

# आकांक्षा

२०१९-२०२०

॥ ज्ञानमयो भव ॥

प्रोग्रेसिव्ह एज्युकेशन सोसायटीचे

मॉडर्न कला, विज्ञान आणि वाणिज्य महाविद्यालय

गणेशखिंड, पुणे ४११ ०१६



स्थलांतर आणि जीवन



**कै. शंकरराव कानिटकर**  
संस्थापक, प्रोग्रेसिव्ह एज्युकेशन सोसायटी, पुणे ४११००५



‘सेडा’ संस्थेतर्फे महाविद्यालयास प्रदान करण्यात आलेला ‘बेस्ट इनोव्हेटीव कॉलेज अवॉर्ड’ हा पुरस्कार महामहिम राज्यपाल भगतसिंग कोश्यारी यांच्या हस्ते स्वीकारतांना पी.ई.सोसायटीचे कार्याध्यक्ष प्रा. डॉ. गजानन एकबोटे सोबत सौ. जोत्सना एकबोटे



इनोव्हेटीव अँड बेस्ट प्रॅक्टिसेस इन हायर एज्युकेशन या विषयावरील राष्ट्रीय परिषदेच्या उद्घाटन प्रसंगी डॉ. एस. सी. शर्मा (संचालक, नेक), डॉ. भूषण पटवर्धन (उपाध्यक्ष, यु.जी.सी.) डॉ. नितीन करमाळकर (कुलगुरु, सवित्रीबाई फुले पुणे विद्यापीठ), प्रा. डॉ. गजानन एकबोटे (कार्याध्यक्ष, पी.ई. सोसायटी) आणि महाविद्यालयाचे प्राचार्य डॉ. संजय खरात



Progressive Education Society's  
**Modern College of Arts, Science & Commerce**  
Ganeshkhind, Pune - 411 016.

Best College Award from Savitribai Phule Pune University

- Accredited by NAAC with 'A' Grade
  - DST-FIST sponsored College
  - STAR College Scheme sponsored by DBT
- [www.moderncollegegk.org](http://www.moderncollegegk.org)



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गणेशखिंड, पुणे ४११ ०१६

NAAC ACCREDITATION 'A'

# आकांक्षा

२०१९-२०२०

## स्थलांतर आणि जीवन

### सल्लागार समिती

प्रा. डॉ. गजानन र. एकबोटे

प्रा. डॉ. प्रकाश दीक्षित

प्रा. सुरेश तोडकर

### संपादक समिती

प्राचार्य डॉ. संजय खरात

प्रा. डॉ. संस्कृती आवलगावकर (संपादक)

प्रा. डॉ. सविता सबनीस

प्रा. डॉ. शुभांगी भातंब्रेकर

प्रा. मंजूषा कुलकर्णी

प्रा. मीनल जबडे

प्रा. रेवती नगरकर

प्रा. डॉ. दिपन्निता भांजा

प्रा. मृणाल परदेशी

प्रा. डॉ. अश्विनी कुलकर्णी

### विद्यार्थी प्रतिनिधी

सौरभ कदम, जान्हवी वैद्य, चैतन्य देशमुख (मुखपृष्ठ छायाचित्र)

### मुखपृष्ठ, मांडणी, सजावट व मुद्रणस्थळ

डी टू डी मिडिया, अलोक नगरी, कसबा पेठ, पुणे

## COLLEGE DEVELOPMENT COMMITTEE

Prof. Dr. G. R. Ekbote	Chairman, P. E. Society, Pune-5
Prof. Shamkant Deshmukh	Secretary, P. E. Society, Pune-5
Prof. S. V. Todkar	Chairman, L. M. C.
Prof. Dr. P. G. Dixit	Visitor
Shri. C. C. Kamble	Member
Dr. Sanjay S. Kharat	Secretary
Prof. Mrs. J. G. Ekbote	Member
Adv. C. G. Ghate	Member
Adv. Manoj Wadekar	Member
Dr. Deepak Shendkar	Teacher Representative
Dr. Sangeeta Dhamdhere	Teacher Representative
Prof. Namdev Doke	Teacher Representative
Sri. Prakash Renuse	Non-Teaching Representative

### नियतकालिकाच्या स्वामित्वाबाबत व अन्य तपशिलाबाबत निवेदन

प्रकाशन स्थळ	: मॉडर्न कला, विज्ञान आणि वाणिज्य महाविद्यालय, गणेशखिंड, पुणे ४११०१६
प्रकाशन काळ	: वार्षिक
मुद्रकाचे नाव	: डी टु डी मिडिया, कसबा पेठ, पुणे
राष्ट्रीयत्व	: भारतीय
प्रकाशकाचे नाव	: प्राचार्य डॉ. संजय खरात
राष्ट्रीयत्व	: भारतीय
पत्ता	: मॉडर्न कला, विज्ञान आणि वाणिज्य महाविद्यालय, गणेशखिंड, पुणे ४११०१६
संपादकाचे नाव	: प्राचार्य डॉ. संजय खरात
राष्ट्रीयत्व	: भारतीय
पत्ता	: मॉडर्न कला, विज्ञान आणि वाणिज्य महाविद्यालय, गणेशखिंड, पुणे ४११०१६
मालकी	: मॉडर्न कला, विज्ञान आणि वाणिज्य महाविद्यालय, गणेशखिंड, पुणे ४११०१६

मी, प्राचार्य डॉ. संजय खरात जाहीर करतो की, वर दिलेली माहिती माझ्या समजुतीप्रमाणे बरोबर आहे.

- प्राचार्य डॉ. संजय खरात, प्रकाशक

या अंकात प्रकाशित केलेल्या लेखन साहित्याशी संपादक, प्रकाशक सहमत असतीलच असे नाही. हा अंक फक्त खाजगी वितरणासाठी आहे.



Progressive Education Society's  
**Modern College of Arts, Science & Commerce**

Ganeshkhind, Pune411016. Tel.: (020) 2563 4021,2563 1091, Fax : 2565 0931

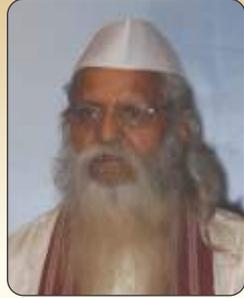
Progressive Education Society's Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-411 016 was established in 1992 in the vicinity of Pune University, with the objective of imparting quality education to the students. It is affiliated to the University of Pune and offers various Graduate and Post Graduate courses. In a short span, the College has made a mark of its own in academic as well as extra curricular activities.

The College has been successful in keeping pace with the changing educational scenario, there by introducing new career oriented courses every year. It has firmly established itself as 'Modern' and 'Progressive'. The college has highly qualified and experienced teaching staff, who consistently strive for allround development .of the students. In academic year 2016-1017, NAAC has reaccredited Modern College, Ganeshkhind with 'A Grade. The college has received Best College Award by Pune University for the year 2012-13. The college is now identified as DST-FIST sponsored college by DST. The College has been included in DBT-STAR College Scheme sponsored by DBT, Govt. of India.

### SALIENT FEATURES

- Prime Location (very close to University of Pune & Chaturshrungi Hills).
- Affiliated to the University of Pune.
- Reaccredited by NAAC with 'A Grade.
- Well qualified and experienced faculty.
- Healthy academic environment.
- Well equipped laboratories with internet connectivity.
- E-teaching and e-learning methodology.
- Well stocked Library with digital library facility and internet.
- Gymnasium for staff and students.
- Placement Cell.
- Well equipped administrative office for convenience of students.
- Spacious and well equipped audio-visual hall.
- Wind Solar Environmental Project to generate 13 KV electricity
- Beautiful green campus with well developed Botanical Garden.
- Canteen facility.
- Spacious parking, playground and Indoor games.
- Adequate sports facilities.
- Encouragement students to participate in cultural activities, discussions, in-house interactions, industrial visits, training and presentations.
- High Tech computer laboratory with latest computers, latest hardware and software.
- Special focus on Industry-Institute Interface.
- College Magazine 'Akanksha', a platform for students to express their innovativeness and creativity.
- Conducts state/national level seminars/ workshop & conferences.

# The Master Navigators of Progressive Education Society



**Shri. Vighnahari Maharaj Deo**  
President, P. E. Society, Pune



**Prof. Dr. Gajanan R. Ekbote**  
Chairman, Business Council, P. E. Society, Pune



**Prof. S. S. Deshmukh**  
Secretary, P. E. Society, Pune



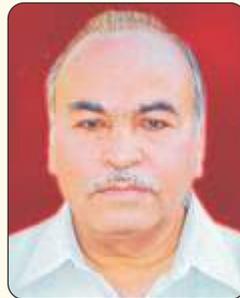
**Prof. Mrs. J.G Ekbote**  
Jt. Secretary, P. E. Society, Pune



**Prof. S. V. Todkar**  
Jt. Secretary, P.E Society, Pune



**Prof. Dr. P. G. Dixit**  
Dy. Secretary, P.E. Society, Pune



**Shri S. D. Inamdar**  
Dy. Secretary, P.E. Society, Pune



**Shri C.C. Kamble**  
Dy. Secretary, P.E. Society, Pune



**Prof. Dr. Nivedita G. Ekbote**  
Dy. Secretary P. E. Society, Pune

# Congratulations



## **Prof Dr. Gajanan Ekbote**

Hon'ble Prof. Dr. Gajanan Ekbote conferred 'Life Time Achievement Award' for his noteworthy and extraordinary contribution in the field of Health Care and Medical Science by Navbharat Group at the hands of Hon'ble Ms. Varsha Gaikwad, Education Minister, Maharashtra state.



## **Prof. Jostna Ekbote**

Received 'Best Teacher Award' By Pune Muncipal Corporation, Pune



## **Dr. Nivedita Ekbote**

Selected as the president of Bhartiya Janata Party Yuvati Aghadi

# Congratulations



**Dr. Jyoti Gagangras**

Received 'Best Teacher Award' By Marathi Samajshastra Parishad 2019-20



**Dr. Sangita Dhamdhare**

ILDC AMP Women Excellence  
Award- 2020, India



**Dr. Mrunalini Bhadane**

Awarded Ph.D in Electronics  
[SPPU]



**Dr Dipali Meher**

Awarded Ph.D in Computer Science  
[Bharati Vidyapeeth]



**Ashwini Pawar**  
Qualified NET Exam  
(Computer Science)



**Dr. Shweta Sawale**  
Awarded Ph.D in History,  
Tilak Maharashtra Vidyapeeth



**Dr. Ashwini Alegaonkar**  
Awarded Ph.D in Chemistry  
[SPPU]



**Dr. Shilly John**  
Awarded Ph.D in Economics  
[SPPU]



**Dr. Snehal Gagare**  
Awarded Ph.D in Biotechnology  
[Mumbai University]

# Congratulations



'बेस्ट इनोव्हेटीव कॉलेज' हा 'सेडा' या संस्थेतर्फे प्रदान करण्यात आलेला पुरस्कार स्वीकारल्या नंतर आनंद व्यक्त करतांना महाविद्यालयाचे प्राध्यापक, संस्थेचे मान्यवर अधिकारी सोबत पी. इ. सोसायटीचे कार्याध्यक्ष प्रा. डॉ. गजानन र. एकबोटे



वसुंधरा किलोस्कर इंटरनॅशनल फिल्म फेस्टीवल २०२० "ग्रीन कॉलेज क्लिन कॉलेज ट्रॉफी"

*Congratulations*

## PRIDE OF MODERN



Archana Adhav (Athletics) Receiving Shiv Chhatrapati Award from Hon. CM Shri Uddhav Thakare



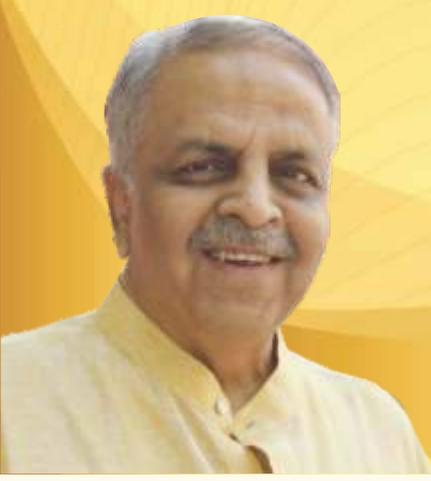
Akash Chikate (Hockey) is receiving Shiv Chatrapati Award from Hon. CM Shri Uddhav Thakare



**HEMANT RUGHNOONATH**  
Selected for The Erasmus Mundus in Social Work with Families and Children, class of 2019 – 2021 Masters Course



**SHANTANU KULKARNI**  
Selected for the MSc in Sport and Exercise Psychology, Staffordshire University, UK



## मनोगत

प्रा. डॉ. गजानन र. एकबोटे  
कार्याध्यक्ष, पी. ई. सोसायटी, पुणे

उच्च शिक्षणाच्या क्षेत्रात सातत्याने गुणवत्तापूर्ण कामगिरीला नेहमीच महत्व असते. या कामगिरीमुळे महाविद्यालयीन प्रगतीचा आलेख उंचावत असतो. सद्यस्थितीचा विचार केला तर आपल्याला मुक्त, नाविन्यपूर्ण व बहुविद्याशाखीय उच्च शिक्षणप्रणाली आत्मसात करण्याची गरज आहे. या प्रणालीमुळे आपल्या प्रगतीची दारं उघडणार आहेत. या संदर्भात डॉ. के. कस्तुरीरंगन यांच्या अध्यक्षतेखाली स्थापन झालेल्या समितीने अनेक महत्वाच्या शिफारशी केल्या आहेत. निश्चितच या शिफारसी उच्चशिक्षणाच्या सर्वांगीण विकासासाठी उपयुक्त ठरणार आहेत. आगामी काळात या बदलांना सामोरे जाणे हे ध्येय प्रत्येक शैक्षणिक संस्थेचे असले पाहिजे असे मला वाटते. मॉडर्न महाविद्यालय, गणेशखिंड या आमच्या महाविद्यालयात देखील काळाची पावलं ओळखून उत्तम शैक्षणिक उपक्रम राबविले गेलेत. राष्ट्रीय मूल्यांकन आणि अधिस्विकृती परिषद (NAAC), सावित्रीबाई फुले पुणे विद्यापीठ, सेडा, आयक्यूएसी क्लस्टर व मॉडर्न कला, विज्ञान आणि वाणिज्य महाविद्यालया तर्फे 'इनोव्हेटिव्ह अँड बेस्ट प्रॅक्टिस इन हायर एज्युकेशन' या विषयावरील राष्ट्रीय परिषदेचे आयोजन करण्यात आले होते. ही परिषद अत्यंत यशस्वी झाली. महात्मा गांधीजींच्या दिडशेव्या जयंतीच्या निमित्ताने समाजशास्त्र विभागातर्फे 'रिव्हिजिटिंग गांधी' याविषयावर आधारित चर्चा सत्राचे आयोजन केले होते. या चर्चा सत्राच्या माध्यमातून महात्मा गांधीजींच्या अपूर्व योगदानावर भाष्य करण्यात आले. याचबरोबर इतर विभागांनी ही विविध विषयांवरील परिषदांचे आयोजन केले होते, या सर्वांचे मनापासून अभिनंदन !

सेन्टर फॉर एकजुक्शन डेव्हलपमेंट अँड अँडमिनिस्ट्रेशन (सेडा) तर्फे दिला जाणारा 'बेस्ट इनोव्हेटिव्ह कॉलेज' हा पुरस्कार या गणेशखिंडीतील मॉडर्न महाविद्यालयास मिळाला' ही आम्हा सर्वांसाठीच खूप अभिमानाची व आनंदाची बाब आहे. प्राचार्य डॉ.

संजय खरात व महाविद्यालयाचे सर्व प्राध्यापक आणि प्रशासकीय अधिकारी यांचे मनःपूर्वक अभिनंदन! वर्षभर अनेक प्राध्यापक व विद्यार्थी यांनी चौफेर कामगिरी केली असते, पुरस्कार मिळवलेले असतात. त्या सगळ्यांचेही अभिनंदन! उपक्रमशीलता हे या महाविद्यालयाचे महत्वाचे वैशिष्ट्य म्हणावे लागेल. विद्यार्थ्यांच्या व्यक्तिमत्वाला पैलू पडणारे विविध उपक्रम इथे घेतले जातात, विद्यार्थीही मोठ्या उत्साहाने या सर्व उपक्रमात सहभागी होतात. त्यामुळेच असे यश मिळू शकते. सर्व विद्यार्थ्यांचेही मनापासून कौतुक करतो.

'आकांक्षा' हे महाविद्यालयीन नियतकालिक प्रसिद्ध होत आहे. दरवर्षी प्रमाणे नवा विषय घेऊन हा अंक प्रकाशित होत असतो. 'स्थलांतर' हा मानवी जीवनाला, निसर्गाला कवेत घेणारा महत्वाचा विषय अंकातून हाताळला गेला आहे ही अभिनंदनीय बाब आहे. सावित्रीबाई फुले विद्यापीठाचा उत्कृष्ट नियतकालिकाचा सतत पाच वर्षे झाले मिळतो आहे, ही घटना विद्यार्थ्यांच्या प्रतिभेची साक्ष देणारीच आहे. सर्व संपादक मंडळ आणि या नियतकालिकांच्या संपादक डॉ. संस्कृती आवलगावकर यांचे अभिनंदन व खूप शुभेच्छा!

महाविद्यालयाच्या प्रगतीसाठी अविरत झटणारे पी. ई. सोसाटीचे सर्वमान्यवर अधिकारी, महाविद्यालयाचे व्हिजिटर डॉ. प्रकाश दीक्षित, स्थानिक व्यवस्थानिक समितीचे अध्यक्ष प्रा. सुरेश तोडकर, महाविद्यालयाचे प्राचार्य डॉ. संजय खरात या सर्वांना आगामी शैक्षणिक आव्हानांना सामोरे जाण्यासाठी खूप शुभेच्छा! सातत्याने होणाऱ्या प्रवेश प्रक्रियेतील व परीक्षांतील बदलांना सक्षमपणे तोंड देणाऱ्या प्रशासकीय अधिकारी व कर्मचाऱ्यांचे ही मी अभिनंदन करतो. पालकांनी आमच्या वर टाकलेल्या विश्वासामुळेच आमची वाटचाल योग्य दिशेने होत आहे. या साऱ्यानाच माझ्या शुभेच्छा! धन्यवाद!



## मनोगत

**प्रा. सुरेश तोडकर**

चेअरमन, एलएमसी, मॉडर्न महाविद्यालय,  
गणेशखिंड, पुणे

Modern College of Arts, Science and Commerce, Ganeshkhind, Pune - 411016 is one of the premiere Institutes / Colleges run by Progressive Education Society Pune. The college provides all the necessary infrastructure, excellent academic and administrative facilities and environment to impart quality education to the students.

The foundation of every nation is the 'quality education to its youth'. The aim of education should not be only to impart information to the students and to make them 'specialists' or 'degree holder's but it should be character building, nation building, and man-making who can humanize our life by integrating emotional demands with our new Knowledge. The education should train the minds of our students to think what is good and what is bad. The education should be "Progressive" and "Modem" and should inculcate spiritual and moral values among the students and should produce good human beings.

Never think that you are NOTHING and don't think that you are EVERYTHING. But think that you are achieved SOMETHING, who can do and achieve ANYTHING to get SUCCESS in LIFE.

SUCCESS in LIFE depends mainly on two important things :

- I) Vision - seeing the invisible.
- II) Mission - Doing the impossible.

Also "4T" formula is very important - Talent. Technology Teamwork and Trust.

In today's global competitive era, quality and excellence play a vital role to impart quality education to our students. To achieve excellence and innovation in education the role of a teacher is very important.

A teacher should not only impart the knowledge to students but should also mould the personality of

student's strengthen the convictions of students, should teach patience, love acceptance and the responsibility towards the family, society and nation.

A teacher also recognizes the inborn talents, valuable qualities of the students such as - spontaneity, originality, creativity, independent thinking, sincerity, values of time etc.

According to Swami Vivekanand-

An average teacher Instructs,

A good teacher guides and A great teacher Inspires.

Hence a teacher should be a source of inspiration and enlightenment to the students. A teacher should not think of oneself as an employee a paid professional, a hired servant, but a teacher should to a 'Guru', a nation-builder, a character builder and an instrument of "man-making education". Our yearly magazine "AKANKSHA" has always given us an insight into the young, creative and questioning minds of our staff and students, which gives the platform for their innovative, creative observation and expressions. The magazine has always highlighted the awareness among the staff and students. SPPU acknowledged the work of Akanksha by awarding II<sup>nd</sup> Prize for the year 17-18. My best wishes to the editorial team for making the magazine a good one.

My sincere thanks to Dr. G. R. Ekbote, Chairman Business Council, PE Society, Prof. P. G. Dixit, visitor, Modern College, Pune - 411 016. and all LMC members and Dr. Sanjay Kharat, Principal of our College, Mr. Prakash Renuse non-teaching staff for their valuable guidance, constant support, motivation and operation in the development and growth of our College.

Thanks a lot and best wishes to all.



# मनोगत

डॉ. प्रकाश दीक्षित

व्हिजिटर ,मॉडर्न महाविद्यालय, गणेशखिंड,पुणे.

२०१९-२० हे शैक्षणिक वर्ष अनेक दृष्टीने आनंददायी ठरले. मॉडर्न कला, विज्ञान आणि वाणिज्य महाविद्यालय, गणेशखिंड हे आमचे महाविद्यालय दरवर्षी ध्येयपूर्तीकडे एक एक पाऊल टाकत वाटचाल करत आहे. समाजातील सर्वच थरातील विद्यार्थ्यांना आमच्या महाविद्यालयात गुणवत्तापूर्ण शिक्षण मिळावे यासाठी आम्ही प्रयत्नशील असतो. त्यादृष्टीने विविध उपक्रम आम्ही राबवत असतो. जेव्हा आमच्या या प्रयत्नांची दखल शैक्षणिक क्षेत्रात कार्यरत असणारी सेडा सारखी संस्था घेते त्यावेळेस आम्ही निश्चितच योग्य दिशेने चाललो आहोत याची खात्री'. सेंटर फॉर एज्युकेशनल डेव्हलपमेंट अँडमिनिस्ट्रेशन [CEDA]' या नामांकित संस्थेतर्फे बेस्ट इनोव्हेटिव्ह कॉलेज अवॉर्ड' हा पुरस्कार आम्हाला महाराष्ट्र राज्याचे महामहिम राज्यपाल मा. भगतसिंह कोश्यारी यांच्या हस्ते प्रदान करण्यात आला. हा क्षण महाविद्यालयासाठी अतिशय आनंदाचा आहे. या निमित्ताने सेडाच्या सर्व अधिकाऱ्यांच्या प्रती कृतज्ञता व्यक्त करतो. तसेच किलोस्कर वसुंधरा पुरस्कारही या वर्षी महाविद्यालयास प्राप्त झाला. पर्यावरण संवर्धनासाठी महाविद्यालयाने केलेले कार्याचेच हे फळ आहे. असे म्हणता येईल. पर्यावरण रक्षणाचा व संवर्धनाचा वसा आम्ही नेटाने असाच पुढे नेऊ याची खात्री आहे, या दोन्ही पुरस्काराने नक्कीच आमचे मनोबल वाढले आहे. या पुरस्काराचे श्रेय अर्थातच सगळ्यांचे आहे . प्रोग्रेसिव्ह एज्युकेशन संस्थेचे कार्याध्यक्ष प्रा. डॉ. गजानन एकबोटे ,महाविद्यालयाचे प्राचार्य डॉ.संजय खरात, सर्व शिक्षक, प्रशासकीय कर्मचारी, विद्यार्थी व पालक यांचे या प्रसंगी अभिनंदन करतो .

प्रोग्रेसिव्ह एज्युकेशन सोसायटीचे कार्याध्यक्ष प्रा. डॉ. गजानन एकबोटे यांना 'हेल्थ केअर अँड मेडिकल सायन्स -नवभारत ग्रुप' याच्या तर्फे 'लाईफ टाइम अचिव्हमेंट अवॉर्ड' प्रदान करण्यात आला. अनेक वर्ष वैद्यकीय सेवेत झोकून देऊन काम करणाऱ्या डॉ. एकबोटेसरांचे या निमित्ताने मनापासून अभिनंदन करतो. तसेच प्रा. जोत्सना एकबोटे यांना देखील पुणे महानगरपालिके तर्फे 'आदर्श शिक्षक हा पुरस्कार देऊन गौरवीत करण्यात आले. त्यांचेही

मनःपूर्वक अभिनंदन !

या वर्षी महाविद्यालयातर्फे खूप वेगवेगळ्या विषयांवर चर्चसत्र आणि परिषदांचे आयोजन करण्यात आले होते. अशा परिषदांमध्ये नवविचारांचे आदानप्रदान होते, अनेक मान्यवर अभ्यासक महाविद्यालयात येतात. महाविद्यालयाच्या कक्षा या निमित्ताने विस्तारतात. राष्ट्रीय मूल्यांकन आणि अधिस्विकृती परिषद (NAAC), सावित्रीबाई फुले पुणे विद्यापीठ, सेडा, आय क्यू एसी क्लस्टर व मॉडर्न कला, विज्ञान आणि वाणिज्य महाविद्यालयातर्फे ' इनोव्हेटिव्ह अँड बेस्ट प्रॅक्टिसेस इन हायर एज्युकेशन' या विषयवरील राष्ट्रीय परिषद महाविद्यालयातर्फे घेण्यात आली.ती अत्यंत यशस्वीपणे पार पडली. शिक्षण क्षेत्रातील बहुसंख्य मान्यवरांची उपस्थिती हे या परिषदेचे महत्वाचे वैशिष्ट्य ठरावे. असे मोठाले उपक्रम राबविणे सोपे नसते, यासाठी सर्वांचे सहकार्य महत्वाचे असते, मॉडर्न महाविद्यालयाची टीम यासाठी नेहमीच तत्पर असते, या सर्व टीमचे हार्दिक अभिनंदन !

'आकांक्षा' या महाविद्यालयीन नियतकालिकांचा अंक या कोरोना काळात अनेक अडचणींवर मात करून प्रकाशित होत आहे. 'स्थलांतर आणि जीवन' या विषयावर तो आधारित आहे. नेहमी प्रमाणेच विद्यार्थ्यांची व संपादक मंडळाची प्रयोगशीलता या अंकात दिसून येते. खरतर वर्षभर केलेल्या मेहनतीनेच हा अंक आकाराला येत असतो. या अथक मेहनतीमुळेच सातत्याने या नियतकालिकाला सावित्रीबाई फुले पुणे विद्यापीठाचा पुरस्कार मिळत आहे. याही वर्षी हा पुरस्कार आम्हाला मिळाला, ही अभिनंदनीय बाब आहे. सर्व विद्यार्थ्यांना व संपादक मंडळाला हार्दिक शुभेच्छा !

महाविद्यालयाच्या यशस्वी वाटचालीत डॉ. एकबोटे सर, प्रा. श्यामकांत देशमुख, प्रा. सुरेश तोडकर, प्राचार्य डॉ. संजय खरात यांचे योगदान महत्वाचे आहे. त्या सर्वांना मनापासून धन्यवाद!



**प्राचार्य डॉ. संजय खरात**

मॉडर्न कला ,विज्ञान आणि वाणिज्य महाविद्यालय  
गणेशखिंड,पुणे १६

१९-२० या शैक्षणिक वर्षातील 'आकांक्षा' या महाविद्यालयीन नियतकालिकाचा अंक लवकरच प्रसिद्ध होत आहे. या वर्षी हा अंक 'स्थलांतर' याविषयाशी निगडित आहे. मानवी जीवनात स्थलांतर हे अपरिहार्य असते. कधी परिस्थिती मुळे तर कधी प्रगतीसाठी मानव स्थानांतर करीत असतो. निसर्गातील मानवेतर घटक देखील जगण्यासाठी आपल्या जागा बदलत असतात. पक्षी तर कोसो मैलदूर भटकंती करून आपले अन्न मिळवत असतात. यंदा विद्यार्थ्यांनी आकांक्षा या नियतकालिकातून जीवनाशी संबंधित असलेल्या विषयावर प्रकाश टाकला आहे, हे निश्चितच कौतुकास्पद आहे. या अंकाच्या संपादक डॉ. संस्कृती आवलगावकर , संपादक मंडळ आणि या अंकात लेखन करणाऱ्या सर्व विद्यार्थ्यांचे प्रथमतःच अभिनंदन करतो.

नाविन्याचा आणि उत्कृष्टतेचा ध्यास घेऊनच महाविद्यालयातील प्रत्येक घटक काम करीत असतो. त्याचे खूप चांगले पडसाद वर्षभरातील विविध उपक्रमातून जाणवत असतात. नवीन संकल्पना साकार करण्यासाठी अथक प्रयत्न करणे हे तर आमच्या महाविद्यालयाचे वैशिष्ट्य आहे. प्राध्यापक व विद्यार्थी यांना महाविद्यालयातर्फे संशोधनासाठी नेहमीच प्रोत्साहित करण्यात येते. नामवंत संशोधन संस्थांमध्ये आमचे माजी विद्यार्थी संशोधनात सक्रिय योगदान देत आहे हे या प्रोत्साहनाचेच फलित आहे असे मला वाटते. आमच्या काही विद्यार्थ्यांनी परदेशी विद्यापीठातून पी.एच.डी केली असून भारताबाहेर आपला मॉडर्न ठसा उमटविला आहे याचा आम्हाला सार्थ अभिमान आहे.

राष्ट्रीय मूल्यांकन आणि अधिस्विकृती परिषद (NAAC), सावित्रीबाई फुले पुणे विद्यापीठ, सेडा, आय क्यू एसी क्लस्टर व मॉडर्न कला, विज्ञान आणि वाणिज्य महाविद्यालयातर्फे 'इनोव्हेटीव्ह अँड बेस्ट प्रॅक्टिस इन हायर एज्युकेशन' या विषयवरील राष्ट्रीय परिषदेचे आयोजन करण्यात आले होते. या परिषदेसाठी उच्च

शिक्षणाच्या क्षेत्रात कार्यरत असणाऱ्या विविध उच्च पदस्थ व्यक्ती एकाच व्यासपीठावर उच्चशिक्षणातील अनेक मुद्यांवर विचार मंथनासाठी उपस्थित होत्या. त्याशिवाय ६५० सहभागी या परिषदेसाठी हजर होते त्यात आय क्यू ए सी सदस्य, विविध महाविद्यालयाचे प्राचार्यही समाविष्ट होते. या परिषदेतील विचारमंथन समाजापर्यंत पोहचविण्याचे काम माध्यमांनीही उत्कृष्टपणे केले. महाविद्यालयातील अन्य विभागातही राष्ट्रीय - आंतरराष्ट्रीय परिषदांचे आयोजन केले होते, या परिषदांनाही भरघोस प्रतिसाद मिळाला.या परिषदा यशस्वी होण्यासाठी महाविद्यालयाच्या सर्व घटकांनी प्रयत्नांची पराकाष्ठा केली ,या सर्वांचे हादिक अभिनंदन !

या वर्षी अजून एक मानाचा तुरा महाविद्यालयाच्या शिरपेचात खोवला गेला'. सेंटर फॉर एज्युकेशनल डेव्हलपमेंट अँडमिनिस्ट्रेशन' या शिक्षण क्षेत्रातील नामांकित संस्थेतर्फे बेस्ट इनोव्हेटिव्ह कॉलेज अवॉर्ड' प्रदान करण्यात आला. हा पुरस्कार महाराष्ट्र राज्याचे महामहिम राज्यपाल मा. भगतसिंह कोश्यारी यांच्या हस्ते स्वीकारण्याची संधी आम्हाला मिळाली ,ही महाविद्यालयासाठी अत्यंत गौरवाची घटना आहे. महाविद्यालयात राबविल्या जाणाऱ्या विविध उपक्रमांची व शैक्षणिक कामगिरीची दाखल घेतल्यानेच हा पुरस्कार आम्हाला लाभला आहे. या यशामुळे आगामी काळात आमची जबाबदारी अधिकच वाढली आहे ही जाणीव ठेऊन कृतज्ञ भावनेने हा पुरस्कार आम्ही स्वीकारत आहोत. या निमित्ताने सेडाच्या सर्व अधिकाऱ्यांचे आभार मानतो. तसेच किलॉस्कर वसुंधरा पुरस्कारानेही महाविद्यालयाला सन्मानित करण्यात आले, ग्रीन आर्मी पुरस्कार महाराष्ट्र शासनाच्या वन विभागाच्या वतीने देण्यात आला. सातत्याने पर्यावरणपूरक व शाश्वत विकासाच्या दृष्टिकोनातून राबविलेल्या उपक्रमांमुळेच हे यश आम्हाला प्राप्त झाले. वृक्षारोपण, नदी स्वच्छता मोहीम याच बरोबर

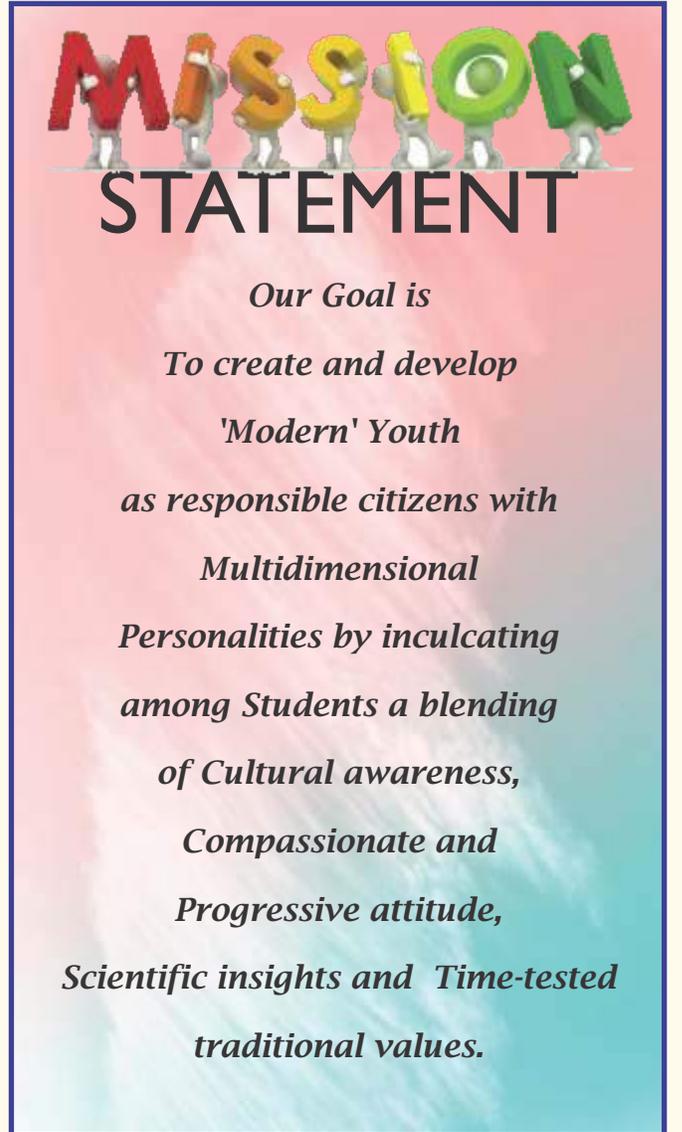
पर्यावरण जागृती करणाऱ्या स्वयंसेवी संस्थांच्या सोबतीने केलेली रामनदीची बाईक परिक्रमा, हे सारेच उपक्रम विद्यार्थ्यांवर पर्यावरण जागृतीचे संस्कार करणारेच आहेत.

विज्ञान आणि तंत्रज्ञानाच्या क्षेत्राही महाविद्यालय अग्रेसर आहे. बायोटेक्नोलॉजी विभाग व भारत सरकार यांच्या संयुक्त विद्यमाने एकदिवसीय विज्ञान यात्रेचे (Science Fair) आयोजन महाविद्यालयात करण्यात आले होते. विविध शाळांतील ३०० विद्यार्थ्यांनी या उपक्रमात आपले प्रकल्प सादर केले तसेच जवळजवळ १००० शिक्षक व विद्यार्थ्यांनी या विज्ञान यात्रेला भेट दिली. त्याच बरोबर याच विभागाने आयोजित केलेल्या ऑनलाईन पोस्टर कॉम्पिटिशनलाही उत्स्फूर्त प्रतिसाद मिळाला . या शैक्षणिक वर्षात संगणक विभागाचाही समावेश 'स्टार कॉलेज स्कीम' [DBT] अंतर्गत करण्यात आला ही आनंदाची बाब आहे.

तंत्रज्ञानाचा वापर उच्च शिक्षणात वाढला पाहिजे हे लक्षात घेऊन प्रयत्नपूर्वक या संदर्भातील प्रशिक्षण देण्याचे नियोजन करण्यात आले. बाहेरील तज्ञ शिक्षक व या क्षेत्रात काम करणाऱ्या संस्थे तर्फे प्रशिक्षणाचे –(LMS) आयोजन केले गेले नंतर महाविद्यालयाच्या मार्फत अंतर्गत प्रशिक्षण दिले गेले. एकूणच अध्यापन, अध्ययन आणि मूल्यमापन प्रक्रियेत संगणकाचा व इंटरनेटचा वापर झाला पाहिजे या दृष्टिकोनातून दिलेले हे प्रशिक्षण अत्यंत महत्वाचे ठरले, कारण आमचे सर्व शिक्षक या नव्या युगातील तंत्रज्ञानाला सामोरे जाण्यासाठी व सद्य स्थितीतील ऑनलाईन शिक्षण प्रक्रियेला आत्मविश्वासाने तोंड देण्यासाठी सज्ज झाले आहेत. विद्यार्थी, पालक व शिक्षक यांचा उत्तम सहसंबंधामुळे महाविद्यालयात विश्वासाचे व सकारात्मक वातावरण निर्माण होते. महाविद्यालयात परदेशातून, जम्मू-काश्मीर व ईशान्य भारतातून विद्यार्थी येत असतात, त्यांच्यासाठी व इतर विद्यार्थ्यांसाठीही आम्ही मेंटॉर नियुक्त केलेले असतात. यामुळे पालक, विद्यार्थी व शिक्षक जोडले जातात. या मेंटॉरमुळे विद्यार्थ्यांच्या अडीअडचणी तर सोडवल्या तर जातातच पण विश्वास वृद्धिंगत झाल्याने विद्यार्थ्यांच्या सर्वांगीण विकासासाठी चांगली पार्श्वभूमी निर्माण होते. विद्यार्थ्यांच्या प्रगतीसाठी चांगल्या ठिकाणी नोकरीच्या संधी उपलब्ध होणेही गरजेचे असते, यावर्षी आमच्या महाविद्यालयातील अनेक विद्यार्थ्यांना प्लेसमेंट सेल द्वारे चांगल्या कंपन्यांमध्ये नोकरी मिळाली. त्यांच्या उज्वल भविष्यासाठी व महाविद्यालयासाठी ही आनंदाची गोष्ट आहे.

महाविद्यालयाचा वाढता व्याप व विस्तार सांभाळण्याची क्षमता शिक्षक व प्रशासकीय कर्मचारी यांच्या ठायी असतेच. महाविद्यालयाच्या यशातील त्यांचा वाट अनन्यसाधारण असतो.

आपापल्या क्षेत्रात ते नेहमीच लक्षणीय कामगिरी करत असतात, या वर्षीही शिक्षक व प्रशासकीय कर्मचारी यांना विविध क्षेत्रातील पुरस्कार मिळाले तसेच आपल्या कौशल्यवद्धीसाठी त्यांनी निरनिराळे अभ्यासक्रमही पूर्ण केले. याचा फायदा विद्यार्थ्यांच्या व महाविद्यालयाच्या गुणवत्तावाढीसाठी निश्चितच होईल असा विश्वास व्यक्त करतो. या सर्वांचे मनापासून अभिनंदन ! उच्चशिक्षणाच्या क्षेत्रात सातत्याने महाविद्यालयास मिळणाऱ्या यशात संस्थेचे कार्याध्यक्ष डॉ. गजानन एकबोटेंसरांचे दिशादर्शन खूपच मोलाचे आहे तसेच संस्थेचे अन्य पदाधिकारी प्रा. श्यामकांत देशमुख, प्रा. जोत्सना एकबोटे, डॉ. प्रकाश दीक्षित, प्रा सुरेश तोडकर यांचीही सहकार्य महत्वाचे आहे . या सर्वांचे मनःपूर्वक आभार मानतो. महाविद्यालयाशी संबंधित सर्व घटकाचे सहकार्य आगामी काळात होईल अशी अपेक्षा व्यक्त करतो . धन्यवाद!



**MISSION STATEMENT**

*Our Goal is*

*To create and develop*

*'Modern' Youth*

*as responsible citizens with*

*Multidimensional*

*Personalities by inculcating*

*among Students a blending*

*of Cultural awareness,*

*Compassionate and*

*Progressive attitude,*

*Scientific insights and Time-tested*

*traditional values.*



## संपादकीय

डॉ. संस्कृती आवलगावकर

संपादक

२०१९-२० हे शैक्षणिक वर्ष सुक झाले अन् झपाट्याने संपतही आले. अनेक भ्रमगच्च उपक्रमांनी हे वर्ष भरलेले आणि भावलेले होते. 'विविधा' चे रंगीबिरंगी कॅटॉल्स, उत्साहाने वावरत असलेले आजी-माजी विद्यार्थी, युवासंघाहातील काव्यवाचनात रमलेली तरुणाई, सुंदर रांगोळ्यांनी नटलेले महाविद्यालयाचे प्रांगण, आकर्षक अक्षया पोस्टर्सच्या माध्यमातून आपले विचार अभिव्यक्त करणारा युवा वर्ग..... एकंदरीतच सगळा आनंद सोहळा... महाविद्यालयीन वातावरण असेच उत्साहाने सळसळणारे असते. या तरुणाईला जवळून न्याहळतांना त्यांच्या अनेक बाजू लक्ष वेधून घेतात. राष्ट्रीय स्तरात योजनेत झपाटून कार्य करणारी, गडकिल्यांवर भ्रमती करणारी, वक्तृत्व स्पर्धेत बाजी मारणारी, मानाचा शिवछत्रपती प्रस्कार पटकवणारी तर कधी संशोधनात रमणारी या तरुणाईची ही विविध रूपे नेहमीच विलोभनीय वाटतात. बदलं तर महाविद्यालयातील प्रत्येक विद्यार्थ्यांमध्ये काही तरी कला-गुण दडलेले असतात. या कला-गुणांना वाव देण्याचा प्रयत्न आम्ही करतच असतो. 'आकांक्षा' हे देखील असेच माध्यम त्यांना लिहते करण्याचे.... विद्यार्थ्यांच्या मधील विलक्षण लेखन क्षाती ओळखून त्यांना प्रेरणा देणे फारच महत्वाचे असते. २०१९-२० या वर्षात प्रकाशित होणाऱ्या आकांक्षाचा अंक हा 'कथलांतर' या विषयावर आधारित आहे. सतत नवीन विषय घेऊन अंक प्रकाशित करण्याचा आमचा मानस असतो. विद्यार्थ्यांही समरसून विषयाला दाद देतात. 'कथलांतर' म्हणजे बदलतच मानवी जीवनाचा गाभा आहे व मानवी विकासाचा अविभाज्य भाग आहे. प्राचीन काळापासून भटकंती करतच मानव या आधुनिक जीवनापर्यंत आला आहे.

चरैवति-चरैवति, यही तो मंत्र है अपना!

नही ककना, नही थकना, सतत चलना सतत चलना

यही तो मंत्र अपना, शुभंकर मंत्र है अपना!!

या देशभक्तीपर गीताच्या ओळी मला येथे उद्धृत कराव्याशा वाटतात. कारण या अंकातील लेखनाचे स्वरूपही असेच काहीसे आहे. भटक्या जमातीची भ्रमती, त्यांचे जीवनव्यापी प्रश्न, विद्यार्थ्यांचे शिक्षणासाठीचे कथलांतर, नोकरी निमित्त होणारे देशाटन असे लेखन तर आहेतच त्याच बरोबर वैचारिक कथलांतर, सांस्कृतिक कथलांतर, कथलांतराचे सामाजिक, मानसिक व आर्थिक परिणाम यावरही विद्यार्थ्यांनी भाष्य केले आहे. तसेच इतर महत्वाच्या विषयांवरील समर्पक लेखन व आशयघन कवितांमुळे या अंकाचे आशयसौंदर्य वृद्धिंगत झाले आहे. या अंकाची निर्मिती होत असतांना अनेकांची मदत होत असते. सर्व विभागप्रमुख, समिती समन्वयक, सर्व प्राध्यापक वर्ग, प्रशासकीय अधिकारी या सर्वांचे मनापासून आभार व्यक्त करते. महाविद्यालयाचे प्राचार्य डॉ. संजय वरदात व तीनही शाखांच्या उपप्राचार्या यांचे मार्गदर्शन या अंकासाठी लाभले. त्यांचेही मनःपूर्वक आभार मानते. संकथेच्या सर्व मान्यवर अधिका-यांची प्रेरणा आम्हाला नेहमीच उर्जा देते. त्याच्याप्रती मी कृतज्ञता व्यक्त करते शैवटी या अंकाच्या विषयाशी औचित्य साधणा-या ..सतीक्षा देवपूरकर सरांच्या मला भावलेल्या काही ओळी लिहून, थांबते.

पावसांपरी पहा माणसे करू लागली कथलांतरे  
पाठीवरती बिऱ्हाड त्यांच्या, पुन्हा एकदा नवी घरे  
चोचीमध्ये चारा त्यांचा ... भार शिवावर स्वरुपांचा  
डबडबत्या डोळ्यांनी घेती निरोप साऱ्या नात्यांचा  
बालवयाचे, तरुणपणाचे क्षण सोडूनी जातांना.....  
पुन्हा एकदा नवा प्रांत अन नवे शहर ये वाट्याला  
पुन्हा एकदा काडी काडी जुळवत लागे कामाला .....

धन्यवाद!

# अनुक्रमणिका

- \* College Development Committee
- \* The Master Navigators Of Progressive Education Society
- \* Congratulations
- \* Pride of Modern

## मनीगत

- \* प्रा. डॉ. गजानन र. एकबोटे कार्याध्यक्ष, पी. ई. सोसायटी, पुणे
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- \* डॉ. संस्कृती आवलगावकर संपादक
- \* Best Student Award 2019-20 : Saivibhuti Patil A Competition with Myself
- \* संस्था गीत / मॉडर्न गीत

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# Congratulations

*Best Student Award 2019-20 : Saivikhuti Patil*

**A Competition with Myself**



This was the 2nd time I got down in the best student competition under the NCC category. Now i would like to take you 1 year back telling, what happened in my 1st attempt.

As they say **failure is a stepping stone on the way to success**. I was in the final year of my graduation and to be honest, I didn't prepare much for the contest, I was overconfident about myself and I poorly messed up in my final interview and it was very disheartening for me. But accepting it and moving forward is what life teaches us and I did the same.

In few weeks I got totally engrossed in my routine. I passed my final year exams and I landed up in the same college again for my

Master's degree in Psychology.

As the year started I came across the notice of this contest again and I felt that if I am getting chance to make my department, my family and myself proud then I should give it another try. As **Eminem raps : if you have one opportunity to seize everything you ever wanted, in one moment, you must capture it, never let it slip, as this opportunity comes once in a lifetime**, And being an opportunist person is what I have learnt all these days, because if I fail I'll have an experience but if I succeed I'll have what I worked and wished for. And as i already had the experience about the contest it will turn out to be a plus point for me to make sure that i would probably take the title home.

Soon I filled the forms attached the photocopies of my achievements and submitted them. Nobody knew about it that I was into this, as they say **work hard in silence and let your success make noise**, just a friend of mine knew that because I also wanted to keep my pace up with the Master's studies and didn't want to miss them, so my friend helped me with the notes.

So, we were called for the orientation session for the instructions. Best student trophy contest started with the mental ability test for which I had studied. Approximately 12 to 15 candidates reported, representing various departments of our college and then were called for the preliminary formal interview the next day.

Because it was a competition with myself I wanted to prove that I can win. I went home listed out the topics that could be asked in my

interview, with enthusiasm, i studied all about the current affairs and also about the category from which i applied and every minute detail about my hobbies. I analyzed the reasons for my failure last time and worked on it. On the interview day I saw that everyone was dressed well in the best way they can including me and were looking smart. I met with some new faces, talked with them made new friends, talked with my NCC junior's. I felt they all were deserving candidates.

When I was called in the interview hall I was confident but not overconfident because I didn't afford to loose the final chance. I was happy that i didn't made the same mistake again. I entered inside, the panel consisted of 7 interviewers including the coordinator of best student contest and of NCC and NSS.

The preliminary interview revolved around my extra curricular activities, sports and NCC. They questioned me about the present scenario of college, student and teacher relation. It took 10-15 minutes to get my interview over and I was able to convey my thoughts and feelings to them.

I was eagerly waiting for the result and finally I got a message of getting short-listed for the final interview. I wanted to win this competition so i prepared myself again for the final one. And here comes the pivotal moment. On the final interview day I reached late to the interview, as my mom was facing a health problem, we had to take her to the hospital, but hearts of heart she knew that what this competition meant to me and how hard I worked for it, she insisted me to leave for the interview as soon as possible. I reached in the college, met Dr. Shampa Chakravarty maam, she asked me to calm down and called me last in a row for the interview.

Just before getting inside, I controlled my

feelings, settled down myself, but always that peak point comes in when you can nomore control your thoughts and they starts getting heavy on you and you can do nothing but letting them pop up. Just like that, I went inside, greeted the interviewers, I saw just 3 of them, which included a Mr Rajiv Tulpure, our principal Dr. Sanjay Kharat, and Dr. Shampa Chakravarty.

I introduced myself and they all made me comfortable in a while by asking about my NCC achievements, appreciating the medals I was wearing on my blazer and then they asked me various questions which revolved around my personality. Also took a small verbal test and I was so confidently answering them and finally, the Psychologist asked me : “from where do you get so much of motivation to do all these tasks, who is your inspiration?” and immediately, I uttered a word, saying “**MY MOTHER**”. I was still for couple of seconds, everything flashed back.

Yes and the answer is same MY MOTHER. If I get a chance to describe her in one word then form my side it would be “**Wonder-Women**” as she works, handles home, devotes time to me as well, is emotionally strong, a charming one, one who understands my fears and dreams, is loving and caring one and these all are the qualities which she imbibed in me as well. I unknowingly learnt many things from her which helps me to stand still and hold my head high. Also my father played a crucial role in my overall development. Say, If my **Mother is “The Backbone of my family”** then my **Father is “A Soul of my family”**.

The interview got over and after few days I was informed that I won the “**Pride of Modern Contest- 2020**”, my parents were really proud when I informed them.

I took the pleasure to become the 1<sup>st</sup> student to

win this contest from Department of Psychology. Dr Sadhana Natu (HOD, Department of Psychology) and all the teachers have always been a constant support to me.

I thank to the committee of Pride of Modern Contest who gave me the right to lift up the trophy. I feel this trophy took me one step closer to my dream and gave me a chance to compete

with myself. I am glad that my hard work paid off and what my college did for me has been the best gift of my life.

Finally, I just want to say that keep working hard, believe in yourself, never give up because great things take time to happen!

### संस्था गीत

गरुडभरारी वेगाची - विकासाची - समृद्धीची ॥  
ज्ञानात जागृती देशाची, घातली साद उत्थानाची ॥६॥

हे मंदिर स्थापिले शारदेचे, ज्ञानी गुणी शिक्षकांनी  
ज्ञानमयो भव, व्हा प्रोग्रेसिव्ह, मंत्र दिला गुरुवर्यांनी  
कवच हे 'मॉडर्न' शब्दाचे, क्षितिजे ही समृद्धीची  
गरुडभरारी वेगाची - विकासाची - प्रगतीची ॥

डौलात फुलविल्या, विद्याध्यास घेऊनी निर्मितीचा  
गगनी उगवला ज्ञानसूर्य, अन् तिमिर सरे अज्ञानाचा  
संचालक हे सारे शिक्षक, जोड अलौकिक त्यागाची  
गरुडभरारी वेगाची - विकासाची - प्रगतीची ॥

व्यापार ज्ञानदानाचा कोणी इथे कधी केला नाही  
संस्कारांचा विचार कोणी, अन् कधी त्यागला नाही  
विद्यार्थी व्हावा ज्ञानार्थी, कास धरु या वचनाची  
गरुडभरारी वेगाची - विकासाची - प्रगतीची ॥

नवतंत्रज्ञान मिळो सर्वाना, असू दे रंक, असो राव  
नवमंत्राचे भान मनाशी, नाही स्वार्थाचा भाव  
ना मोहाला थारा, ना आसक्ती धनसंपत्तीची  
गरुडभरारी वेगाची - विकासाची - प्रगतीची ॥

निर्मिती

प्रा. डॉ. गजानन र. एकबोटे  
कार्याध्यक्ष, प्रो. ए. सोसायटी, पुणे  
गीतकार : जयंत जोर्वेकर

### मॉडर्न गीत

विद्या वैभव विलसे जेथे नाव त्याचे मॉडर्न ।

उत्तमाचा ध्यास जेथे तेच असे मॉडर्न ।

कानिटकरांच्या स्मृती जागवी प्रोग्रेसिव्ह मॉडर्न ।

अडथळ्यांवर मात करितसे विजिगीषू मॉडर्न ।

स्वरमाधुरीची तान असो वा विविधेचे ते भान ।

संशोधनाची जाण, प्रयत्ने पेटंटस्ची ती खाण ।

मैदानावर, संगणकावर सजवी उंच कमान ।

स्पर्धा, उपक्रम या सर्वांवर गाजवी राज्य मॉडर्न ।

विद्यापीठीय बक्षिसांनी रंजण इथले भरले ।

नॅक स्तिमित, अन् छात्रांचे जरीपटके उडाले ।

उजळे प्रांगण उत्साहाचे नाव त्याचे मॉडर्न ।

बालक-पालक-चालक यांचे ऐक्य खुले ते मॉडर्न ।

चतुःश्रुंगी मातेचा आशिष डॉक्टरांस लाभला ।

चैतन्याचा अमृतकलश जो त्याचे नाव मॉडर्न ।

रजत महोत्सवी मांगल्याचा पथदर्शी वसा मॉडर्न ।

पुण्यनगरीवर, सुविद्य जनांवर ठसा तोच मॉडर्न ॥

प्रा. उज्वला प्रकाश दीक्षित  
गीतकार

# स्थलांतरण आणि जीवन

“ देशांतर भटके पक्षी  
परतीची त्यांना घाई ;  
चोचीत टोचला दाणा  
पंखात जुनी अंगाई ”

-ब्रेस

## भटक्या-विमुक्तांचे स्थलांतरीत जीवन

-अदित्य थोरे, MSC - I

“काट्यावरून जाता, मागे न पाय घेऊ  
हसऱ्या कळ्याफुलांची स्वप्ने विणुन घेऊ  
ओसाड माळ आम्ही फुलवीत चाललो  
आम्ही प्रकाशबीजे रुजवीत चालतो ॥”

३१ ऑगस्ट हा भटक्या-विमुक्तांचा स्वातंत्र्यदिन आरक्षण ही एक सामाजिक चळवळ आहे, असे म्हणताना, महाराष्ट्रातील भटक्या-विमुक्तांना घटनात्मक सवलती का मिळत नाहीत, हा खरा संशोधनाचा विषय आहे.

३१ ऑगस्ट १९५२ रोजी भटक्या-विमुक्तांना गुन्हेगार जातीमधून मुक्त करण्यात आले आणि ‘विमुक्त’ अशा प्रकारचे लेबल त्यांच्या माथी मारण्यात आले. परंतु स्वातंत्र्याच्या ७०-७२ वर्षांनंतर या उपेक्षित समाजाची नेमकी अवस्था काय आहे याच्याकडे दृष्टिक्षेप टाकल्यास कळून येईल की, स्वातंत्र्य म्हणजे काय हे त्यांना माहित नाही. स्वातंत्र्याचं झालं काय तर ते आमच्यापर्यंत आलंच नाही, अशी अवस्था महाराष्ट्रातील भटक्या-विमुक्तांची झालेली आपणास दिसून येईल. देशाला स्वातंत्र्य मिळून एवढी वर्ष उलटून गेली, तरी भटक्या-विमुक्तांना संवैधानिक हक्क अद्यापही का मिळत नाहीत हाही एक कळीचा मुद्दा आहे. अद्यापही ९९ भटके-विमुक्त मदतानापासून वंचित आहेत, रेशन कार्डपासून दूर आहेत, आपल्या मूलभूत हक्क आणि अधिकारांपासून अनभिज्ञ आहेत.

एकीकडे असं चित्रं असताना, दुसरीकडे ‘अच्छे दिन’चे स्वप्न दाखवत सत्तेवर आरुढ होणारे सरकार भटक्या-विमुक्तांसाठी धोरण राबवेल असे अपेक्षित असताना तेही नवा आयोग नेमण्यापलीकडे फारसं काही करताना दिसत नाही. पंतप्रधान पं. जवाहरलाल नेहरुंनी इंग्रजांच्या राजवटीत गुन्हेगारी शिक्का कपाळी बसलेल्या जातींची

मुक्तता ३१ ऑगस्ट १९५२ रोजी केली; परंतु या मुक्तीनंतर भटक्या-विमुक्त समाजाच्या वाट्याला मुक्त जीवन आले का? हा खरा चिंतनाचा प्रश्न बनला आहे. कारण स्वातंत्र्याच्या ७०-७२ रोजी केली; परंतु या मुक्तीनंतर भटक्या-विमुक्त समाजाच्या वाट्याला मुक्त जीवन आले का? हा खरा चिंतनाचा प्रश्न बनला आहे. कारण स्वातंत्र्याच्या ७०-७२ वर्षांनंतरही गावात घर नाही, शिवारात शेत नाही, तसेच त्यांच्यातील अनिष्ट रूढी, परंपरा आणि चालीरितींमुळे त्यांच्या शेकडो पिढ्यांची बरबादी होत असताना दिसते आहे. याचे कारण अन्नपाण्यासाठी पोटाची खळगी भरण्यासाठी भटकंती करून जीवन जगणाऱ्या लक्ष्यावधी भटक्या-विमुक्तांची संख्या नुसती चिंताजनक नाही तर गांभीर्याने विचार करण्यास भाग पाडणारी आहे. असं असताना याचे सोयरसुतक राज्यकर्त्यांना आहे कोठे?

आरक्षणाचे जनक राजर्षी शाहू महाराजांनी प्रथमतः आपल्या संस्थानात आरक्षणाची तरतूद करून या देशात सामाजिक क्रांतीची मुहूर्तमेढ रोवली. त्यानंतरच्या काळात विश्वरत्न डॉ. बाबासाहेब आंबेडकरांनी राज्यघटनेत आरक्षणाची तरतूद करून लाखो वंचितांना न्याय मिळवून दिला. आरक्षण ही एक सामाजिक चळवळ आहे असे म्हणताना, महाराष्ट्रातील भटक्या-विमुक्तांना घटनात्मक सवलती का मिळत नाही. हा खरा संशोधनाचा विषय आहे.

आधुनिकरणाचा गावगाड्यावर जसा परिणाम झाला, तसा भटक्या जमाती वरही झालेला दिसून येतो. औद्योगिकीकरणासाठी जंगलतोड करून जागा उपलब्ध करून देण्यात आली.



जंगलतोडीमुळे गवताची कुरणे नष्ट होण्याच्या मार्गावर लागली. जळणासाठी जंगलतोड होऊ लागली व गर्द झाडाझुडपांनी व्यापलेले रानोमाळ रूक्ष दिसू लागले. भटक्यांच्या व्यवसायावर याचा परिणाम होणे अपरिहार्य आहे. गुरांना चरण्यासाठी लागणारी कुरणे अपुरी पडू लागली. त्यामुळे गुरांचे कळप बाळगणे कठीण होऊ लागले आणि म्हणून गुरांपासून मिळणारी उत्पादने थंडावली. जंगलात लागवडी असणाऱ्या जमिनीबाबत बंधने आली; म्हणून भटक्यांना जमिनी कसणे दुरापास्त होऊ लागले. परिणाम भटके व्यवसायहीन होऊन मोलमजुरी किंवा टाकाऊ उद्योग करू लागले, तर काही भीक मागून जीवन जगू लागले.

महाराष्ट्रातील भटक्या-विमुक्तांना आजही पोटाची खळगी भरण्यासाठी झगडावे लागत आहे. भटक्या-विमुक्तांसाठी आर्थिक विकास महामंडळ आहे; परंतु प्रत्येक जमातीच्या वाटेला त्याचा लाभ किती येतोय हा ही एक गहन प्रश्न आहे. पोटासाठी भटकंती हा जणू त्यांना शाप मिळालेला आहे. एके ठिकाणी स्थिर नसल्यामुळे त्यांच्याकडे स्वतःच्या मालकीचं घर नाही की शेत-शिवार नाही. मग शासनाच्या कुठल्या कागदपत्राची सोय तरी कसे करणार? भटक्या-विमुक्तांच्या राज्यातील सद्यस्थितीचा आढावा घेतला असता, त्यांची सामाजिक-आर्थिक स्थिती अतिशय गंभीर असल्याचं दिसून येतं. एवढी वर्षे विकासाची स्वप्नं पाहत घालवल्यावर, निदान या नवीन सरकारच्या कार्यकाळात तरी आम्हाला न्याय मिळेल का? असा प्रश्न त्यांना पडला आहे.

व्यवसायानुसार भटक्यांचे वर्गीकरण पुढीलप्रमाणे करता येते. उत्पादक काम करणारे, सेवा कर्म करणारे व कर्मणूक करणारे. उत्पादक काम करणारे भटके हे गुरे आणि गुरांपासून मिळणारी उत्पादने (लोकर, हाडे, आणि कातडी) तसेच गुरांची विक्री किंवा त्यांची देवाण-घेवाण (अदलाबदल) यांवर आपली गुजराण करतात. कळपातील गुरांच्या गरजांशी त्यांचे भटकेपण निगडित असते. गुरांना चरण्यासाठी आवश्यक असलेल्या कुरणांच्या शोधात ते भटकतात. एका कुरणातील गवत संपले, की दुसऱ्या कुरणाकडे ते वाटचाल करतात. हे भटके भारतात हिमाचल प्रदेश, पंजाब, उत्तर प्रदेश या राज्यांतील भरपूर कुरणांच्या प्रदेशात आढळून येतात. चांगपास आणि बाकरवाल ही त्यांची ठळक उदाहरणे देता येतील. गुरांच्या कळपापासून मिळणाऱ्या उत्पन्नास पूरक उत्पन्न शिकार, मासेमारी, औषधी वनस्पती आणि कंदमुळे गोळा करणे यांपासून मिळते.

विज्ञान आणि तंत्रज्ञानाच्या प्रगतीमुळे जग निश्चितच जवळ आले आहे; मात्र या जागतिकीकरणात भटक्या-विमुक्त जमाती दिवसेंदिवस अधिकाधिक अगतिक, असहाय बनताना दिसून येत आहेत. खाजगीकरण, भांडवलशाही आणि आधुनिकीकरणातील

बदल या जमातीपर्यंत येऊन भिडले आहेत. भटक्या-विमुक्त जमातींचे पारंपारिक कलाकौशल्य, व्यवसाय कालबाह्य होऊ लागले आहेत. त्यामुळे जगण्याचाच नव्हे, अस्तित्वाचाच प्रश्न या जमातींसमोर उभा राहिला आहे.

आजही विविध सोयी-सुविधांपासून वंचित असलेला भटका-विमुक्त समाज आपल्या पुढील भविष्य अंधःकारमय झाल्याची भावना झाल्यामुळे आणि प्रचंड दारिद्र्याच्या गर्तेत अडकल्यामुळे मोठ्या प्रमाणात अस्वस्थ होत चालला आहे. भारतातील सर्वात मागासलेला समाज असलेल्या भटक्या-विमुक्तांच्या प्रगतीसाठी शासनाकडे कोणताही ठोस व उल्लेखनीय असा आर्थिक, शैक्षणिक वा सामाजिक कार्यक्रम नाही, धोरण नाही. परिणामी शतकानुशतकांपासून दारिद्र्य, गरिबी आणि मागासलेपणाच्या गर्तेतच फिरणारा भटका-विमुक्त समाज आजही, आहे तिथेच आहे.

अशा शतकानुशतक अज्ञानाच्या-दारिद्र्याच्या अंधारात खितपत पडलेल्या भटक्या-विमुक्त समाजाला आता तरी न्याय मिळेल का? हा खरा प्रश्न आहे. म्हणून सामाजिक बांधिलकी म्हणून समाजातील बुद्धिजीविनी, समाजधुरिणांनी, विचारवंतांनी आत तरी भटक्या-विमुक्तांच्या प्रश्नाकडे गांभीर्याने आणि सहानुभूतीने बघण्याची गरज आहे. सरकार त्यांच्यासाठी काही करेल तेव्हा करेल, पण इतर समाजाने तरी त्यांना किमान माणुसकीची साथ दिली पाहिजे.

भटक्या-विमुक्तांच्या सर्वांगीण उन्नतीसाठी आदिवासी प्रवर्गाला जोडून स्वतंत्र असा आदिवासी उपगट (एस.टी.बी) प्रवर्ग निर्माण करून त्यास शासन मान्यता मिळावी, जेणेकरून अनुसूचित जाती-जमातीला मिळणाऱ्या घटनात्मक सवलतींच्या धर्तीवर भटक्या-विमुक्तांनाही सवलती मिळतील. तरच विकासाचा सूर्य त्यांच्यापर्यंत येईल!

शैक्षणिक क्षेत्रातही भटक्या-विमुक्तांची होरपळच दिसून येत आहे. उच्च शिक्षणात शासन दरबारी आर्थिक सवलत नसल्याने (शिष्यवृत्ती) असंख्य तरुण उच्च शिक्षणापासून वंचित आहेत. क्रिमिलेअरसारख्या जाचक अटीमुळे भटक्या-विमुक्तांतील अनेक विद्यार्थ्यांचे आयुष्य टांगणीला लागलेले आहे. एकूण काय तर स्वातंत्र्याच्या सत्तरीनंतरही भटक्या-विमुक्तांची उपेक्षा कायम आहे.

आपले स्वत्व आणि आत्मभान हरवलेल्या व पराकोटीच्या निराशेच्या गर्तेत लोटल्या गेलेल्या या समाजाला आता वेळीच मदतीची हात देण्याची नितांत गरज आहे. अस्वस्थतेत आणि दारिद्र्यात जगणाऱ्या भटक्या-विमुक्त समाजाला मुख्य प्रवाहात आणण्यासाठी शासनपातळीवर तातडीने योग्य ते पाऊल उचलण्याची गरज आहे.

## स्थलांतरण और मानवी जीवन

-आकाश खोजे, FYBA Arts

स्थलांतरण के बारे में कुछ कहना है तो वह क्या है? यह जानना भी बहुत जरूरी है। स्थलांतरण कहते ही हमें 'मायग्रेशन' एवं 'शिफ्टिंग' जैसे शब्द हमारी नजरों के सामने साझा जाते हैं। क्या है स्थलांतरण? "मानव का एक जगह से दुसरी जगह जाकर स्थित होना और अपने जीवन का गुजारा करना। कौन करता स्थलांतरण? हर कोई करता है। कोई शिक्षा की वजह से, कोई नोकरी की वजह से, कोई व्यापार की वजह से, कोई बेरोजगारी की वजह से तो कोई सिर्फ अपना पेट भरने के लिए स्थलांतरण करता है।



जीवन का बहुत नजदीकी रिश्ता हैं।

अगर मानव को अपने जीवन में विकास चाहिए तो स्थलांतरण निश्चित है। इन्सान को जीने के लिए जीन चीजों की आवश्यकता होती है। जैसे-शिक्षा, नोकरी आदि वह सारी चीजे एक ही जगह तो नहीं मिलती या नहीं मिल सकती। इसके के पश्चात इन्सान स्थलांतरण करता है। मानव

का विकास और जीवन को जोडनेवाला महत्वपूर्ण घटक हैं स्थलांतरण।

यदि मानव जीवन में स्थलांतरण नहीं होता, यदि मानव को यहाँ से वहाँ जाने की चाह नहीं होती तो जाहीर सी बात है आज इन्सान इस मुक्काम पर नहीं होता। कभी-कभी स्थलांतरण हमे जिंदगी के बारे में सिखाता हैं। अगर हम एक ही जगह पर रहते है; तो हमें कुछ नया करने की चाह होती है। इसलिए हम एक जगह से दुसरी जगह जाते है तब हमें एहसास होता है कि दुनिया बहुत बडी है। दुनिया में करने जैसा बहुत है। हमें कुछ करने का हौसला मिलता हैं स्थलांतरण के कारण।

हम हमारा इतिहास पढते है स्थलांतरण की कोह से, दुनिया में हमारा स्थान क्या है ये हमें पता चलता है स्थलांतरण की वजह से, हमें जीने की उम्मीद मिलती है स्थलांतरण की वजह से। पूरे विश्व के इतिहास का साक्षी है स्थलांतरण, इतिहास होने का कारण है स्थलांतरण।

स्थलांतर मानव जीवन का पहला परिवर्तन था। मानव की जिंदगी शुरु हुई थी स्थलांतरण से जो आज भी स्थलांतरण के साथ ही चल रही है। इन्सान को परिवर्तनशील माना जाता है शायद इसीलिए मानव प्राचीन काल से आज तक स्थलांतरण करता आया है। प्राचीन काल से नव जीवन में स्थलांतरण महत्वपूर्ण था, है और रहेगा।

ये जो स्थलांतरण नामक जो विधा है वह मानव के जीवन से कब जुट गई? मानव जीवन में कैसे आयी? इसकी शुरुवात कब से हुई? ये सारी बातें जानना बहुत जरूरी है जितनी की इसके महत्व के प्रति आकर्षित होना।

यदि हम हमारे भूतकाल में झाँक कर देख ले तो हमें यह पता चलता है की प्राचीन मानव शुरुवात में जंगलो में रहा करता था, जब की उसकी बुद्धि का पूरी तरह से विकास नहीं हुआ था फिर जैसे-जैसे प्राचीन मानव की बुद्धि का विकास होता गया वैसे-वैसे उसके कार्यों संबंध मानव जाती के लिए उपयुक्त और महत्वपूर्ण अविष्कार होते गए। जो कि आज भी मानव अपने रोज के जीवन में इस्तेमाल करता है। उस काल में मानव को अन्न की सबसे ज्यादा जरूरत थी। इसलिए वह अन्न की खोज में निकल पडा। फिर वह यहाँ से वहाँ, वहाँ से यहाँ भटकने लगा और जहाँ उसे रहने लायक जगह मिली वहीं पर रहने लगा। उसी समय से शुरु हुआ यह स्थलांतरण का सिलसिला जो आज भी मानव के जीवन को चिपका हुआ है।

स्थलांतरण मानव के जीवन में महत्वपूर्ण भूमिका प्रदान करता है। स्थलांतरण की वजह से ही मानव का अस्तित्व आज तक टिका हुआ है। ऐसा कहना कोई गलत नहीं होगा। स्थलांतरण और मानवी

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## ग्रामीण ते शहरी स्थलांतर

- वैष्णवी मिसाळ F.Y.B.A.



कुणीही आपले गाव, घर सोडून आनंदाने बाहेर जात नाही. परिस्थितीच त्यांना तसे करण्यास मजबूर करते. जे लोक कामाच्या किंवा निवारा शोधत एका ठिकाणाहून दुसऱ्या ठिकाणी जातात. त्यांना स्थलांतरीत म्हणतात. स्थलांतरित करणारे लोक बऱ्याचवेळा कुशल किंवा सुशिक्षित नसतात. त्यामुळे ते कामगार म्हणून काम करतात. त्याचबरोबर मुलांना शिक्षणाच्या संधी उपलब्ध होत नाहीत म्हणून त्यांना खेड्याकडून शहराकडे स्थलांतर करावे लागते. काहीवेळेस त्यांना खाण्यासाठी अन्न राहण्यासाठी निवारा इत्यादी तडजोड करावी लागते. भारतात बहुतेक राज्यांत ग्रामीण भागातून शहरी भागात स्थलांतर झालेले दिसून येते. विशेषतः मुंबई, पुणे, कोलकत्ता, दिल्ली आणि चेन्नई इत्यादी शहरामध्ये मोठ्या प्रमाणात स्थलांतर होते.

गेल्या काही वर्षातील हवामानाबद्दल, नैसर्गिक आपत्ती महापूर, रोगराई, दुष्काळ, भूकंप या सर्वांमुळे स्थलांतर घडते काही वर्षांपूर्वी म्हणजेच ३० जुलै रोजी पुणे जिल्ह्यातील माळीण गावावर दरड कोसळल्याच्या नैसर्गिक दुर्घटनेने अनेक गावांना शहराकडे स्थलांतर करावे लागले. सांगलीमध्ये पुर परिस्थितीमुळे गावांना फटका बसला. त्या दरम्यान पुरात आडकलेले ४ हजार कुटुंबांचे स्थलांतर करण्यात आले. १९९३ साली लातूर जिल्ह्यातील किल्लारी गावामध्ये भूकंप झाल्यामुळे तेथील रहिवाश्यांना शहराकडे स्थलांतर करावे लागले. २०१८ साली नांदेड जिल्ह्यातील ४० गावांनी दुष्काळाने ग्रस्त झाल्याने मुंबई शहरामध्ये स्थलांतर केले.

या आजकालच्या युगामध्ये शहरी जीवनाकडे स्थलांतर करणे हा अतिशय महत्त्वाचा विषय बनला आहे. महानगरांचे आकर्षण व नोकरीच्या मिळणाऱ्या संधी या मुळे मोठ्या संख्येने लोक शहरांकडे खेचले जात असतात. स्थलांतरामुळे स्थलांतरितांच्या जीवनावर

सकारात्मक तसेच नकारात्मक परिणामांचा प्रभाव पडतो. सकारात्मक प्रभावामुळे बेरोजगारी कमी होते आणि त्याचबरोबर लोकांना नोकरीच्या चांगल्या संधी मिळतात. ज्या शहरात स्थलांतरीत लोक स्थलांतर करतात. त्या शहरात सामाजिक आणि आर्थिक पर्यावरणाचा मोठा परिणाम घडून येतो. ज्या ठिकाणी स्थलांतरीत केले जाते तेथील लोक या लोकांना सामाजिक जीवन सुधारण्यास मदत करतात आणि त्यांना नवीन संस्कृती, चालीरिती भाषा शिकवतात. त्यामुळे लोकांमध्ये बंधुता निर्माण होते. कुशल कामगारांच्या स्थलांतरणामुळे तेथील उद्योगधंदे मोठ्या प्रमाणात आर्थिक वाढ होते. मुलांसाठी उच्च शिक्षणाच्या अनेक संधी उपलब्ध होतात. ग्रामीण भागात लोकसंख्येची घनता कमी होते आणि जन्मदर कमी होतो. नकारात्मक प्रभाव शहरीभागांतील कामगारांच्या गर्दीमुळे, नोकरी, घरे, शाळा, सुविधा इत्यादीच्या बरोबर स्पर्धा वाढते. मोठ्याप्रमाणात लोकसंख्या वाढल्यामुळे नैसर्गिक संसाधने सुविधा आणि सेवांवर खूप दबाव वाढतो. ग्रामीण भागातील लोक शहरी भागात गेल्यावर त्यांना जगणे अवघड होते. कारण शहरी भागात नैसर्गिक वातावरण आणि शुद्ध हवा नसते. त्यांना तेथील महागाई झेपत नाही. स्थलांतरणामुळे एखाद्या जागेच्या लोकसंख्यामध्ये बदल होते. म्हणूनच लोकसंख्येचे वितरण हे महाराष्ट्रामध्ये असमान आहे.

शेतकऱ्यांना शेतामध्ये उत्पन्न मिळत नसल्यामुळे स्थलांतरांची समस्या उद्भवते. बरेच शेतकरी शहरामध्ये येऊन हमालाची कामे करतात. महाराष्ट्रातील दुष्काळग्रस्त भागातून जास्त प्रमाणात मुंबई सारख्या शहरी भागांमध्ये स्थलांतर होते. त्याच्या या स्थलांतरामुळे त्याच्या कुटुंबातील स्त्री आणि लहान बालकांच्या समस्या निर्माण होतात.

## स्थलांतर

या महाराष्ट्र राज्यामध्ये ग्रामीण भागातील युवा पिढी शिक्षणाच्या आवडीमुळे शहराकडे वळत आहे. बरेच तरुण पुणे, मुंबई इत्यादी सारख्या शहराकडे स्थलांतर करतात. त्यांना बऱ्याच समस्यांना तोंड द्यावे लागते. त्यांच्या राहण्या व खाण्याची गैरसोय निर्माण होते. त्याचबरोबर मनावर आणि शारीरिक आरोग्यावर परिणाम होतो.

कौटुंबिक व्यवस्थापन हे कुटुंबापासून दुरावा निर्माण झाले की ढासळते. शिक्षण आणि नोकरी या दोन्ही गोष्टीमुळे घरातील तरुण व घरातील कर्तबगार पुरुष हे शहरी भागाकडे वळतात.

स्थलांतरीत कामगारांना मोठ्या शहरात अंधाऱ्या व गैरसोय असणाऱ्या कारखान्यात काम करावे लागते. अरुंद घरांमध्ये तसेच चाळींमध्ये रहावे लागते. त्या ठिकाणी असणाऱ्या सांडपाण्याची सुविधाही नीट नसतात. याचा परिणाम आरोग्यावर होतो. ग्रामीण ते शहरी स्थलांतर हे शहरांच्या लोकसंख्या वाढीस कारणीभूत आहेत. भारतात एकूण लोकसंख्येपैकी जवळपास २८ टक्के लोक नागरी भागात दाटीवाटीने राहत आहेत.

स्थलांतरीकरण हे एक विकासाचा भाग आहे. वाहतूक सहजपणे उपलब्ध झाल्यामुळे जवळपासच्या शहरांमध्ये स्थलांतरामुळे अनेक फायदे होतात. म्हणजेच आधुनिक तंत्रज्ञानाचा शेतीमध्ये वापर होतो. कुशल कामगार हे मोठ्या प्रमाणात शहराकडे आकर्षित होतात. ते कामातील मोबदल्यातील रकमेमधील बऱ्यापैकी हिस्सा त्यांच्या घरी पाठवितात. यामुळे ग्रामीण भागातील अर्थव्यवस्थेत सुद्धा सुधारणा होते.

महाराष्ट्रातील अनेक भागातील स्थलांतर रोखण्यासाठी काही उपाययोजना केल्या पाहिजेत. त्या पुढीलप्रमाणे, ग्रामीण भागात मोठे उद्योगधंदे, लघुउद्योग सुरू केल्यास तेथील मजुरांना रोजगार उपलब्ध होईल. ग्रामीण भागात अनेक फळांचे उत्पादन मोठ्या प्रमाणात होते. त्या फळांवर प्रक्रिया करून उद्योग उभारावेत. फळबाग कार्यक्रम हे सरकारने राबविले पाहिजेत. शेतीमध्ये सुद्धा ग्रामीण भागातील लोकांनी लक्ष दिले पाहिजेत. ग्रामस्थांना पाण्याची उपलब्धता ही तेथील सरकारने करून दिली पाहिजेत. ग्रामीण भागातील पर्यटनावर लक्ष दिले पाहिजेत. धार्मिक स्थळे, धबधबे त्या ठिकाणी पायाभूत सुविधांचा विकास केल्यास पर्यटकांची संख्या वाढून स्थानिकांना रोजगार उपलब्ध होईल.

या सर्व उपाय योजनांची अंमलबजाणी केल्यास जिल्ह्यातील स्थलांतर थांबवता येऊ शकते.

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### कल फिर कोई दोहराएँगा

यह मेरा गीत  
जीवन संगीत  
सुन इसे कोई मुस्काएँगा  
कल फिर कोई दोहराएँगा...

जग में कल मैं रहूँ या ना  
किसे पता, कल कहूँ या ना  
पर शब्द यह मेरा आएँगा  
कल फिर कोई दोहराएँगा...

जो गाएँगे कल; वह खास होंगे  
कुछ सुनकर लोग उदास होंगे  
है माली का अधिकार मल ले जाए पूरा उपवन लूट  
पर फूलों में जो खुशबू हैं, वह खुशबू न मिट पाएँगा  
कल फिर कोई दोहराएँगा...

कुछ जाएँगे, हर्षाएँगे  
कुछ लोग दुआएँ पाएँगे  
पर संभव है कुछ आँखों में;  
मोती भी आ जाएँगा  
कल फिर कोई दोहराएँगा...

पर्वत, मिल जाया करते हैं  
नदियाँ भी सूखा करती हैं  
पर अक्षर तो हैं अमर जुबानी  
जोहर दिन गुँजा करती हैं।

तुम आओ या न आओ पर  
मेरे गीत तुम्हारे पास सहारा पाने आएँगे,  
मेरे बाद तुझे ये मेरी याद दिलाने आएँगे।  
हो सकता है कल साथ तुम्हारा  
मुझको न मिल पाएँगा कल  
फिर कोई दोहराएँगा...

-सतीश कुमार  
F. Y. B.Sc

## संस्कृती आणि स्थलांतर

-रोहन कोळी, MSC I

“विश्वामध्ये आणि निसर्गामध्ये स्थलांतर हे सतत घडत असते स्थिर असे काही नसते पृथ्वीसुद्धा फिरत असते मानव हा निसर्गाचा एक घटक आहे मानवी संस्कृतीचे सुद्धा ह्या ना त्या कारणाने, वेगवेगळ्या पद्धतीने नेहमी स्थलांतर होत असते.”

सांस्कृतिक व स्थलांतर हा प्रवास शांतपणे परंतु जीवघेणा, संघर्षमय आणि चित्तथरारक असा चालू असतो. थोडक्यात विश्वाचा, निसर्गाचा आणि मानवाचा इतिहास म्हणजे सांस्कृतिक स्थलांतरांचा मागोवा आहे. विश्लेषण आहे. म्हणजेच 'कुणीकडून कुणीकडे' असाच न संपणारा प्रवास आहे.

“स्थलांतर म्हणजे स्वातंत्र्य, बंधनमुक्ती  
स्थलांतर म्हणजे नव्या जगात नवी सुरुवात  
स्थलांतर म्हणजे परंपरेला दुरावण विसरण  
स्थलांतर म्हणजे संस्कृतीची सरमिसळ  
स्थलांतर म्हणजे काही कमावणं काही गमावणं.”

विज्ञानाने संस्कृतीत भर टाकून मोलाचा वाटा उचलला आहे. आपल्या पूर्वजांनीही विज्ञानाचा वेध प्राचीन काळापासून घेतला आहे. त्याचा विसर न पडता त्यांचेच हे प्राचीन व्रत आधुनिक भारताला पुढे चालवायचे आहे. आजचे युग हे उपग्रहांचे व संगणकांचे आहे. या युगात संगणक प्रणालीने जीवनाच्या सर्वच क्षेत्रात केवढी प्रचंड क्रांती केली आहे. हे अद्याप आपल्याला उमगलेलेच नाही. मानवी संस्कृती व भरभराट ही आज विज्ञानाच्या पायावर उभी आहे. आज आपल्या रोजच्या जीवनातून चूल, बंब, उखळ खलबत्ता, जातं, मुसळ, पाटा, वरवंटा अशा अनेक गोष्टी हरवल्या आहेत. त्यांची जागा मिक्सर, ग्राइंडर, फुड प्रोसेसर या वस्तूंनी घेतली हा

बदल सुख-सुविधा बरोबर घेऊन आला. त्याची सवय झाल्यावर हरवलेल्या वस्तूंचा काळानुसार विसर पडू लागला. तरीपण त्या गमावलेल्या वस्तू आपण आपल्या परंपरेचा एक अविभाज्य भाग होता. हे आपण कधीतरी आठवून आपल्या प्रगतीचा आलेख मोजतो. नवीन गवसल्याचा अभिमान मानतो. झालेल स्थित्यंतर अंगवळणी पडतं. स्थलांतरामुळे होणारी स्थित्यंतरे व संस्कृतीत बदलेला दृष्टीकोन परत बदलता येत नाही. परंतु पंख फुटल्यावर भरारी मारणारी पाखरं पुन्हा घरट्यात येत नाहीत, कारण घरटं जुन झालेल असतं.

पेशांची - सुविधांची, ज्ञानाची, स्वप्नपूर्तीचा माणसाला ओढ लागते. त्यासाठी माणस स्थलांतर करतात व संस्कृतीत कायमचा बदल होत जातो. हे स्थलांतर ऐच्छिक असते. काही वेळा राजकीय घडामोडींमुळे बदलेलं स्थलांतर अनैच्छिक असतं. माणूस ढकलला गेलाच की ओढला गेलाय यावर तो स्थलांतरित आहे, की निर्वासित आहे हे ठरविता येत. स्थलांतरित दुसऱ्या देशात नशीब आजमावण्यासाठी येतो. संयुक्त राष्ट्रांनी केलेली व्याख्या अशी - **A migrant is someone who seeks better living conditions in another country, a refugee is someone who flees persecution, conflict and war.**

जन्मापासून प्रत्येकाला स्वातंत्र्याची आस असते. नाळ तोडून स्वतंत्र आयुष्य जगण्याची धडपड असते. पण त्याच वेळी मिळालेल्या स्वातंत्र्याची भिती वाटत असते. जसं लहान मुल चालायला लागलं, की पुढं पुढं पळायला बघतं. नवीन जगाच्या अनुभवाला आसुसलेलं असतं, पण नवीन माणसं आणि नवीन जागा पाहिल्यावर घाबरून



## स्थलांतर

आईला येऊन बिलगतं. अशीच काहीशी मानसिक अवस्था स्थलांतरितांची असते. स्थलांतर ही स्वातंत्र्याची झेप असली, तरी सुरक्षित ओळखीचा परिसर व माणसं आणि समाजासाठी यापासून दुरावा निर्माण होऊ लागतो. नव्या परदेशी संस्कृतीशी होणाऱ्या घर्षणामुळे स्थित्यंतर घडू लागतात.

अमेरिकेची ओळख प्रामुख्याने स्थलांतरितांचा देश अशीच आहे. अमेरिकेला जाण्याची ओढ प्रत्येक भारतीयाला असते. कारण (American) अमेरिकन ड्रीमची भुरळ सगळ्यांना पडत असते. स्वप्न पडण्याबाबत गुलजार म्हणतात—

‘आँखो को वीसा नहीं लगता, सपनोंकी सरहद नहीं होती’—

काही लोक केवळ मनाने स्थलांतरित असतात. ते शरीराने जगतात एकीकडे पण मनाने राहतात दुसरीकडे त्यांना दुसऱ्या देशाची, संस्कृतीची, भाषेची विलक्षण ओढ वाटते. पुस्तकं, चित्रपट, संगीत यातून ते तिकडे जगू पाहतात. अमेरिका हा देश ‘मेल्टिंग पॉट’ आहे. त्यामुळे इथे आलेल्या प्रत्येकानं आपला भूतकाळ आणि पाळमुळं विसरून अमेरिकन होण्याची गरज असते. ही गरज भागवताना स्वतःचं आणि संस्कृतीचं मेल्टिंग होताना ज्या यातनांतून स्थलांतरितांना जावं लागत या सर्व अनुभवांनी अमेरिकन वाङ्मय व लेखन समृद्ध झालं. त्यात अनेक भारतीय

लेखकही आहेत. होणाऱ्या स्थित्यंतरामुळे काही यशस्वी होतात. पण ज्यांना ही स्थित्यंतर पेलवत नाहीत ते मानसिक संतुलन घालवून व्याधीग्रस्त होतात. स्थलांतर होताना केवळ स्थानं बदलत नाही. तर स्थलांतरितांच्या मनावर नवीन स्थानाचा आघात होत असतो. माणसाच्या गरजा फक्त खाण्याशी निगडित नसतात, तर त्याच्या परिस्थितीशी जुळवून घेण्यावर अवलंबून असतात. ‘एकत्रित संस्कृती सोडून व्यक्तीकेंद्रीत संस्कृतीमध्ये आल्यावर जी ओढाताण होते. त्यानं मानसिक स्वास्थ्य बिघडतं.

पहिल्या पिढीचा संघर्ष आपली संस्कृती जपण्याचा आटोकात प्रयत्न करण्यात व मुलांना आपल्या नीतीमूल्यांची ओळख करून देण्यात होत असतो. त्यामुळे निवृत्तीनंतर परत येण्याचा एक मार्ग खुला असतो. दुसऱ्या पिढीला आई-वडिलांच्या देशाबद्दल फारसे प्रेम नसते व तिथल्या नातेवाईकांबद्दल फारशी आस्था नसते. इतकी वर्ष दूर राहिल्यावर दृष्टिकोन बदललेला असतो. इकडे भारत बदललेला असतो; पण स्थलांतरित त्यांच्या Imaginary Homeland मध्ये अडकलेला असतो. त्या ठिकाणी वास्तव्य करून सांस्कृतिक बॅगेज हलकं होतं, पण जे मिळालं त्यापेक्षा जे हरवलं ते जास्त मोलाचं होतं आणि जे गमावलेलं असतं ते परत येण्यासारखं नसतं. हे कळायला काही वर्ष निघून जातात.



Life is but a stopping place,  
A pause in what is to be,  
A resting place along  
the road to sweet eternity  
We all have different journeys  
Different paths along the ways  
We all were meant to learn something  
but never meant to stay...  
our destination is a place  
far greater than we know  
for some the journey is quicker  
for some the journey is slow  
And when the journey finally ends,  
will claim a great reward  
And find an ever lasting peace  
together with the lord  
That's why the life must go on.

-Rituraj Bhuyan  
F. Y. B com

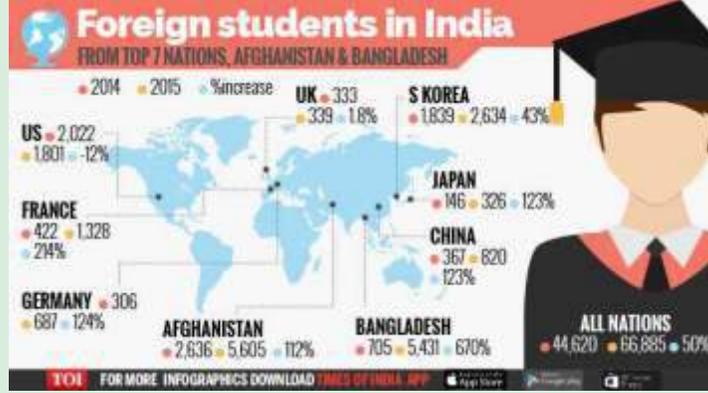
## शिक्षण आणि स्थलांतर

– योगिता फुलसागर, S.Y.B.Sc

गेल्या तीन शतकांमध्ये प्रत्येक देशात कमी अधिक प्रमाणात औद्योगिकीकरण होत आहे. औद्योगिक केंद्राजवळ नगराची वाढ होणे आणि ग्रामीण भागातून अशा नगराकडे स्थलांतरीतांचा ओघ वाहत असलेला आढळणे हे विसाव्या शतकातील सार्वत्रिक दृश्य आहे. स्थलांतराचे प्रमाण एखाद्या देशाच्या आर्थिक प्रगतीचे निर्देशक आहे. असे म्हटले तर ते वावगे ठरू नये.

स्थलांतरामध्ये विद्यार्थ्यांचे मोठ्या प्रमाणात स्थलांतर होत आहे. भारतातील ६०% स्थलांतर केवळ शिक्षणव्यवस्थेच्या अभावामुळे होतो. गावाकडे नीट शिक्षण मिळत नाही, त्यामुळे प्रचंड प्रमाणात पालक त्यांच्या मुलांना शहराकडे पाठवतात. आता शिक्षण हा शहरामध्ये मोठ्या प्रमाणात केला जाणारा व्यवसाय आहे असे म्हणायला काही हरकत नाही. हे स्थलांतरावरून दिसून येतो. भारतात विद्यार्थ्यांचे मोठ्या प्रमाणावर स्थलांतर होत असून उत्तर प्रदेश आणि बंगालमधील विद्यार्थी प्रामुख्याने महाराष्ट्र आणि कर्नाटकात शिक्षणासाठी येत असल्याचे दिसून आले आहे. स्थलांतर ही गोष्ट आपल्याला नवी नाही. अलिकडेच करण्यात आलेल्या काही पाहण्यांमध्ये असे आढळले आहे की, भारताच्या लोकसंख्येच्या एक तृतीयांश लोकसंख्या ही कोठून ना कोठून तरी स्थलांतरीत होऊनच आपल्या जागेवर स्थिर झालेली आहे. म्हणजे भारताच्या लोकसंख्येतल्या दर तीन माणसांमध्ये एक माणूस स्थलांतरीत आहे. तशी मानवी समाज आणि समाजातील विविध वर्ग सातत्याने स्थलांतरच करत आलेले आहे. परंतु पुरातन काळापासून सुरु असलेले हे स्थलांतर पोटापाण्यासाठीही झालेले आहे.

शिक्षण घेण्यासाठी अनेक विद्यार्थी एका राज्यातून दुसऱ्या राज्यात जातात. ही गोष्ट शिक्षणाचे महत्त्व कळाल्याचे द्योतक आहे. म्हणजे समाजाला आता शिक्षणातून विकास घडविण्याचे महत्त्व कळायला लागले आहे. अरुणाचल प्रदेश हे ईशान्य भारतातलं एक छोटे राज्य आहे. तिथला हा विद्यार्थी दिल्लीत का आला होता, असा प्रश्न साहजिकच निर्माण होतो. मात्र केवळ दिल्लीच नव्हे तर



भारतातल्या अनेक मोठ्या शहरांमध्ये अन्य राज्यातली मुले मोठ्या प्रमाणावर आलेली दिसतात. त्यांच्या या स्थलांतरामागे शिक्षण घेण्याचा हेतू आहे. शिक्षणासाठी भारतात अंतर्गत स्थलांतर मोठ्या प्रमाणावर होत आहे. बिहार आणि उत्तर प्रदेशातली मुले मोठ्या संख्येने शिक्षणासाठी

आपल्याल राज्याच्या बाहेर जाताना दिसतात. ज्या राज्यांमध्ये शिक्षणाच्या सोयी नाहीत. त्या राज्यातले विद्यार्थी चांगल्या शिक्षणाच्या आशेने परराज्यातल्या मोठ्या शहरांमध्ये जात आहेत आणि भारतातले हे एक मोठे स्थलांतर आहे. अशा स्थलांतराचे अनेक चांगले-वाईट परिणाम समाजावर होत असतात.

खरे म्हणजे ईशान्य भारतातील लहान-सहान राज्यांतून म्हणजे मणिपूर, मिझोराम याही राज्यातून विद्यार्थी मोठ्या संख्येने परराज्यात जात आहेत. परंतु या राज्याची लोकसंख्या मुळातच कमी आहे आणि त्यांचे विद्यार्थी शिक्षणासाठी परराज्यात गेल्यावर त्यांची संख्या तिथे म्हणावी तशी जाणवत नाही. मात्र त्यांचे स्थलांतर आहे आणि त्या स्थलांतरावरून त्या राज्यातल्या उच्च शिक्षणाच्या दर्जावर मोठा प्रकाश पडत आहे. शिक्षणासाठी होणाऱ्या या स्थलांतरातून विद्यार्थ्यांची चांगली शिक्षण घेण्याची तीव्र इच्छा व्यक्त होतेच, शिवाय परराज्यात जाऊन शिक्षण घेण्यासाठी येणारा खर्च करण्याची पालकांची तयारी सुद्धा दिसते आणि या गोष्टी शिक्षणाचे महत्त्व लोकांना कळत असल्याचे दाखवून देतात. शिक्षणासाठी स्थलांतर होऊच नये असे काही कोणी म्हणू शकत नाही. परंतु विद्यार्थ्यांना आपापल्या राज्यात शिक्षण मिळावे हे अधिक योग्य आहे. पण दुर्दैवाने सर्व राज्यांची शैक्षणिक प्रगती समानतेने होत नाही. त्यामुळे विद्यार्थ्यांना शिकण्यासाठी गाव सोडून इतरत्र जावे लागते.

स्थलांतरामुळे शहरी भागावर विविध प्रमाणात परिणाम होतात. जसे शहरीकरण व तंत्रज्ञानातील विकासामुळे वृद्धीदर वाढत राहते. बाह्य स्थलांतरीतांना आपल्या जीवनात कौटुंबिक बंधनाची उणीव भासते, ग्रामीण शहरी स्थलांतराचा आर्थिक, सामाजिक व राजकीय रचनेवर वाईट परिणाम होतो. या उलट स्थलांतराची प्रक्रिया हा एक

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विकासाचा एकात्मिक भाग आहे. स्थलांतराच्या फायदाचा विचार करता हे सर्वांगीण प्रगतीचे एक साधन आहे. जे आपण काही बाबींच्या आधारे दाखवू शकतो. जसे की स्थलांतराचा परिणाम म्हणून शिक्षित तरुण शहरी भागाकडे स्थलांतर करतात आणि स्वतःला अकृषीक कार्यामध्ये गुंतवून घेतात. पश्चिम बंगाल आणि उत्तर प्रदेश ही दोन मोठी राज्ये आहेत. उत्तर प्रदेशाची लोकसंख्या १८ कोटी तर पश्चिम बंगालची लोकसंख्या १ कोटी आहे. मात्र उत्तर प्रदेशात मुळातच मागासलेपण जास्त आहे आणि लोकसंख्येच्या प्रमाणात शिक्षणाच्या सोयी फार कमी आहेत. पश्चिम बंगालमध्ये डाव्या आघाडीने सरकार ३०-३५ वर्षे सत्तेवर होते. परंतु या सरकारला राज्याची म्हणावी तशी प्रगती करता आली

नाही. स्वतःला पुरोगामी म्हणवणारे हे पक्ष फक्त पुरोगामी घोषणा करत राहिले, राज्य मात्र मोठ्या प्रमाणावर मागासलेलेच राहिले. त्यामुळे केवळ विद्यार्थीच नव्हे तर मजुरांनी सुद्धा या राज्यातून मोठे स्थलांतर केलेले आहे.

वरील बाबींवरून असे लक्षात येते की शिक्षण हा एक स्थलांतराचा अविभाज्य घटक ठरला आहे. शिक्षण म्हटले की विकास, प्रगती त्याचप्रमाणे ज्या वेगाने शिक्षणासाठी होणारे स्थलांतर ते आपल्या देशाला प्रगतीकडे वाटचाल करायला मदत करेल.

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### क्योंकि जंग अभी भी बाकी थी...

जो मिले न कोशिश करके भी  
शायद वो सपने न मेरे थे।  
हर लम्हा जिया, ए जिंदगी तेरे साथ  
पर शायद वो आँसू ही मेरे थे।

छोड़ दिये वो काफिर रास्ते  
जिन्होंने खत्म ना होने की कसमें खायी थी।  
अब हरपल तरसता हूँ, उसी ख्याब के लिए  
जिसने हमसे ना मिलने की हिम्मत जुटाई थी।

हो तेरे सामने हार ए जिंदगी  
गम तो इस बात का कतह नहीं था।  
पर घबरा जरूर गए उस बात से  
जिसने खुद से हारने पर मजबूर किया था।

करती रहे तू जी जान से कोशिश ए जिंदगी  
हम तुझसे यों हारेंगे नहीं।  
हम भी इट का जवाब पत्थर से देंगे  
मैदान छोड़कर कभी भागेंगे नहीं।

हरबार तुने गिराया जमीन पर  
शायद जीत हमारी तुझे मंजूर न थी।  
थककर बैठ जाँ तो वह हम कहाँ  
क्योंकि जंग अभी भी बाकी थी।

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पूजा प्रकाश जायगडे  
FYBA

### जंग जंग की बात



कभी जंग अपनी अपनेही संग,  
कभी कड़वे गाढे अपनेही रंग,  
कभी सामने किसी अपने का होना,  
कभी अपना अपने सामने रोना,  
जंग जंग की बात है...

कभी उजडते रंगो शबाब,  
कभी बिखरते बिलखते ख्वाब,  
कभी गिरते संभलते होशो हवास,  
कभी चलतेही थम जाती एक साँस,  
जंग जंग की बात है...

कभी अमन का शेरो सुखन,  
कभी उजडता बागों चमन्,  
कभी बसंती रंग में रंगा तन  
कभी जखमों से लथपथ मन,  
जंग जंग की बात है...

कभी शानों शौकतों की रखवाली,  
कभी उजडे बागानों की रखवाली,  
कभी धुआँसा सो कभी हरियाली,  
कसक हार की या जीत की खुशहाली,  
जंग जंग की बात है...

-डॉ. अश्विनी कुलकर्णी  
(Microbiology Dept)

## बढ़ता नागरीकरण और स्थलांतरण

प्रियंका संजय पवार, F.Y.B.A.

शहरीकरण बढ़ते समय, आर्थिक स्थिथियों में भी स्थलांतरण का प्रमाण भी बढ़ताही जा रहा है। हमारे देश में विकास और स्थलांतरण का प्रश्न दोनों एक दूसरे से समांतर होते हुए कई बार नजर आते हैं। वास्तविक मानव एक जगह छोड़के दुसरी जगह में स्थानापन्न होता है उसे स्थलांतरण कहा जाता है। व्यवसाय की वजह से भी स्थलांतर किया जाता है।



नवनवीन भूप्रदेश खोज कर सुरुवात के कालखंड में साहसी व्यापारीयों का स्थलांतरण होना शुरु हुआ था। अनेक विध कामों के लिए इन व्यापारीयोंने दक्षिण अफ्रिका से सुमारे एक कोटी गुलाम खरीद कर लाए थे। दुसरे महायुद्ध तक छह कोटी युरोपियोंने स्थलांतरण किया था। एक देश में दुसरे देश में किया हुआ स्थलांतरण देशांतर्गत स्थलांतरण के नाम से जाना जाता है।

उपनगरसे शहर में सिर्फ नोकरी और व्यवसाय के लिए जाना उसे हम स्थलांतर नहीं कह सकते। 'दीर्घकाल वास्तव्य का निश्चय' इस लिए सभी देशों में एक वर्ष की मर्यादा दी गयी है।

प्रागैतिहासिक कालखंड से मानव स्थलांतर करते करते पृथ्वी के सभी कोनों में गया हुआ नजर आता है। किंबहुना स्थिर वास्तव्य करके रहना इसे सांस्कृतिक उत्क्रांती मानी जाती है। ज्ञान इतिहास में आर्य लोक उत्तर युरोप दक्षिण से पूर्व आशिया में स्थलांतरित हुए थे। इजिप्त में से छिब्रु गुलाम लोगों का स्थलांतर इ.स. सातवे शतक में अरब लोगों का उ. अफ्रिका से पश्चिम किनारे तक का स्थलांतर नजर आता है। इन उदाहरणोंसे नजर आता है की हर एक देश में मानव का स्थलांतरण का वेग बढ़ताही जा रहा है। चारसो वर्ष पहिले युरोपियन लोगोंका अमेरिका, ऑस्ट्रेलिया, उत्तर आशिया और अफ्रिका खंड में अनेक देशों में स्थलांतर हुआ था और वहाँ उन्होंने बहुत सारी मकाने भी स्थानापन्न की हुई नजर आती है। इसवी सन सातवे शतक में इस्लाम और अफ्रिका का बहुतांश भाग लोगों ने व्यापित कर लिया था। आठवे शतक में पूर्व में सिंधू और पश्चिम में फ्रान्सका स्थलांतरण हुआ था। इ.स. दसवे शतक में खितान इस जमातीने मंगो लिया और उत्तर चीन में अपना स्थलांतरण करके प्रभुत्व स्थापन किया था और चौदहवी और पंधरवी शताब्दी में तुर्क लोगोंने आशिया मायनर पर प्रभुत्व स्थापित करके कॉन्स्टंटिनोपल काबीज किया था।

हम सब मनुष्य शब्द को समझते हैं। यह एक परिचित शब्द है जिसे आमतौर पर प्रयोग किया जाता है लेकिन क्या हम वास्तव में जानते हैं कि कैसे मनुष्य या मानव प्रजातिया अस्तित्व में आई और कैसे यह बीतने के साथ विकसित हुई? जैसा कि आज हम देखते हैं मनुष्य उस विकास का नतीजा है जो बीते लाखों वर्षों में हुआ है। मनुष्य को पृथ्वी पर सबसे बुद्धिमान प्राणी कहा जाता है इसमें कोई आश्चर्य नहीं। इसने जीवन को आरामदायक और मूल्यवान बनाने के लिए इतनी सारी चीजों का अविष्कार किया है। मनुष्यने हमेशा समूह में रहने को प्राथमिकता दी है। आदीम के जमाने से मनुष्य समूह में रहा है। इससे वह सुरक्षित महसूल करता था और जंगली जानवरों से खुद को बचाता भी था। यह एक ऐसा मानवीय व्यवहार है जो समय के साथ कभी नहीं बदला। लोग अभी भी सामाजिकता से प्यार करते है। समाज, परिवार और संस्कृति मनुष्य के लिए बहुत महत्वपूर्ण हैं।

शहरी क्षेत्रों के भौतिक विस्तार (क्षेत्रफल, जनसंख्या आदी का विस्तार) शहरीकरण कहलाता है। यह एक वैश्विक परिवर्तन है। संयुक्त राष्ट्र संघ की परिभाषा के अनुसार, ग्रामीण क्षेत्रों के लोगों का शहरों में जाकर रहना और काम करना भी 'शहरीकरण' है। शहरीकरण या नागरीकरण एक ऐसी प्रक्रिया है जिसके अन्तर्गत एक समाज के समुदाय के अफाट और शक्ति में वृद्धि होती रहती है जब तक की वे सम्पूर्ण जनसंख्या अधिकांश भाग को सम्मिलित नहीं कर

## स्थलांतर

लेते हैं और सम्पूर्ण समाज पर प्रकार्यात्मक और सांस्कृतिक अधिपत्य स्थापित नहीं कर लेते। किसी राष्ट्र की जनसंख्या का बढ़ता हुआ आकार जब शहर की तरफ निवास के लिए जमा होता है। उसे मानव का स्थलांतरण कहा जाता है। मानव शहर की इस झगमगाट को देखकर शहर की तरफ आकर्षित हो रहा है।

गुजरते क्षण के साथ भारत में ही नहीं वरन् विश्वस्तर पर स्थलांतरण बढ़ता जा रहा है। स्थलांतरण आमतौर पर किसी राष्ट्र के आर्थिक विकास को इंगित करता है। मानव का शहर के पास स्थलांतरण होना इसके कुछ लाभ भी है और हानियाँ भी है एक बाज़ार अर्थव्यवस्था में, लाभ और हानि के मध्य तालमेल शहरीकरण के स्तर, गति और तीव्रता को निर्धारित करता है। वैश्विक स्तरपर, शहरीकरण दर औसत प्रति व्यक्ति सकल घरेलू उत्पाद (जीडीपी) एक दुसरे से सकारात्मक रूप से संबंधित है, लेकिन भारत की स्थिती अन्य देशों की तुलना में औरस स्तर से नीचे है। २०११ की जनगणना के अनुसार, भारत का शहरीकरण स्तर ३१% कम है, जिसका प्रमुख कारण हे स्वतंत्रता के बाद भारतीय नीती निर्माताओं ने लंबे समय तक शहरी, विकास पर विशेष ध्यान नहीं दिया था और भारत में बहुतांश लोगोंका स्थलांतरण भी हुआ था यह बात लक्ष केंद्रित करती है। भारत की जनसंख्या के बहुत बड़े हिस्से को गाँवों में निवास करता हुआ माना जाता था।

अतः ग्रामीण क्षेत्र में पर्याप्त मानव संसाधन उपलब्ध है, जिनका उपयोग शहरी क्षेत्रों के सेवा क्षेत्र द्वारा किया जा रहा है। शहरी क्षेत्र में रोजगार के अवसर को बढ़ावा दे रहे हैं जिस कारण बेरोजगारी बढ़ रही है। सरकार की ओरसे मनरेगा जैसी योजनाएँ चलायी जा रही हैं तथा औद्योगिक क्षेत्रों में सरकारी नियंत्रण कर दिया गया और स्थानीय स्तर पर कुटीर उद्योगों को बढ़ावा देने के लिए विभिन्न योजनाएँ चलाई गयी। जिसने शहरीकरण को सीमित कर दिया। यह माना जाता है कि शहरीकरण और औद्योगिकीकरण अत्याधिक सहसंबद्ध है। शहरीकरण उत्पादकता को बढ़ाता है, अधिक प्रतिभाशाली श्रमिकों को आकर्षित करता है, तथा नवाचार को, प्रोत्साहित करता है। परिणामस्वरूप रोजगार के अवसरों और आय के स्तर में भी सुधार होता है। आज एकवीसवी सदी में शहरीकरण का इतना विकास होने पर मानव के पैर शहरके तरफ स्थलांतरित करनेमें उत्साहित है। जितनी फॅसिलिटीज शहर में आज उपलब्ध है उतनी गाँव में नहीं है इसलिए भी मानव का स्थलांतर शहर के पास होने का कारण होगा।

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मुझे भुख लगी है

नवचेतना का अंकुश, अमावस के चाँद का प्रकाश है  
तब ही जलती हुई दिए की बाती  
बोलती है, दो बूँद तेल मुझमें भी डाल दो  
मुझे भुख लगी है।

गर्भ में पल रहा बालक, गर्भ अवस्था में  
श्रमधारी महिला से विचारविमर्ष कर बोलता है,  
माँ मुझे भुख लगी है

उसी पर माँ उत्तर देती है, बहती हुई धारा, खारे पानी की  
रही है तेरा सिंचन, यही है तेरे भुख की प्यास,  
यही है मेरे प्यार का आनंद इसी से तो बनेगा तू विवेकानंद  
सफर की कगार आगे बढ़ाते है,

इस भुख को और मिटाते है

राजनैतिक आकांक्षा के भूखे

इच्छाधारियों को दुध पिलाते है।

आगे बढ़ते चला एक पुलिया के निचे

एक परिवार दिखा कुछ बेचकर

अपना पेट भरता दिखाकर

रिते हुए ग्लास को चाटता दिखा

इस भुखमरी को मिटाना है

उस ग्लास को भरकर उसे दिलाना है

फिर शायद वो अपने माँ से ना कहे,

मुझे भुख लगी है।

शिक्षा के मंदिर में भी भुख स्वार्थ की रहती है,

कुछ लेने अभिलाषा और एक दुसरे के स्वार्थ की

तभी हम एक दुसरे से कहते है मुझे भुख लगी है

इसी भूख को मिटाना है अपने रोटी मे से

एक टुकडा निकलता और के

पेट की भुखमरी को मिटाता है।

एक दिन ऐसा आएगा कोई ना कह पाए हमें भुख लगी है।

सफल वो दिन हो जाएगा

जब हर कोई पेट भर खाना खाएगा।

—पराग बाविस्कर  
M.Sc.(Biotech)

## स्थलांतर पक्ष्यांचे

– नंदिता अत्रे, S.Y.B.Sc



पक्ष्यांचे स्थलांतर हे पक्षीविज्ञानाचे महत्त्वाचे अंग आहे. पक्षी ऋतुबदलाप्रमाणे नियमित व शिस्तबद्ध रितीने स्थलांतर करतात. अनेक युगांपासून पक्ष्यांचे स्थलांतर मानवाला आकर्षित करीत आहे. मला समजलेली एक गंमतशीर गोष्ट अशी की म्हणजे, 'रेड इंडियन लोकांनी आपल्या दिनदर्शिकेतील महिन्यांची नावे स्थलांतरित होणाऱ्या पक्ष्यांच्या आगमनावरून ठरवली आहेत.

पण पक्ष्यांचे स्थलांतर म्हणजे नेमके काय? तर पक्ष्यांच्या स्थलांतराची व्याख्या Dr. Condsbarough Tomson यांनी अगदी नेमक्या शब्दांत केलेली आहे. ते म्हणतात, "वेळोवेळी व सारखे-सारखे एकाच दिशेने होणारे निवासस्थानातील बदल जेणेकरून प्रकृतीमध्ये बदल उपलब्ध होतील. ह्यालाच (पक्ष्यांचे) स्थलांतर म्हणतात.

आता स्थलांतर म्हणजे काय हे तर कळले पण मग पक्षी स्थलांतर का करतात? पक्षी हे उष्णरक्तीय अर्थात Worm blooded आहेत. उष्णरक्तीय म्हणजे असे सजीव जे आपल्या शरीराचे तापमान हवामानाप्रमाणे बदलू शकत नाहीत. त्याचप्रमाणे शरद ऋतुत जेव्हा अन्नाचा अभाव जाणवू लागतो. तेव्हा पक्ष्यांना स्थलांतरित व्हावे लागते. स्थलांतराद्वारे पक्ष्यांना दोन प्रतिकूल ऋतुत अनुकूल वातावरण प्राप्त होते. एका ठिकाणी पक्षी निवास व प्रजनन करतात तर दुसरीकडे भोजन व विश्राम करतात. मुख्यतः

स्थलांतर हे उत्तरेकडून दक्षिणेकडे केले जाते. कधीकधी पूर्वेकडून पश्चिमेकडे पण केले जाते. स्थलांतर काही किलोमीटर ते काही हजार किलोमीटरसुद्धा असू शकते. सगळ्यात दूरवरचे स्थलांतर उत्तर ध्रुवीय कुररी (Arctic tern) करतात. वर्षातून दोन वेळा हे पक्षी स्थलांतरित होतात. उत्तर ध्रुवावर जेव्हा थंडी असते. तेव्हा कुररी पक्षी दक्षिण ध्रुवाच्या दिशेने प्रस्थान करतात. दक्षिण ध्रुवावर येतात. अशाप्रकारे हे पक्षी एकूण ३६,२१२ किलोमीटरसुद्धा प्रवास एका वर्षात करतात.

सुमारे १५९ प्रजातींचे पक्षी स्थलांतर करून भारतात येतात. त्यामुळे थापट्या, नकटा, शेंडीबदक, लालसरी, थोरले व धाकटे मराल, तरंग, गडवाल, चक्रवाक ही बऱ्याच तसेच कदंब व पट्टाकादंब हे गूज येतात. चमचा, अवाक, तुतवार, रोकाप्या, कारंडव, उचाट, सोनचिलखा, कुरव असे पाणथळीचे पक्षीही येतात. तसेच गप्पीदास, कस्तुर, शंकर, धोबी, क्रॉच हे या पक्ष्यांबरोबरच दलदल ससाणा, शिक्रा, कवड्या, हारिण, तीसा, रमेन कुकरी खरुची हे शिकारी पक्षीही येतात.

अलिकडे संशोधनातून असे सूचित होते की पक्ष्यांच्या स्थलांतराला दिवसाचा कालावधीतील बदल कारणीभूत होतो. दिवस जसा लहान व मोठा होतो. तसा त्याचा पक्ष्यांच्या शरीरातील पीयूष (pituitary) व पिनीअल ग्रंथींवर परिणाम होतो. त्यामुळे

पक्षी अस्वस्थ होतात व योग्य वेळ आली की स्थलांतर करतात.

आता आपण हे जाणून घेऊ की पक्षी स्थलांतर लक्षस्थान कसे ठरवतात? आणि तेथपर्यंत पोहचतात कसे? त्यांना मार्ग कसा समजतो? सापडतो? स्थलांतराचे लक्षस्थान पक्षी कशाप्रकारे निर्धारित करतात हे अनेक प्रयोग व परीक्षणातूनही अजून नीट समजू शकले नाही.

शरत्कालीन आवासक्षेत्रात शरद ऋतूत वास्तव्य केल्यावर वसंत ऋतूत प्रजनन क्षेत्र अथवा ग्रीष्म आवास क्षेत्रात वयस्क नर प्रथमतः येतात त्यांच्या मागोमाग वयस्क मादी व शेवटी अवयस्क पक्षी दाखल होतात. पण शरदात हाच क्रम उलटा होतो. दक्षिणेची यात्रा मोठ्या इतमानाने व थांबत थांबत केली जाते.

पक्ष्यांच्या स्थलांतराचा उड्डाणमार्ग निश्चित असतो. पक्षी त्यासाठी सूर्य, तारे यांच्या स्थितीचा, तसेच होकायंत्राप्रमाणे पृथ्वीच्या चुंबकीय क्षेत्राचा मागोवा घेतात असे अभ्यासात दिसून आले आहे. जमिनीवरच्या खुणांची स्मृती ठेवण्याची क्षमताही त्यांना असावी. असा अंदाज आहे. स्थलांतर करणारे काही पक्षी लांब पल्ल्याची उड्डाणे करतात. असे दीर्घ पल्ल्याचे उड्डाण करण्यापूर्वी त्यांना पुरेसे खाद्य खाऊन ऊर्जा पुरविणाऱ्या चरबीचा साठा करून घ्यावा लागतो. काही पक्षी अधूनमधून अल्पकाळ थांबून अन्नग्रहण करतात. स्थलांतर करणारे पक्षी बहुदा इंग्रजी (V) व्ही अक्षराप्रमाणे उड्डाण करतात. अशा रचनांमुळे उड्डाण करताना त्यांना लागणाऱ्या ऊर्जेची बचत होते. खरच ही पक्षी स्थलांतराची माहिती आपल्याला किती थक करणारी व मनोरंजक आहे.

### I WONDERED LONELY AS A CLOUD

-William Wordsworth

*I wondered lonely as a cloud*

*That floats on high over vales and hills,  
when all at once I saw a crowd,*

*A host of golden daffodils,  
Beside the lake, beneath the trees  
Fluttering & dancing in the breeze*

*Continuous as the stars that shine  
And twinkle on the milky way,  
They stretched in never ending line  
Along the margin of a bay  
Ten thousand I saw at a glance*

*The waves beside them danced; but they  
out did the sparkling waves in glee  
A poet could not but begay  
In such a jocund company  
I gazed and gazed but little thought  
What wealth the show to me had brought*

*For oft, when on my which I lie  
In vacant or in passive mood,  
They flash upon that inward eye  
which is the bliss of solitude  
And then my heart with pleasure fills  
And dances with the daffodils.*

- Anagha Bhangale  
F.Y.B.A. (Compiler)

### एक सुंदर क्षण

अथांग अशा आकाशात  
पापणी उघडून पाहावी  
अन् तिचा चेहरा दिसावा

सोबत कोणी नसताना  
तिची हाक ऐकू यावी  
असा तिचा आवाज असावा

लांबलचक तिच्या केसामध्ये  
हात माझे फिरवताना  
तिचा हसरा चेहरा दिसावा

कोवळी तिची काया  
अन् भावूक तिचे नयन  
आठवणींचा आरसा सोबत असावा

नाजूक तिच्या बाहूंमध्ये  
मला थोडी जागा असताना  
असा निखरा तो प्रसंग दिसावा

आठवणींचे काहूर पेटताना  
नयन दोघांचे ओलावलेले  
असा एक सुंदर क्षण असावा

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वैष्णवी भरत फडतरे  
F.Y.B.A.

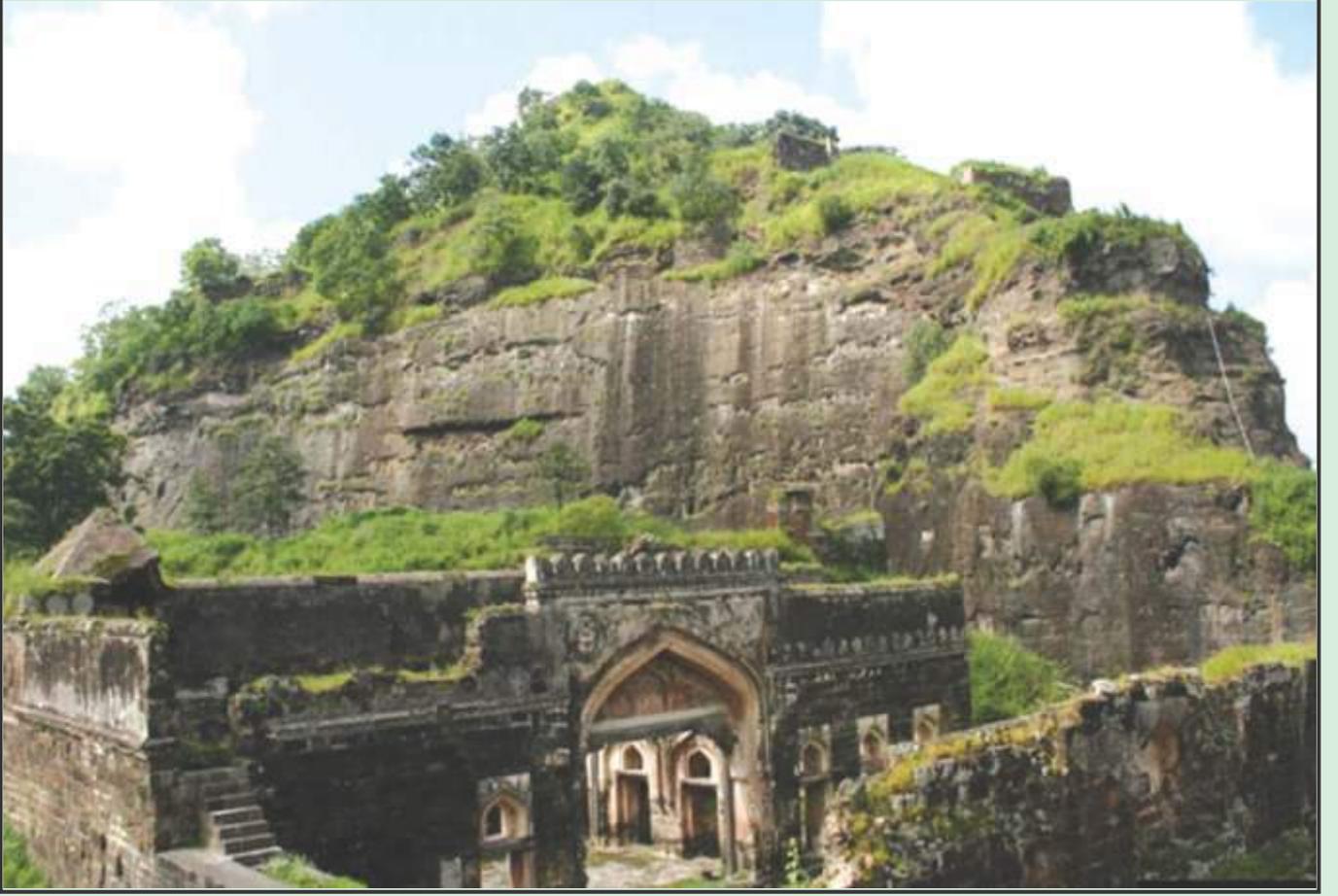
## स्थलांतरण : इतिहासाच्या पानांवरून

- यश मेश्राम SYBA

प्रारंभी मुख्यत्वाने अन्नाच्या शोधत भटकणाऱ्या मानव प्रजातीला सुमारे आठ ते दहा हजार वर्षांपूर्वी शेती करण्याचे ज्ञान आत्मसात झाले आणि मग त्याची ही भटकंती थांबून स्वतःच्या रक्षणासाठी एकत्रित सामूहिकपणे वास्तव करणे सुरु झाले. म्हणजेच थोडक्यात जीवनास स्थैर्य प्राप्त झाले. मग त्यातून पुढे सुरु झाली भूखंडावर मालकी हक्क गाजवण्याची लढाई. प्रदेश वाटून घेण्यात आले. मानवाचे जीवन त्या विशिष्ट भूभागावर व्यतित होईल. अशा

सोयी उपलब्ध असल्याने स्थलांतरण ही एक सामान्य व सोपी बाब झालेली आपल्याला दिसून येते. पण पूर्वी देखील अशीच परिस्थिती होती का? तर आपणा सर्वांना याचे उत्तर ठाऊक आहे की 'नक्कीच नाही.' याची एक झलक आपण इतिहासाच्या पानावरून बघू या व तेव्हाच्या स्थलांतरणाची प्रासंगिकता आजच्या जगात मेळ खाते का याचा अभ्यास करू या.

इसवी सन १३२४ ते १३५१ च्या दरम्यान दिल्ली सल्तनतचा



जवळपास सर्व मूलभूत सुविधा त्या प्रदेशात उपलब्ध असायच्या. पण बदलत्या काळानुसार मानवाच्या गरजा वाढतच गेल्या व त्यांच्या पूर्ततेसाठी त्यांनी जगाच्या रेषा ओलांडायला सुरुवात केली. अगदी सामाजिक, आर्थिक ते राजकीय अशा विविध कारणांसाठी एका जागेहून दुसऱ्या जागी पालट करणे सुरु झाले. त्यालाच आपण 'स्थलांतरण' असे म्हणतो.

आज जागतिकीकरणाच्या युगात उद्योगधंदे, रोजगार, शिक्षण इत्यादी अनेक गोष्टी साध्य करण्यासाठी व दळणवळणाच्या जलद

सुलतान होता मोहम्मद बिन तुघलक. अनेक धाडसी निर्णयांनी नटलेली त्याची कारकिर्द मात्र तेवढीच अयशस्वी सुद्धा होती. म्हणूनच त्याचा उल्लेख अनेकदा 'शहाणा मूर्ख' म्हणून केला जातो. अशाच निर्णयांपैकी एक निर्णय होता तो म्हणजे राजधानीचे ठिकाण हे दिल्लीहून 'देवगिरी' (ज्याचे नामकरण नंतर दौलताबाद असे झाले) ला हलवणे. आधीच्या काळात राजधानीला अनन्यसाधारण असे प्रतिकात्मक महत्त्व होते. परकीय देशाच्या राजधानीला ताबा मिळवला की तेथील सत्ता आपल्या ताब्यात येत होती. परंतु तुर्कांचे

## स्थलांतर

सत्ताकेंद्र असलेल्या दिल्लीवर मात्र मंगोल आक्रमणाचा धोका होता. त्यामुळे या आक्रमणापासूनच बचाव करण्याची रणनीती तयार करणे आवश्यक होते. दुसरे म्हणजे तुर्काना आपले वर्चस्व संपूर्ण भारतावर प्रस्थापित करण्याची महत्त्वाकांक्षा होती. देवगिरी हे ठिकाण तुर्कचे वर्चस्व दक्षिण भारतात प्रस्थापित करण्यासाठी मुख्य आधार होते. तसेच ते मध्यभागी केंद्रित असल्याने दिल्ली, गुजरात, बंगाल इत्यादी सर्व प्रदेशांवर नजर ठेवणे सोपे होणार होते. परंतु संपूर्ण दक्षिण भागात थेट दिल्लीच्या नियंत्रणाखाली आणण्याच्या या प्रयत्नांमुळे गंभीर राजकीय अडचणी उद्भवल्या. पण आपल्या निर्णयावर ठाम असलेल्या मोहम्मद तुघलकाने सर्व विरोध मोडीत काढत, दक्षिण भारतावर चांगल्या प्रकारे नियंत्रण ठेवण्यासाठी इसवी सन १३२९ साली देवगिरीला आपली राजधानी घोषित केली.

पण हे करत असताना त्याने निर्णय घेतला की सरसकट सर्वच्या सर्व जनता ही देवगिरीला स्थलांतरित होईल. जेव्हा की आज तर्कसंगत विचार केल्यास आपल्याला असा पर्याय समोर दिसून येतो की त्याने फक्त आपला दरबार व अधिकाऱ्यांना स्थलांतरित करून नव्या जागी स्वाभाविकपणे आपली नवी राजधानी निर्माण करायला हवी होती. या निर्णयामुळे अनेकांना इच्छा नसताना देखील जबरदस्तीने स्थलांतरीत व्हावे लागले. झियाउद्दीन बरानी असं लिहितात की, शहराच्या इमारतीत एक मांजर किंवा कुत्रा देखील नव्हता, संपूर्ण शहर खाली केले गेले होते. इब्न बतूता लिहितात की, “सुलतानाने रात्री राजवाड्याच्या छतावरून दिल्लीभोवती नजर टाकली आणि जेव्हा त्याला संपूर्ण शहरात एकाही घरातून दिव्याचा प्रकाश किंवा धूर निघताना दिसला नाही तेव्हा तो म्हणाला, “आता माझे मन आनंदित झाले आहे. पुढे तो लिहितो, “सुलतानाने शोध घेण्याचा आदेश दिला असता शहरात एक आंधळा व एक लंगडा मनुष्य सापडला. तेव्हा त्या आंधळ्याला ठार मारण्यात आले तर लंगड्याला खेचत देवगिरीला नेण्यात आले व तेथे जाई पर्यंत त्याचा एकच पाय शिल्लक राहिला.” हे वर्णन जरी अतिशयोक्तीचे वाटत असले तरी यावरून आपल्याला एकंदरीत परिस्थितीचा अंदाज बांधता येतो.

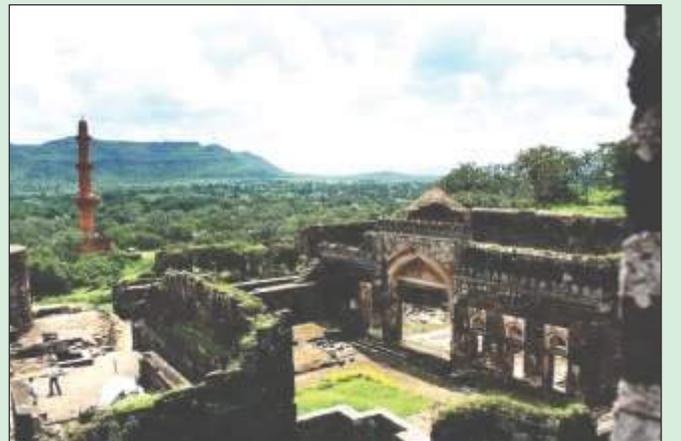
या मोठ्या प्रमाणावर स्थलांतरणासाठी सुलतानाने अनेक सोयीसुविधा लोकांना उपलब्ध करून दिल्या. जवळपास १२०० किलोमीटर व ४० दिवसांचा हा प्रवास सोयीस्कर व्हावा म्हणून रस्ते बांधणीपासून तर विश्रांती गृहांपर्यंत सोय केली गेली. तरीही उन्हाळ्याचे दिवस असल्यामुळे लोकांना अनेक हालअपेष्ट सहन कराव्या लागल्या. त्यात अनेक लोकांचा मृत्यू देखील झाला. त्यामुळे लोकांच्या मनात सुलताना विरुद्ध असंतोष निर्माण झाला.

पण अगदी काही वर्षातच सुलतानाला जाणीव झाली की त्याने घेतलेला निर्णय चुकीचा आहे. नव्या ठिकाणाहून उत्तर भारतातील आक्रमणांचा बचाव करणे कठीण जात होते. तसेच सुलताना

विरोधात बंडखोरी देखील वाढायला लागली. त्यामुळे एक-एक प्रदेश हातून निसटत चालला होता. शिवाय दौलताबाद हे ठिकाण दख्खन पठारावर असल्याने तेथे पाण्याची कमतरता होती. त्यामुळे तेथे अनेक अडचणींना सामोरे जावे लागते. शेती उत्पादन कमी होत असल्याने महसूल मिळकतीत कमतरता जाणवू लागली. दिल्ली वरून येथे स्थायिक झालेल्या लोकांना येथील वातावरणाशी जुळवून घेण्यास त्रास होऊ लागला कारण येथील तापमान हे अधिक होते. अनेकांना आपल्या जुन्या घराची आठवण येऊन या नव्या ठिकाणी उदास वाटू लागले. (ज्याला आपण इंग्रजीत होमसीक असे म्हणतो.) एकंदरीत या सगळ्यांचा विचार करता सुलतानाने आपला निर्णय फिरवत इसवी सन १३३३ साली पुन्हा एकदा दिल्लीला आपली राजधानी घोषित केले आणि परत एकदा सर्व जनतेस दिल्लीला स्थलांतरीत होण्याचे आदेश दिले. परत एकदा लोकांना परतीच्या प्रवासात अनेक प्रकारचे त्रास सोसावे लागले, यावेळी देखील अनेक लोकांचा मृत्यू झाला. त्यामुळे हे ऐतिहासिक स्थलांतर त्या काळातील प्रजेसाठी खूपच वेदनादायी ठरले होते.

आजच्या जगाशी जर आपण तुलना केली तर अनेक देशांच्या राजधान्या या त्या देशांच्या एका कोपऱ्यात असून सुद्धा त्या देशांचा राज्यकारभार हा अत्यंत सुरळीतपणे चालतो. आज प्रवासाचा वेळ हा कमी झालेला दिसतो. अगदी काही तासात जगाच्या एका कोपऱ्यातून दुसरीकडे जाणे सहज शक्य आहे. तसेच हा प्रवास सुखकर झाला आहे. विविध कारणाने स्थलांतरण केले जात असले तरी आपल्या मूळ ठिकाणच्या आग्नेयबरोबर संपर्क ठेवणे सहज शक्य आहे. एवढेच नव्हे तर व्हिडीओ कॉलच्या माध्यमातून त्यांना पाहणे, त्यांच्याशी बोलणे शक्य झाले आहे. हे सर्व आज आपल्याला घडून येताना दिसत आहे. ते केवळ मानवाने विज्ञान-तंत्रज्ञानात प्रगती करून दळणवळणाची साधने विकसीत केल्यामुळे व इतरही शोध लावून एकंदरीत सर्व प्रक्रिया सहजसोपी केल्यामुळे त्यामुळे आज स्थलांतरण ही एक सोपी बाब होऊन मानवाच्या विकासाच्या कक्षा रुंदावल्या आहेत.

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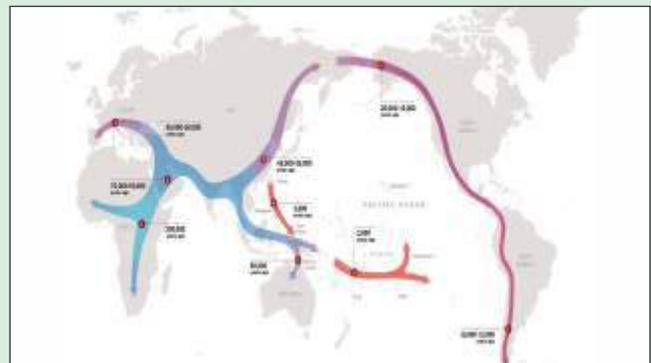
## MIGRATION IN HISTORY

Liberath Norontia, FY.Bcom

Human migration is the movement by people from one place to another, particularly different countries, with the intention of settling temporary or permanently in the new location. It typically involves movements over long distances and from the country or region to another. Historically, early human migration includes the peopling of the world, ie. migration to world regions where there was previously no human habitation, during the upper paleolithic. Since the Neolithic, most migrations (except for the peopling of remote regions such as Arctic or the Pacific) were predominantly war like, consisting of conquest or Landname on the part of expanding population.

Colonialism involves expansion of sedentary population into previously only sparsely settled territories with no permanent settlements. In the modern period human migration has primarily taken the form of migration within and between existing sovereign states, either controlled (legal immigration) or uncontrolled and in violation of immigration laws (illegal immigration). Migration can be voluntary or involuntary. Involuntary migration includes forced displacement (in various forms such as deportation, slave trade, trafficking in human beings) and flight (war refugees, ethnic cleansing) both resulting in the creation of diasporas. Early human migrations are the earliest migration and expansions of archaic and modern humans across continents and are believed to have begun approximately 2 million years ago with the out of Africa migration of homo erects. This initial migration was followed by other archaic humans including H. heidelbergensis, which lived around 500,000 years ago and was the likely ancestor of

both Denisovans and Neanderthals. Early hominids were said to have "crossed land bridges that were eventually covered in water" (History Alive, pub. 2004, TCI). Within Africa, Homo sapiens dispersed around the time of its speciation, roughly 300,000 years ago. The recent African origin paradigm suggests that the anatomically modern humans outside Africa descend from a population of Homo sapiens migrating from East Africa roughly 70-50000 years ago and spreading along the southern coast of Asia and to Oceania by about 50,000 years ago. Modern humans spreads across Europe about 40,000 years ago. Early Evasion Homo sapiens fossils have been found in Israel and Greece, dated to 194,000 - 177000 and 210,0000 years old respectively. These fossils seem to represent failed dispersal attempts by early Homo sapiens, who were likely replaced by local Neanderthal populations. The migrating modern populations are known to have interbred with local varieties of archaic humans. After the last Glacial Maximum, North Eurasian population migrated to the Americas about 20,000 years ago. North Eurasia peopled after 12,000 years ago, in the beginning Holocene. Finally Polynesia was peopled within the past 2000 years in the last wave of the Austronesian expansion



## वैचारिक स्थलांतर : काळाची गरज

- वैभव रमेश कदम FYBA

स्थलांतर म्हणजे काय आहे? आपल्यासारख्या सामान्य माणसाला स्थलांतराची एकच व्याख्या माहिती आहे ती म्हणजे एक व्यक्ती किंवा व्यक्तीचा समूह, ठराविक काळासाठी किंवा कायमस्वरूपी एका ठिकाणाहून दुसऱ्या ठिकाणी वास्तव करण्यास जातात. त्याला स्थलांतर असे म्हणतात. पण आज आपण २१व्या शतकात जगत आहोत. आपण सर्व प्रकारच्या स्थलांतराला वाव दिला पाहिजे म्हणजे स्थलांतर यापलीकडे जरा विचार केला तर २१व्या शतकात सर्व देश मोठ-मोठी उंची गाठत आहेत. त्यात भारताचा देखील समावेश आहे. पण या ठिकाणी फक्त स्थलांतरच महत्त्वाचा मुद्दा नाही. तर आपल्या विचारांचे देखील

आपण स्थलांतर केले पाहिजे, हिच आधुनिक काळाची गरज आहे. आज शहरात स्त्री भक्कमपणे उभी आहे पण आजही ग्रामीण भागात स्त्रीला तिचे स्थान मिळत नाही. तसे तर शहरी भागात व ग्रामीण भागात महिलांसाठी कागदोपत्री ५०% आरक्षण आहे. पण ते फक्त कागद पत्रांपुरतेच मर्यादित आहे. प्रत्यक्षात याची अंमलबजावणी होतच नाही याची खंत वाटते. हा झाला एक विषय.

दुसरा विषय भाषेच्या संदर्भातला आपण आजकाल पाहतच आहोत की महाराष्ट्रात मराठीतच बोलावे, इंग्रजी भाषा टाळावी असे देखील बोलले जाते व जे हे बोलत असतात. त्यांनीच त्यांच्या मुलांना मराठी शाळेऐवजी इंग्रजी माध्यमाच्या शाळांमध्ये टाकलेलं असतं. इंग्रजी भाषा ही आधुनिक काळाची गरज आहे. मी एक खूप छान वाक्य ऐकलं होतं. "इंग्रजी ही पोटाची भाषा आहे, आणि मराठी ही ओठाची भाषा आहे. माझ्यामते आपण मराठीची जपणूक केलीच पाहिजे पण त्यासोबत इंग्रजीला देखील तितकेच महत्त्व दिले पाहिजे. कारण या जगात जर इंग्रजी येत नसेल तर तुमच्या बुद्धीमत्तेवर संशय घेतला जातो. त्यामुळे मराठीची जपणूक करत-करत इंग्रजीचे धडे शिकलेच पाहिजे.

माणसाचे माणूसपण हे त्याचा विचारप्रक्रियेत आहे असे

म्हणतात. माणूस दररोज हजारो विचार करत असतो. विचारांशिवाय तो एक क्षणही राहू शकत नाही. विवेकबुद्धीने, सारासार विचाराने चांगल्या-वाईटाच्या नजरेने त्या विचारांकडे बघितले तर काही विचार हे चांगले, सकारात्मक, प्रगतीशीलतेकडे नेणारे, आनंद निर्माण करणारे व जीवन समृद्ध करणारे असतात तर काही विचार नकारात्मक, नैराश्य निर्माण करणारे असतात.

यावरून असे लक्षात येते की आपल्या विचारांवर आपली प्रगती अवलंबून असते. मार्क्स ऑरकेस हे रोमन तत्त्वचिंतक म्हणतात की "माणूस जसा विचार करतो, तसे त्याचे जीवन असते." जागृत मनाचे क्षेत्र फक्त १०% असते. तर अचेतन मनाचे क्षेत्र ९०% असते. तर

चांगले विचार ही यशाची गुरुकिल्लीच आहे असे मी म्हणेन. तरी पण काही उदाहरणावरून ठरवू की आपले विचार कसे आहेत.

आपण खूप जास्त अंधश्रद्धेचे पालन करतो. आपण जरी त्याला श्रद्धेचं नाव देतो तरी ती अंधश्रद्धाच असते आणि लोक यासाठी काहीही करायला तयार असतात. माझ्याच घरातलं एक उदाहरण बघू. शनिवारचे केस नाही कापायचे. रात्रीचे नखे नाही कापायचे. लिंबावरून ओलांडून जायचे नाही असे अनेक विचार माझ्यावर लादले जातात. पण जेव्हा मी असं का ? काही वैज्ञानिक पुरावा आहे का ? असं म्हणतो तेव्हा प्रथा आहे ती. पूर्वीचे लोक रात्रीची नखे कापत नसत कारण त्यावेळी जिव्हाळी लागण्याची शक्यता असायची. जर आपल्या घरातले मोठेच असले विचार आपल्यावर लादत असतील तर हे किती योग्य आहे ?

तसेच तृतीयपंथींबद्दल, आपल्या मनात किती तुच्छतेची भावना आहे ते जवळ जरी आले तरी आपण तिथून निघून जातो. त्यांचा तिरस्कार करतो. त्यांना घालून-पाडून बोलता व आपल्यापेक्षा लहान मुलांनादेखील त्यांच्याविषयी वाईट सांगतो. त्यांच्याजवळ जायचं नाही. बोलायचं नाही. हा विचार किती घातक, वाईट आहे. भारताच्या संविधानाने प्रत्येकाला व्यक्तीस्वातंत्र्य दिले आहे. तसेच

कलम-१५ नुसार "कोणत्याही व्यक्तीसोबत लिंग, जात, धर्म, वर्ण, भाषा यांमुळे भेदभाव करता येत नाही." सर्वांना समान अधिकार दिले आहेत. आता आपण देखील आपल्या वाईट व जुन्या विचारांचे स्थलांतर करून चांगले व नवीन विचार आत्मसात करायला हवे.

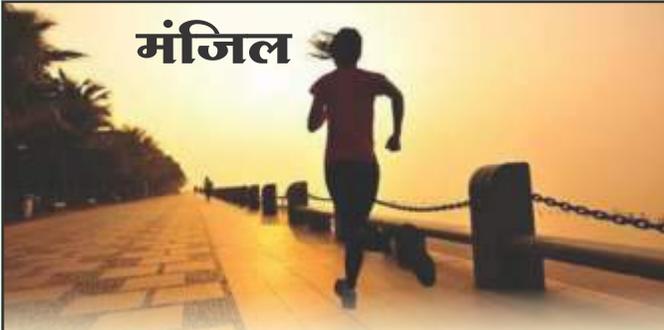
काळानुसार आपण देखील स्वतःला, स्वतःच्या विचारांना बदलायला हवे जर पूर्वीचे लोक करत होते असं म्हणून आपण पण तसेच करत राहिलो तर काहीच बदलणार नाही. एकतर त्यातला वैज्ञानिक दृष्टिकोन समजून घेतला पाहिजे. मग त्याचे पालन करायचे का नाही. याचा विचार केला पाहिजे.

खरं तर जुन्या विचारांची जपणूक करणारी माणसे आहेतच. पण

जर त्यात काही बदल करायचा असेल तर तरुणानेच याविषयांवर विचार करायला हवा व मगच निर्णय घ्यायला हवा. कारण आजचा युवाच उद्याचा देश चालणार आहे. तसेच आजचा तरुण कोणाशीही मैत्री करताना कधीच विचार करत नाही की हा मुस्लिम आहे की हिंदु आहे का ख्रिश्चन आहे ते सर्व जण एकाच ताटात खातात, एकाच कपात चहा पितात.

यामुळेच मला वाटते तरुणपिढी आपल्या विचारांचे स्थलांतर करू लागली आहे व तसेच सर्वांनीच आपल्या विचारांचे स्थलांतर करायला हवे. म्हणजे मग समाजाची वाटचाल योग्य दिशेने होईल.

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## मंजिल

वक्त है तेरे पास कम, मत मना इस बात का गम,  
लेकिन है तुझमें हिम्मत और है दम,  
रख खुदपे भरोसा, कर अपने हौसले बुलंद ।  
चाहत है तुझमें करने की अगर,  
बस करता जा, कर ना तु अगर-मगर,  
करना है तुझे जो, कर जाएगा तु वो  
रख खुदपे भरोसा, कर अपने हौसले बुलंद ॥  
सोच मत क्या होगा जिंदगी में,  
जो होगा अच्छा ही होगा, ठान ले तू अपने मन में,  
रख खुदपर भरोसा, कर अपने हौसले बुलंद ॥  
आन ले तू अपने दिल से,  
पिछे हटना नहीं, जिंदगी के मैदान से,  
खुशी मिलेगी तुझे उस दिन से,  
पहुँचेगा जब तू अपनी मंजिल पर  
रख खुदपर भरोसा, कर अपने हौसले बुलंद ॥  
मुश्किल नहीं है कुछ भी, तू सोचले अक्षर,  
होगी तेरी हर ख्वाहिश पूरी,  
तू कोशिश करे अक्षर, रख खुदपे भरोसा,  
कर अपने हौसले बुलंद ॥  
मिलेगी जीत जरूर तुझे एक दिन,  
हर खुशी तेरे कदम थामेगी,  
होगा तू भी कामयाब एक दिन,  
रख खुद पर भरोसा, कर अपने हौसले बुलंद ॥  
-अमर मणेरी, S.Y.B.Com



## असाच यावा दिवस एकदा

असाच यावा दिवस एकदा  
क्षणात सगळे विसरून आपण  
वितभर सगळ्या सुखांपासून  
दुर जावे सगळ्यापासून

अश्याच एका दिवशी  
पुन्हा जगावे जुने दिवस अपुले  
पुन्हाच काढाव्या त्या आठवणी फडताळातूनी

असाच यावा दिवस एकदा  
काढावीत जुनी पायताणे  
ज्याने दिली नेहमीच साथ  
आणि दाखविली सरळ चालणारी पायवाट

असाच यावा दिवस एकदा  
मागे सोडून सगळी दुःखे  
आनंदाने हसत डुलावे  
पाण्यात झुलणाऱ्या शेवाळ्यासारखे

असाच यावा दिवस एकदा  
मन पाखरु होऊन उडावे  
कधी वेलीवर कधी डोंगरी  
झरा होऊन मन चिंब भिजावे  
-स्मिता कदम, Office

स्थलांतर ही सतत घडणारी प्रक्रिया आहे. स्थलांतर हा शब्द ऐकल्यावर समोर उभे राहते, विस्थापितांचे चित्र, नोकरी किंवा शिक्षणासाठी प्रस्थापित होणारा तरुण वर्ग. स्थलांतर होते तेव्हा सुरु होते नववधूचे नवीन आयुष्य. अशा प्रकारे आपण स्थलांतर ही प्रक्रिया विविध दृष्टिकोनातून पाहू शकतो.

मी आज आपल्याला एका वेगळ्या स्थलांतराबद्दल सांगणार आहे आणि ते स्थलांतर म्हणजे विचारांचे स्थलांतर. विचारांच्या स्थलांतरावर जग जगते आहे. स्थलांतर झाल्यावर व्यक्ती एका ठिकाणाहून दुसऱ्या ठिकाणी जाते, तेव्हा ती व्यक्ती दुसऱ्या ठिकाणी अस्तित्वात असते.

परंतु विचारांचे जेव्हा स्थलांतर होते, जेव्हा ते एका ठिकाणाहून दुसऱ्या ठिकाणी जातात तेव्हा विचार दोन्ही ठिकाणी अस्तित्वात असतात. म्हणजेच विचारांचा प्रसार होणे, विस्तार होणे यासाठी विचारांचे स्थलांतर होणे महत्त्वाचे ठरते.

विचार ही एक शक्ती आहे. ही शक्ती केवळ मानवी प्राण्याला अवगत आहे. विचार म्हणजे व्यक्तीच्या मनामध्ये विविध विषयांबद्दल येणाऱ्या भावना, तर्क, मते अशा अनेक गोष्टी. विचार हे सकारात्मक आणि नकारात्मक असे दोन्ही प्रकारचे असू शकतात. विचारांमुळे अनेक गोष्टी घडतात आणि अनेक गोष्टी बिघडू सुद्धा शकतात. विचारांचे स्थलांतर होते तेव्हाच इतर अनेक स्थलांतरे घडून येतात.

विचारांच्या स्थलांतराचे तीन प्रकारातले वर्गीकरण करता येते.

१) काळानुरूप २) भौतिक ३) वैयक्तिक

**काळानुरूप स्थलांतर :** असे म्हटले जाते की, बदलत्या काळाबरोबर आपणही बदलायला पाहिजे. म्हणजे आपण नवीन तंत्रज्ञान व जलद गतीने कार्य पार पडतील अशी कौशल्ये आत्मसात करणे आवश्यक आहे.

समाज रोज बदलतो आहे असे म्हटले तरी वावगे ठरणार नाही. विचारधारा ही सतत बदलत आहे. संस्कृती मोठ्या प्रमाणात बदलते आहे. पूर्वी लोक देवधर्मावर प्रचंड श्रद्धा ठेवत. परंतु काही जाणकारांनी समाजाला प्रत्यक्षवादी, वैज्ञानिक विचार दिले. या विचारांचे मोठ्या प्रमाणात स्थलांतर झाले. ग्रामीण भाग नाही; परंतु



शहरी भागातील अनेक लोकांनी या विचारांचा स्वीकार केला. त्यांनी दैववादी न होता प्रत्यक्षवादी, विज्ञानवादी होण्याकडे वाटचाल केली. पूर्वी समाजाच्या स्त्रियांकडे बघण्याच्या दृष्टीकोन आणि विचार वेगळे होते. स्त्रीकडे 'चूल आणि मूल' एवढेच कार्यक्षेत्र म्हणून बघितले जाते. परंतु दुसऱ्या महायुद्धाच्या वेळी पुरुष युद्धासाठी सीमेवर गेले. त्यावेळी इतर सर्व कामे करण्यासाठी स्त्रिया घराच्या बाहेर पडल्या. त्यावेळी महिलांना आपल्या हक्कांची जाणीव झाली. काही महिलांनी स्वतःच्या कार्यक्षमतेचे स्थलांतर केले. कार्यक्षमतेच्या विचाराबाबत स्थलांतर होऊन विस्तार झाला. महिला विविध क्षेत्रात कार्यरत होऊ शकतात आणि ते काम सक्षमपणे करू

शकतात. हा विचार स्थलांतरीत होऊन सर्वत्र विस्तारीत झाला. या विचारांचे स्थलांतर होऊन 'चूल आणि मूल' हे क्षेत्र बदलून स्त्रियांनी प्रगती केली आहे. स्त्रिया राजकारणातही आता मोठे पद भूषवत असल्याचे दिसते. राहणीमानावर युरोपीय विचारांचा प्रभाव पडला आणि कालांतराने आपल्या सर्वांच्याच राहणीमानामध्ये बदल घडून आला. साडीपासून शॉर्ट स्कर्ट आणि धोतर पासून हाफ पॅट हा प्रवास विचारांच्या स्थलांतरामुळेच घडून आलेला आहे. वरण भातापासून पिझ्झा आणि बर्गर पर्यंत आलेली आपली खाद्य संस्कृती बदलली आहे. हे सर्व केवळ विचारांनी झालेल्या स्थलांतरामुळेच घडून आले आहे.

**भौतिक स्थलांतर :** या स्थलांतरामध्ये व्यक्तीच्या अवतीभवती असणाऱ्या व्यक्ती, वस्तू, परिसर, घटना या मधून विचार तयार होतात. हे विचार अवतीभवतीच्या या सामग्रीवर म्हणजेच भौतिक घटकांवर आधारित तयार झालेले असतात. आपण गांधीर्याने विचार केल्यास यामध्ये देखील अनेक स्थित्यंतरे घडली आहेत. असे दिसून येते. याबाबत एखाद्या व्यक्तीच्या मनात काही विचार तयार होतात, व्यक्ती ते विचार इतर व्यक्तींना सांगते, ज्यांना विचार पटतात ते त्याचा स्वीकार करतात हे विचार अशा प्रकारे सर्वत्र पसरतात आणि संबंधीत विचाराचा विस्तार होतो. त्यामुळे या प्रकारच्या विचाराच्या स्थलांतराला विचारांचे भौतिक स्थलांतर असे म्हणता येईल.

यामध्ये अजून एक बाब तयार होते. भौतिक गोष्टींमधून आपले

विचार तयार होतच असतात. परंतु त्याचे स्थलांतर देखील भौतिक बाबींमधूनच होत असते. आपण समाजातील प्राणी आहोत. आपण अधिक काळ एकटे राहू शकत नाही. आपण विविध कारणांनी एकत्र येत असतो. सण-समारंभ, कौतुक-समारंभ, सांस्कृतिक कार्यक्रम, पार्टी करणे यामधून आपण एकमेकांना सतत भेटत असतो. अशा प्रसंगी अनेक विषयांवर गप्पा मारल्या जातात. विचार प्रसारीत होत राहतात. सिनेमा, राजकारण, संगीत, नृत्य, आरोग्य अशा अनेक प्रकारचे विषय असतात. या बदलचे अनेक अनुभव विचार एकमेकांना सांगितले जातात. त्यातून अनेक विचार तयार होतात, तसेच विचारांचे स्थलांतर होत राहते.

आपण सर्वच जण आता प्रसारमाध्यमांचा मोठ्या प्रमाणात वापर करत असतो. प्रसारमाध्यमे ही एक मोठी यंत्रणा आहे, जिच्याद्वारे आपले विचार बदलतात, आणि ते सर्वदूर पसरतात. चर्चासत्रे, लघुपट, जाहिराती या अत्यंत आकर्षक पद्धतीने केल्या जातात. त्यातून विचारांवर प्रभाव पडत जातो. विचारसरणी बदलण्यात आणि एक विचार संपूर्ण समाजापर्यंत पोहोचवण्यात प्रसारमाध्यमे तीव्र गतीने कार्यरत असतात.

समाज झपाट्याने बदलत आहे. पूर्वी बालविवाहाची प्रथा होती, त्यानंतर आरोग्य, समाज या अशा अनेक बाबींचा विचार करून शासनाने मुलीचे लग्नासाठीचे वय १८ वर्ष पूर्ण आणि मुलाचे वय २१ वर्ष पूर्ण असे ठरवले. परंतु आजच्या घडीला हे विचार मोठ्या प्रमाणात बदलतांना दिसताहेत. हल्ली तरुण मुले-मुली विवाह न करता एकत्र राहणे पसंत करतात. त्याला सध्याच्या भाषेत 'लिव्ह इन रिलेशनशिप' असे म्हणतात आणि त्याचे आई-वडील, आजी-आजोबा आणि इतर समाजातील व्यक्ती तरुणांचा हा विचार मान्य करून स्वीकारू लागली आहेत. यामध्ये अजून एक विचार म्हणजे आरोग्य आणि स्त्रीची मासिक पाळी या गोष्टींबाबत जागरूक राहून लवकरात लवकर आपत्य जन्माला घालण्याचा आग्रह धरला जात असते. परंतु आता ही परिस्थिती बदलतांना दिसते. मूल जन्माला घालावे का? कधी जन्माला घालावे. 'मूल जन्माला न घालता बालकाला दत्तक घेणे, त्यातून त्या बाळाच्या पोषणाची जबाबदारी घेऊन बालकाला मायेचे आई-वडील कुटुंब, घर द्यावे हे विचारही तयार होऊन लोक त्या प्रकारे वागू लागली. कोणत्याही विचारांचे स्थलांतर होतांना तो विचार कोठेतरी निर्माण होत असतो. अनेक विचारांची स्थित्यंतरे युरोपिय देशातून झाल्याचे अभ्यासांती लक्षात येते.

**स्वविचारांचे स्थलांतर :** हे विचारांचे स्थलांतर अत्यंत महत्त्वाचे आहे. कारण हे स्थलांतर अशा प्रकारचे स्थलांतर आहे. ज्यामधून व्यक्ती स्वतःला घडवतो. हे घडवणे किंवा घडणे यासाठी येणारे

विचार वेगवेगळ्या मार्गांनी तयार होतात किंवा वेगवेगळ्या मार्गांनी आपल्यापर्यंत स्थलांतरीत होत असतात. हे विचार तयार होतांना शिक्षण हा एक मुख्य घटक मानला जातो. आपले जीवन विविध शास्त्रांचा मेळ आहे. ही शास्त्रे बदलली. शास्त्रांना नवीन विचार मिळाले, की ते विचार सर्वसामान्य व्यक्तीपर्यंत स्थलांतरीत होऊन येत असतात. शास्त्रात अनेक गोष्टी बदलल्यावर मानवी स्वभावाप्रमाणे नवीन करून पाहण्याची उत्सुकता मानवी विचार बदलते आणि नवीन गोष्टी आत्मसात केल्या जातात.

अपडेट राहणे, अधिकचे ज्ञान संपादित करून स्वतःला बौद्धिक क्षेत्रात सिद्ध करणे, हे प्रत्येकच व्यक्तीला वाटत असते. त्यामुळे हे ज्ञान प्राप्त करण्यासाठी लोक विविध मार्गांचा अवलंब करत असतात. पूर्वी लोक घडामोडींसाठी वर्तमानपत्र वाचत, विविध पुस्तके वाचून ज्ञान मिळवत असत. मनोरंजनासाठी कथा, कादंबरी, कविता वाचन करत, एकमेकांना भेटून गप्पा मारत असत. परंतु तंत्रज्ञानाचा शोध लागला. ज्ञान, प्राप्त करण्याची आणि करमणूकीची साधने बदलली पुस्तकांचे ओझे बाळगून सर्वत्र वावरण्यापेक्षा मोबाईल, लॅपटॉप जवळ ठेऊन त्यामध्ये अनेक ॲप्लीकेशन डाऊनलोड करून त्याद्वारे वाचन करणे, करमणूक करणे सुरू झाले. तंत्रज्ञानाचा वापर करणे हा विचार जगभर स्थलांतरीत झाला. या विचाराचा लोकांनी स्वीकार केला.

स्वतःच्या विचारांनी स्वतःचा विकास साधता येणे ही एक खूप मोठी गोष्ट आहे. विचार ही शक्ती केवळ मानवप्राण्याला आहे. या विचारांनी स्वतःचा आणि पर्यायाने सभोवतालच्या लोकांचा आणि समाजाचा विकास साधणे आवश्यक आहे. मानवाने स्वतःमध्ये स्वतःच्या विचारांनी अनेक सुधारणा घडवून आणल्या यामध्ये वेशभूषा, राहणीमान, खानपान, वागणूक पद्धती, शिक्षण, संस्कृतीक घटक इ.चा समावेश होतो. नवीन गोष्टींचा स्वीकार करणे म्हणजे खरे विचारांचे स्थलांतर झाले असे म्हणता येईल.

आपल्या मनात निर्माण झालेल्या भावनेचे किंवा दुसऱ्या व्यक्तीने दिलेल्या एखाद्या विचाराचे मनन, चिंतन करून ते दुसऱ्यापर्यंत पोहोचवणे यातून वैयक्तिक पातळीवर विचारांचे स्थलांतर घडून येत असते.

वैचारीक स्थलांतर ही खूप मोठी गोष्ट आहे. यामुळे केवळ व्यक्ती नाही, तर संपूर्ण जगाला एक नवी दिशा मिळते. या विचारांच्या स्थलांतरामुळेच अनेक चांगले-वाईट बदल घडून येतात. विचारांच्या स्थलांतरासाठी अत्यंत महत्त्वाची गोष्ट म्हणजे व्यक्त होणे, आपल्या भावना, विचार, मते इतरांपर्यंत गतिशील प्रक्रिया असून संपूर्ण जग बदलून टाकण्याचे सामर्थ्य केवळ वैचारिक स्थलांतरामध्ये आहे.

## अंतर्मुख करणारे स्थलांतरीतांचे प्रश्न

- ऋषिकेश खोटे F.Y.B.A.

कधी पोटासाठी, कधी युद्धामुळे माणसे पाठीवर बिदार होऊन नव्या आबादान्यांच्या आणि आशियानाच्या शोधात फिरतच राहिली हा माणूस नावाच्या प्राण्याचा इतिहास आहे. पण हेच त्याचे वर्तमानही असावे? आजही माणसाला असे जगण्याची चार कोरके मिळावेत. म्हणून आपली मुळे खुडून काढणे भाग पडावे? आजही माणसाला चार बाटल्या पाण्यासाठी आपली पांढरी आपली शेती मागे टाकून शहरांकडे तोंड करावं लागतंय! ऋग्वेद काळ ते एकविसावे, फोर-जी आणि स्मार्टफोनचे शतक यातला हा एवढाच धागा पक्का राहावा? आभाळाच्या कुशीत काळी माती दाटून शेतात येताच. एसटीने, रेल्वेने गावपरतीला लागलेले दुष्काळग्रस्तांचे तांडे या अशा अनेक प्रश्नांचे जंजाळ उभे करीत आहेत. हे प्रश्नही त्या आंधळ्याच्या कथेतल्या हत्तीसारखे पुर्णतः कोणाच्याही कवेत न येणारे म्हणूनच त्यांची उत्तरेही अशीच पाहता पाहता हाताच्या मुठीतून रेतीसारखी ओघळून जाणारी.



बहुधा म्हणून कोणी या प्रश्नांच्या नजरेला नजर भिडवीत नसावे. तसं नसते तर झाडांच्या पानांवर साठलेली उन्हाळी धूळ पावसाच्या पहिल्या चार थेंबात विरघळून जावी. त्याचप्रमाणे दुष्काळ आणि दुष्काळग्रस्तांची चर्चाही मोसमी पावसाच्या अंदाजवार्तामध्ये अशी मागे पडली नसती. विदर्भ-मराठवाड्यातून मुंबई-पुण्यातल्या उड्डाणपुलांखाली येऊन ब्रिजवासी झालेली ती माणसे त्यातली काही गावाच्या ओढीने परत गेली. आपण मोठ्या थाटात त्यांचे निरोप समारंभ केले. माध्यमातून ते झळकले. गल्लीचौकातल्या फलकावरून आपल्या दातृत्वाचे सचित्र पोवाडे गायले. याला कोणी स्वार्थातला परमार्थ म्हणेल. कोण्या पुढ्याने तो साधला. म्हणून काही पाप नाही केले. त्याला का म्हणून नावे ठेवायची? पण तरीही ती माणसे परतली त्याहून किलीतरी माणसे असाच शहरांच्या सिमेंटी अजगरांनी गिळली, त्यांचे काय हा प्रश्न राहतोच. कालपरवापर्यंत आपल्या रानात, आपल्या वावरांत ताठ कण्याने राबणारी ती माणसे. आज शहरातल्या कामगार नाक्यावर गुडघ्यात माना घालून बसलेली

दिसतात. त्यांच्याबद्दलही कोणाच्या व्हॉट्स अॅपवरून संदेश फिरतात?

हा केवळ दुष्काळासारख्या आपत्तींनी स्थलांतर करावे लागलेल्या समूहाचाच सवाल नाही. असा आपल्या चुलीमध्ये पाणी ओतून गावमाती सोडण्याचा प्रसंग येतो तो केवळ अस्मानी संकटांनीच असेही नाही. लोकशाहीतही सुलतानी संकटे येतातच कधी ती सामाजिक अन्यायाच्या रुपाने ती येतात. कधी अधिकांचे अधिकते भले. या न्यायाने येतात. बदलता देश पाहण्यासाठी आतुर झालेल्यांच्या ब्रॅडेड गॉंगलांमधून हे रखरखीत जग जास्तीत सौम्य शीतल होऊन येते. त्यांच्या मेंदूला ते भीडतच नाही. म्हणून ते अस्तित्वातच नाही. असे ज्यांना मानायचे यांनी ते खुशाल मानावं, पण मग शहरातल्या झोपडपट्ट्या का वाढत चालल्या आहेत, हा सवाल त्यांनी करू नये. शहरातल्यात या झोपडपट्ट्या म्हणजे आपल्याच विकास विजयाची स्मारके आहेत. विकासाला कोणालाच विरोध असणार आहे? ती तर सगळ्यांनाच हवा बिनसडकेच्या त्या खेड्यात अंधारालाही उजेडाची आस असतेच. आपल्याला मुठीत जग असावे टू-जीचे हे त्यांचेही स्वप्न असते. पण त्या विकासापायी होणाऱ्या विस्थापनांचे काय? विस्थापितांच्या पुनर्वसनाचे काय? या पुनर्वसन नं झाल्याने होणाऱ्या स्थलांतराचे काय? या प्रश्नांची या मॉल मध्ये उत्तरांची दुकान नाहीत म्हणून फेसबुकच्या भिंतीवरून चर्चा कोण करणार? तशा चर्चा तर युद्धामुळे होणाऱ्या स्थलांतरांची

अधिक व्हायला हवी. देव, देश आणि धर्मांमुळे होणारा ही युद्ध आणि दहशती कारवाया काश्मिरातले हिंदु पंडित तसेच सीरिया, इराण, अफगाणिस्तान मधले मुस्लीम, सारेच या दहशतीचे बळी जीव वाचविण्यासाठी अन्य कुठे तरी जायचे. तेही जीव धोक्यात टाकून आणि तेथेही आपल्याला कोणी आकाश देईल याची खात्री नाही. आपल्या अवकाशात बाहेरचा रानपक्षीही आला तरी दचकणारे. घाबरणारे, बिथरणारे आणि आक्रमक होणारे आपण. स्थलांतरीतांना कोण सामावून घेणार आपल्या वस्त्यांमध्ये? तरीही कधी तरी एखाद्या आयलान कुर्दी नावाच्या चिमुरड्याचा मृतदेह तुर्कस्थानातल्या समुद्रकिनार्यांवर वाहत येऊन वाळून पडतो. त्याचा छायाचित्र पाहून प्रेक्षकांचे हृदय द्रवते. काही दिवस जोरदार चर्चा होत आणि मग वेग वेगाने आलेली उंच लाट किनाऱ्यावर

धडकून फेस फेस होत विरून जावी तसे सारे शांत होते. दिल्ली-मुंबईतल्या उड्डाणपुलाखाली ओंडक्यापुढे ओंडके मांडावे अशा प्रकारे निजलेल्या शुष्क दुष्काळग्रस्तांची वर्तमानपत्राची छायाचित्रे भावना हेलावून टाकणारी, कधी कधी भावना भडकावणारी अशा विवेकाला, विचाराला स्थान नसते. ही विस्थापने ही स्थलांतरे होतात कशाने त्याला जबाबदार कोण हे जाणून घेण्याची आसही नसते.

वस्तुतः कोणालाही आपले गाव, आपले आंगण सोडणे भाग पडावे वाईटच, प्रश्न एवढाच आहे की स्थलांतरांच्या इतक्या वार्ता आल्यानंतर त्या चर्चासाठी आपली तयारी आहे का ?

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## ईन्सान

तू पैदा हुआ यहाँ, या पैदा हुआ वहाँ,  
तेरे निर्माण से झूम उठा जहाँ  
नाम दिया तुझे ईन्सान यहाँ ।

पहुँच गया तू चाँद पर आज  
हासिल की तुने बुलँदिया,  
जिसके सहारे आसमान हूँ लिया  
उस कुदरत का भी गला घोंट दिया ।

कहते होंगे सभी बुद्धिमान तुझे  
मगर तू ही रोबोट बन गया  
मतलब क्या तेरी होशियारी का  
धर्म के नाम पर तू हैवान बन गया ।

हिंदू-मुस्लिम, शीख-ईसाई  
मिट्टी की सारी मूर्तियाँ,  
मिलना है सबको मिट्टी में एक दिन  
क्या ? मौत ने किसी को बक्श दिया ।

बच्चे है सभी कुदरत के  
फिर उँच-नीच किसने बना लिया,  
बन गई धरती समशान  
ईन्सानियत को भी दफना दिया ।

जाग उठ इस अँधकार से  
यही वक्त है कुछ करने का,  
जन्नत बनेगा जहाँ एक दिन  
होगा राजा तू इस जन्नत का ।

- आकाश खोपे  
F.Y.B.A.

## DREAM OF A WORLD

*Lying under the sky I was looking up high...  
Clouds stays and other celestial objects  
reminded me of many philosophical subjects...*

*There was silence all around  
a background music of insects  
Those sand in rhythm and  
made a pleasant sound...*

*Lying under the sky I was looking up high...*

*All memories of childhood rushed up my spine.*

*When in summer nights  
we used to sleep under the sky  
leaving the world far behind...  
There was peace in that chaos,  
I don't feel same anymore,  
I don't feel same anymore.*

*I would ask the universe or the cosmos for help but*

*I've already asked for more...  
I would ask help to the people  
walking towards me but I won't....*

*If it were in my hands,  
I would paint my world silent....  
If it were in my hands, I would go back to me....  
Lying under the sky...I was looking up high....*

-Aditi Tare, T.Y.B.A

## स्थलांतराचे सामाजिक प्रश्न...!

- ऐश्वर्या कुलकर्णी F.Y.B.A



एक व्यक्ती किंवा व्यक्तींचा समूह, जेव्हा एका ठिकाणाहून दुसऱ्या ठिकाणी काही काळासाठी किंवा जास्त काळासाठी जाणे म्हणजे 'स्थलांतर' होय. चौकस बाजूनी विचार करायचा झालाच तर स्थलांतराचे परिणाम सामाजिक, सांस्कृतिक, आर्थिक आणि भौगोलिक या चारही घटकांवर होत असतो.

सामाजिक परिणाम बघायला गेलो तर, आत्ता सध्या सगळीकडे चर्चेत असलेला नागरिकत्व कायदा. ह्या निर्णयामुळे समाजात बरच काही घडतय...! सांस्कृतिक परिणाम बघायला गेलो तर, आसाम, बांगलादेश स्थलांतरितांचा मुद्दा आहे. बांगलादेश मधुन आलेले लोक हे आसाममध्ये वसायचा प्रयत्न करत आहेत. परंतु आसाममधील लोकांना अशी भीती सतत वाटते की, त्यांची संस्कृती त्यांची मुळ भाषा याला धोका निर्माण होत आहेत. भौगोलिक गोष्टींकडे बघायला गेलो तर जास्तीत जास्त स्थलांतर हे मैदानी भागाकडे तसेच संसाधनांच्या उपलब्धतेवर अवलंबून आहे; असं दिसून येतं. मैदान भाग आला म्हणजे तिथे वाहतूक व्यवस्था, कारखान्यांची उपलब्धता यावरून नोकरीची संधी, अशा सगळ्या गोष्टी आढळून येतात. संसाधने उपलब्ध असल्यावर तिथे स्थलांतर होत असेल तर Utilization of resource चांगलं होतं, असं म्हणता येईल, परंतु त्याला देखील काही सीमा आहेत, वापर हा जास्त झाल्याने माणूस पर्यावरणाला हानी पोहोचवतोय, असा उल्लेख केला जातो.

हे सगळं का बघितलं आपण? तर स्थलांतराचे दोन्ही परिणाम

असतात, त्याचा समाजावर होणारा परिणाम हा चांगला तसाच वाईट देखील असू शकतो. स्थलांतराने लिंग प्रमाणात फरक आढळून येतो. लिंग प्रमाण म्हणजे काय? तर दर १००० पुरुषांमागे असलेली स्त्रीयांची संख्या भारताचा जर आपण अभ्यास केला तर कोकण भागातील अनेक पुरुष मुंबईकडे नोकरीच्या संधीसाठी स्थलांतर करत असतात, ह्या कारणामुळे कोकण भागात स्त्रियांची संख्याही जास्त आढळून येते. कार्यरत गटाचे स्थलांतर झाल्याने, याचा परिणाम कोकणातल्या विकसनशील प्रक्रियेवर होत आहे. ज्याप्रमाणे, स्थलांतराचा परिणाम लिंग प्रमाणात होतो, त्याचप्रमाणे त्याचा परिणाम जन्मदरावर देखील झालेला आढळून येतो. जन्मदर काय? तर एका वर्षात दर हजार लोकांमागे जन्माला येणारी मुले. लिंग प्रमाणात फरक आल्याने, जन्मदरात देखील फरक पाहायला मिळतो. ह्या सगळ्या गोष्टींचा एकत्रित अभ्यास केला तर एकूणच तिथल्या सामाजिक परिस्थितीची जाणीव ही आपल्याला होत असते.

सगळ्यात जास्त प्रमाणात स्थलांतर हे खेडे गावातून शहरी भागाकडे आलेले दिसून येते. ह्याचे प्रमाण जास्त का आहे बरं? खेडेगावात असलेल्या अपुऱ्या आरोग्यविषयक गोष्टी, तसेच शिक्षण, नोकरीची संधी, बरेच वेळा असलेली पाण्याची अनियमितता, गरजेच्या गोष्टींची कमतरता ह्या व अशा अनेक तक्रारींमुळे खेडे गावातून शहराकडे जास्त स्थलांतर हे आढळून येतं. ह्या स्थलांतराचे

देखील दोन्ही परिणाम आपल्याला दिसून येतात, जेथून स्थलांतर झालेलं आहे, तेथील घटकांवर कमी ताण पडतो व जेथे स्थलांतर होत आहे तेथील जीवनावश्यक गोष्टींपासून ते नोकरीच्या संधीपर्यंत, सगळ्याच गोष्टींवर ताण पडायला लागतो. मग त्या ठिकाणी स्थलांतरित व पूर्वीपासून स्थायिक असे दोन गट पडून, सामाजिक ताणतणावाची परिस्थिती तयार होते. एकाच नाण्याला दोन बाजू असतात, त्याचप्रमाणे, स्थलांतराचे देखील समाजावर व प्रत्येक घटकावर चांगले व वाईट असे दोन्ही परिणाम होत असतात.

हो! परंतु जर शहराकडून, खेडेगावाकडे स्थलांतराची संख्या

वाढवायची असेल, तर खेडेगावाचा विकास करून ही गोष्ट शक्य आहे. ही गोष्ट प्रत्यक्षात सत्यात उतरवून दाखवली आहे, असे अण्णा हजारे. महाराष्ट्रातील अहमदनगर मधील राळेगण सिद्धी हे त्यांचे गाव. त्या गावाचा खर्च मागील काही वर्षांत इतक्या प्रमाणात विकास झाला आहे की, तेथील शहराकडून, गावाकडे स्थलांतरित लोकांची संख्या वाढलेली दिसून येते. अशा प्रकारचे प्रयत्न झाले. तर स्थलांतरामुळे होणाऱ्या परिणामाचा समतोल साधता येऊ शकेल.

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## आर्थिक कारणे व स्थलांतर

- सौरभ कदम, MSc.I

स्थलांतराविषयी बोलायचे झाले तर प्रथम स्थलांतर म्हणजे नक्की काय हे समजून घेणे गरजेचे आहे. स्थलांतराच्या व्याख्या लक्षात घेणे येथे उपयुक्त ठरेल नक्की स्थलांतर म्हणजे काय? भारताच्या संदर्भात जर विचार केला तर असे दिसून येईल की, शहरी भागापेक्षा ग्रामीण भागातील लोकांमध्ये स्थलांतराचे प्रमाण हे जास्त आहे.

स्थलांतर करताना लोक मुख्यत्वे आपल्या मुळ वास्तव्याच्या ठिकाणापासून अनेक कारणांसाठी दुसऱ्या ठिकाणी जात असतात. पुर्वीच्या काळी लोक अन्नधान्याचा शोधात स्थलांतर करत आणि आज लोक शिक्षण, नोकरी व व्यापारासाठी स्थलांतर करताना दिसून येतात. मानवाच्या अस्तित्वात येण्यापासून स्थलांतर ही प्रक्रिया चालू झाली म्हणजे संबंध मानवजात ही सुरक्षित निवारा व अन्नधान्याची पुरवठा उपलब्धता इत्यादी गोष्टी विचारात घेऊनच

स्थलांतरण घडवून आणायचे. ही प्रक्रिया प्राचीन काळापासून चालू आहे. निरंतर अशी सामाजिक प्रक्रिया आहे. प्राचीन काळात निसर्गातील अचानक होणारे बदल नैसर्गिक समस्या जसे भुकंप, पाऊस, महापुर, वादळी वारे अशा पर्यावरणातील घटकाशी समायोजन साधून आपली उपजीविका भागवण्याच्या उद्देशाने मानवाचे एका जागेवरून नवीन ठिकाणी स्थलांतर होत असे यात सर्वात महत्त्वाचा मुद्दा म्हणजे मानव जातीचे अस्तित्व टिकवून ठेवण्यासाठी आणि नैसर्गिक साधन संपत्तीमध्ये असलेली असमानता लक्षात घेऊन वेळोवेळी निवासाची जागा बदलेली जात असे. स्थलांतराची व्याख्या समजून घेतल्यानंतर एक गोष्ट लक्षात घ्यायला हवी ती म्हणजे स्थलांतराचे प्रकार. प्रामुख्याने दोन प्रकार आहेत. अंतर्गत स्थलांतर व बहिर्गत स्थलांतर.

अंतर्गत स्थलांतर : जेव्हा एखादी व्यक्ती किंवा समूह ठराविक



## स्थलांतर

प्रदेशामध्ये स्थलांतर करतो त्यास अंतर्गत स्थलांतर म्हणतात. उदा. उसतोड कामगार. उसतोड कामगार, तोडणीच्या काळात एका जिल्ह्यातून दुसऱ्या जिल्ह्यात स्थलांतरीत होताना दिसतात.

**बर्हिगत स्थलांतर :** एखादी व्यक्ती किंवा समूह ठराविक प्रदेशाबाहेर जेव्हा स्थलांतरण करतो तेव्हा त्यास बर्हिगत स्थलांतर म्हणतात.

उदा. अविकसित देशाकडून विकसनशील देशाकडे विकसनशील देशाकडून विकसित देशाकडे लोक स्थलांतर करताना दिसून येतात. हे एक बर्हिगत स्थलांतर आहे.

स्थलांतराचे प्रकार समजून घेतल्यानंतर त्या स्थलांतरांना कारणीभूत घटक सुद्धा लक्षात घेणे गरजेचे आहे. म्हणजे काही वेळेस आकर्षित करणारे काही घटक असतात. तर काही वेळेस इच्छा नसताना देखील स्थलांतरीत व्हावे लागते. आर्थिक कारणे समस्या हे सध्याच्या घडीचे सर्वात महत्त्वपूर्ण कारण ठरू शकते. स्थलांतरासाठी, कारण या तंत्रज्ञानाच्या क्षेत्रात उद्योगधंद्यात भरभराट आली आहे आणि पारंपारिक उद्योग मागे पडत आहेत. त्यामुळे खेडोपाड्यातील तरुण मंडळी आज रोजची भूक भागवण्यासाठी व घरदार चालवण्यासाठी स्वतःच्या संसारासहीत गावाकडून शहराकडे स्थलांतरीत होतात. तशी स्थलांतरासाठी बरीच आर्थिक कारणे आहेत. म्हणजे फक्त धंदा बंद पडला किंवा मंदावला म्हणून स्थलांतर करण्याची वेळ येते असे नाही. याला जोड बऱ्याचशा इतर कारणांची आहे जसे की बिकट परिस्थिती, शेती व्यवसाय जर प्रमुख व्यवसाय असेल तर त्यातील होणारे नुकसान, मिळालेल्या उत्पन्नाची हमी नसणे, कर्जाची परतफेड न करता येणे. शिक्षणाचा अभाव, दुष्काळ, आर्वाषण, पुरग्रस्त परिस्थिती, अपुऱ्या रोजगाराच्या संधी, असे बरेचसे कारणे आहेत. ज्याला आर्थिक जोड आहे व ज्यामुळे मोठ्या प्रमाणावर स्थलांतर होते.

जर कुटुंब हे अशिक्षित असेल किंवा खूपच गरीब असेल अशी स्थलांतरीत कुटुंबे नंतर खूपच निम्न स्तरावरील जीवन जगताना दिसून येतात. थोडक्यात सांगायचे झाले तर श्रमिकांचे राहणीमान अतिशय निकृष्ट दर्जाचे असून बहुतांश कुटुंबे दारिद्र्य रेषेखालील जीवन जगताना दिसून येतात. विविध कामधंद्यासाठी लोक एका ठिकाणावरून दुसऱ्या ठिकाणी स्थलांतरीत होतात. त्यातील काही सांगायचे झाले तर बांधकाम व्यवसाय, विटनिर्मिती व्यवसाय, ऊसतोड कामगार, खाणकाम, रस्तेबांधणी इ. कामांमध्ये व्यस्त असलेल्या कामगारांचे स्थलांतरण हे इच्छेविरुद्ध व स्वतःच्या आर्थिक परिस्थितीला सावरण्यासाठीच होत असते.

**आर्थिक प्राप्तीसाठी स्थलांतर :** शिक्षित लोक स्थलांतर करताना ज्या क्षेत्रात जास्त पैसा मिळेल अशा क्षेत्राची निवड

रोजगार प्राप्तीसाठी करतात. आणि बऱ्याच लोकांना अंगमेहनतीची कामे जमत नाहीत. तेव्हा ते शहरातील व्यावसायिक दुकाने, किराणा दुकाने, औषधी दुकाने इ. ठिकाणी आपले काम चालू करताना ज्यावर त्यांचा उदरनिर्वाह भागवला जातो. कारण उदरनिर्वाह हे स्थलांतर करण्यामागचे मुळ कारण आहे. ज्या लोकांना शेतजमीन नाही किंवा अशिक्षित आहेत अशा लोकांना इतरांच्या शेतात कष्ट करावे लागतात. बरेचसे अल्पभूधारक शेतकरी सालगडी म्हणून इतरांच्या शेतात राबतात. बऱ्याचशा लोकांकडे व्यवसाय करण्यासाठी पशुधन सुद्धा नसते. अशावेळेस दारिद्र्य ही संकल्पना समजून घेणे उपयुक्त ठरते आणि अलिकडच्या काळात दारिद्र्य ही संकल्पना खूप चर्चेचा विषय झाली आहे. भारताच्या दृष्टीने पाहिले असता भारत सरकारने ग्रामीण व नागरी जनतेसाठी 'दारिद्र्य रेषा' निश्चित केली आहे. ज्यावर एखादी व्यक्ती किंवा परिवार किती गरीब आहे. हे कागदोपत्री सिद्ध केले जाते. त्यात आता बरेचसे गैरप्रकार आढळून आले आहेत. मात्र सरकारकडून विविध योजना अजूनही राबवल्या जातात. याचा फायदा बरेच लोक घेतात.

स्थलांतरीत कुटुंबाची कर्ज घेण्याची वारंवारित ही सुद्धा जास्त आहे आणि त्यामागील मुख्य कारण हे दैनंदिन गरजा भागवणे हेच आहे. तसेच शेतीच्या कामासाठी सुद्धा कर्ज काढले जाते. मात्र परतफेड ही सर्वात अनिश्चित बाब असते. कारण रोजच्या गरजा भागवताना मिळालेल्या रोजगारातून कर्जाकडे रक्कम परत करण्यासाठी वेगळे पैसे जमा करणे हे एक मोठे आव्हान असते आणि त्यात कर्जाची रक्कम परत न करण्यामध्ये राष्ट्रीयकृत बँका, सेवा सहकारी सोसायटी, पतसंस्था यासारख्या संस्थांची परतफेड होत नाही. मात्र सावकार, मित्र नातेवाईक यांच्याकडून घेतलेल्या कर्जाची परतफेड होताना दिसून येते. यामागे विविध कारणे आहेत. भारत सरकार अशा स्थलांतरित, दारिद्र्यरेषेखालील, कर्जबाजारी कुटुंबासाठी दरवेळी मदत पुरवते. मात्र ती कितपत पोचते याचा काही अंदाज नाही.

सरकार मार्फत किमान मोबदला, कामाच्या वेळेचे बंधन, कामगारांचे शोषण रोखणे, कामधंद्याच्या पुरक संधी, व्यवसायातील संधी इ. गोष्टी आणखी प्रकर्षाने राबवणे काळाची गरज आहे. कारण स्थलांतरासोबत प्रत्येक कुटुंबाला आर्थिक नियोजन करणे बंधनकारक आहे. त्याशिवाय जगणे कठीण तेव्हा खास स्थलांतरीत लोकांसाठी नवीन योजना राबवणे काळाची गरज आहे. निदान त्यामुळे तरी अशी प्रस्थापित कुटुंबे आर्थिकदृष्ट्या प्रबळ होतील.

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Safe migration cannot  
be limited to the  
global elite.

Arundhati Sathyan, UN Secretary General

## MIGRATION AND ENVIRONMENT CONCERNS

-Yogita Mohite, F.Y.Ccom

Migration is the movement of people from one place to another. Migration has its own advantages and disadvantages. People migrate due to a number of reasons. Migration of people from developing to developed countries will normally cause a disturbance in the environment. It will cause an absolute increase in global emissions. This will directly affect the climate. Another disadvantage of migration is greenhouse gas emissions. Though many of these gases occur naturally, some of these are produced by human activity.

Many people migrate in search of better job opportunities. This has an advantage as even urban cities get manpower and even the migrant labour gets a better standard of living. However, due to high rate of unemployment, many migrants find it difficult to get even a nominal job. This forces the

migrants to sometimes resort to illegal activities like stealing, extortion and others which increases the crime rate in the country. Therefore it can be said the migration sometimes disturbs the social environment.

If we take into consideration the positive side of migration, it is clearly seen that migration is a boon for many people as sometimes it helps to increase the growth rate and also to maintain the sustainability. When people migrate, they come to know about a lot of new things, e.g. new people, their culture, lifestyle, way of living, etc. However, many people find it difficult to find an accommodation which leads to the development of huge slums. It is found that a majority of people from slum areas are migrants. These slums are mostly situated near the seas. Therefore, they live in the danger of a rise in



the sea level. Storms, earthquakes and other disasters affect city slums more seriously than the other areas.

When people migrate from rural to urban area, there is no scope of development of the rural areas, as it loses its skilled manpower through migration. Rural people's problems remain unaddressed which hamper the growth of the rural environment. The only solution to the problem of migration is counter migration. counter migration is the return of migrants to the regions from which they earlier emigrated. Though it sounds impossible at first, but it is possible. the Government should provide

incentives for the people living in the less-development. Though plans are being made and discussed but proper implementation is pending. These incentives can be provided in the form of free education, subsidised rate of necessities and other basic facilities so that people get the benefits. These people in return will find it easier to live in these areas and would further contribute to the betterment of these areas. In India, many people have their living depended on agriculture. So, introduction of innovative and affordable technologies should be made.



### LIFE

I don't wanna live where, beauty is defined by the colour of your skin and not by the nature of your heart.

I don't wanna live where, struggle is defined by how much you cry in front of others and not by the silent battle you fight for your betterment.

I don't wanna live where people get jealous of the happy mask you put on to hide your scars.

I don't wanna live where you are defined as smart by the marks you score in an exam and not by how you handled a situation.

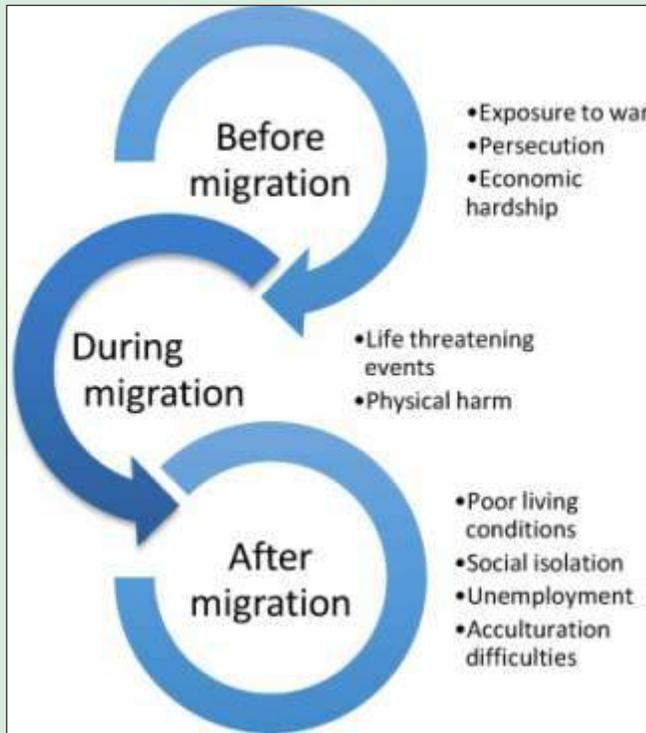
I don't wanna live where love is defined by how much you give and not by how much you help them to overcome their fears.

I don't wanna live where success is defined by how much money you earn and not by how much respect you give and earn.

**Hema Mahenrakar**  
F.Y.B.Sc (Comp.Sci.)

## MIGRATION & ITS PSYCHOLOGICAL EFFECTS

-by Pratiksha Jore, FYBA



Since the earliest times, humanity has been on the move. Some people move in search of work or economic opportunities, to join family, or to study. Others move to escape conflict, persecution, terrorism or human rights violations. Still others move in response to the adverse effects of climate change, natural disasters, or other environmental factors. While many individuals migrate out of choice, many others migrate out of necessity. In December 2000, the General Assembly proclaimed 18th December International Migrants Day (A/RES/55/93). On that day in 1990, the Assembly adopted the International Convention on the Protection of the Rights of All Migrant Workers and Members of their families (A/RES/45/158).

The history of migration is probably as long as human existence itself. Although the nature of migration has changed over time, factors that

influence immigrant's mental well-being largely remain the same. In the study of migration well-being problems can appear within the cultural, social and psychological areas. Previous studies have indicated that each of the various steps of a forced migration process (pre-migration, migration and post-migration) has its own potential negative impact that may influence the well-being of refugees in their resettlement countries. The nature of the migration problems can vary based on the reasons for the migration. If migration is a result of an ethical and political conflict, the risk that immigrants develop mental illness is higher than for immigrants who have left their homeland voluntarily.

A study has indicated that immigrants are probably more affected by mental disorder than the native inhabitants. According to previous studies, not only post-migration stress, but also pre-migration, negative life-experiences are potential sources of anxiety and depression for immigrants in the resettlement countries. As an example, Cambodian refugees who experienced war and violence under the Khmer regime developed major depression when resettled in the US. A similar study in Sweden showed that refugees who had experienced war and trauma in their home country were more likely to be affected by mental illness. A painful experience during the migration process is leaving behind one's social capital in the country of origin. This is especially true if it has been an important part of the individual's identity, which is usually the case in societies where the collective identity plays a stronger role than that of the individual one. Migrant experiences typically involve multiple traumatic events and sometimes torture. Trauma often continues during and after

migration. The regimes from which migrants flee may perpetrate violence, killings, rape, assaults, disappearances, deliberate food shortages, prohibition of traditional practices and other human rights violations. Migrant may also experience extreme isolation, humiliation, and immense losses, some of which are existential, including loss of loved ones, the homeland, culture, identity, hope, trust, meaning in life and faith in a just world. Psychological effects of these experiences may include feelings of helplessness, grief, anxiety, depression, somatisation, shame, anger, shattered assumptions, sensitivity to injustice and survivor, guilt. The most important mental health consequences are mainly stress related disorders like acute stress disorder, post-traumatic stress disorder (PTSD), anxiety disorders, depressive disorders, bereavement problems, adjustment disorders, exacerbation of pre-existing mental health problem, acute and transient psychotic episodes and illicit drug and alcohol use. The increased mental health challenges within immigrants and refugee populations may also develop due to matters of strained adjustment. Also, cultural factors can greatly affect the conception, manifestation, diagnosis, subjective experience, prognosis, family and community responses, and help-seeking patterns towards professionals. In serious cases, a loss of cultural identify can result in higher incidence of mental disorders like schizophrenia (A mental disorder characterized by delusions, hallucinations, disorganised speech and behaviour) in some migrant groups.

Interventions to address psychological concerns: -

The psychosocial concerns have led to the rapid growth of a multi disciplinary body of research on the mental health and psychosocial

wellbeing of migrants, mostly concerned with the negative impact of migrant experiences. Various psychological approaches like debriefing, psycho-education, trauma counselling emotional ventilation, Cognitive Behavioural Therapy (CBT), group work and EMDR have been tried in the affected individuals, but the evidence base is limited. It is important to identify the psycho-social needs, and support the affected individuals, which in turn can promote resilience and return to normality. Early work on the use of drugs such as beta-adrenergic blockers to block the action of stress hormones in the consolidation of traumatic memories has shown promising results, but further studies are necessary.

The Impact of Migration on Children's Psychological and Academic Functioning in the Republic of Moldova

Mihaela Robila

After the fall of communism, many Eastern Europeans sought work abroad, leaving their children with relative. Eastern European migrants represent a target group with unstudied immigration patterns. The goal of this study was to examine how parental migration and economic pressure impact children outcomes in the Republic of Moldova. I examined a model of the impact of parental migration on children (13-15 years old), using a survey with 388 children who have migrant and non-migrant parents. The conceptual model of migration, economic pressure, family relations and child outcomes integrated within the family stress perspective allows these pathways to be incorporated within a broader Moldovan context.

I conducted quantitative data analysis using structural equation modelling. The results indicated that higher economic pressure was



associated with children's lower psychological functioning, academic achievement and satisfaction with life. Parenting behaviours, especially parental support and monitoring, mediated the impact of satisfaction with migration and economic pressure on children's outcomes. I underline the importance of using a family perspective in the migration policy making process, and provide specific recommendations for migration policies and programmes.

### Psychosocial Studies of Migration and Community :

What impact does migration have on communities and other social support and social capital networks, both those left behind and those receiving migrants? The papers here find that problems such as brain drain and human trafficking may have a severely negative impact

on sending communities and that many serious challenges of acculturation, integration, discrimination, and acceptance remain for migrant and receiving communities. But, more often than not, it is also true that migrants strengthen host communities by providing needed labor and cultural diversity. In addition, they often help even their families and communities of origin by making valuable remittances and other connections. Thus, migration's effects on communities are impossible to weigh in balance as either positive or negative - the effects are great but entail a complex mix of winners and losers and with global migration not only inevitable but increasing, it is vital that we identify and assist the "losers".

## वीर

वीर है आप, वीर ही रहेंगे।  
वरना अपना घर, अपना परिवार छोड न आते।  
सलाम है आपको, सलाम है  
क्योंकी लहू में आपके साहस का पैगाम है।  
ना धूप, ना बारिश, ना आँधी, ना ठंडी  
आपकी एक ही भारत माँ की रक्षा की पगदंडी।  
वीर है आप, वीर ही रहेंगे  
योगी है आप और कर्तव्यदक्ष भी है।  
मन पर काबू, आपकी रग रग में है  
भाग्यशाली है वह माता-पिता,  
जिनको आप जैसे वीरपुत्र मिले।

और कृतज्ञ है हम जिन्हे, आप जैसे निडर रक्षक मिले।  
सरहद पर आप दटे रहे तभी तो हम जीते रहे...।  
ये कर्ज ना, चुकता होगा कर्ज ना चुकता होगा।  
वीर है आप, वीर ही रहेंगे।  
रक्षाबंधन तो एक वरदान है,  
हमारे भाईओंसे मिलने का, हमारे सिपाहीओंसे मिलने का।  
आपको दुवाएँ हमारी, आपको उम्र हमारी  
देश की रक्षा करने की, आपकी बडी है जिम्मेदारी...।  
अमूल्य जिंदगी, आपकी अमूल्य ही रहेगी  
वीर है आप, वीर ही रहेंगे  
हमे भी आप जैसी ताकद देना, हौसला देना।  
ताकि फिर कोई निर्भया न बन सके  
फिर कोई निर्भया न बन सके  
वीर है आप, वीर ही रहेंगे।  
जितना लिखू कम है, सागर की एक बूंद है।

योगिता बालवडकर-कोकाटे  
S.Y.B.A.

## ‘एका स्थलांतराचा इतिहास : गोडसे भटजी लिखित माझा प्रवास

मनिषा गंगाराम दुधवडे, T.Y.B.A.

‘केल्याने देशाटन, पंडित मैत्री सभेत संचार।

शास्त्रग्रंथ विलोकन, मनुजा चातुर्य येतसे फार।

कविवर्य मोरोपंताचा हा श्लोक सर्वश्रुतच आहे. प्राचीन काळापासून मानवाने स्थलांतर केले. सुरुवातीला भटकंती करणे हेच आदिमानवाचे जीवन असायचे. या भटकंतीतूनच मानवी विकास सहज साध्य झाला. “चराति चरतो भग” हे वचन मानवी जीवनाच्या यशाचे गमक आहे. ‘चालत रहा’ हा संदेशच खूप सुंदर आहे.

आज या लेखाच्या माध्यमातून मी एका अनोख्या प्रवासाविषयी सांगणार आहे. हा प्रवास ऐतिहासिक ठरला आणि हा प्रवास करणारी व्यक्तीही इतिहासात नोंदविली गेली.

आपण केलेला प्रवास, अनुभव शब्दरूपाने वाचकांपर्यंत पोहचविणे म्हणजेच प्रवासवर्णन स्थैर्य आणि बदल हे मानवी मनाला आकर्षित करणारे दोन ध्रुव आहेत. घर त्याच्या स्थैर्याचे भाव जपते आणि तेच ते रोजचे जीवन त्याला घराबाहेरच्या विस्तारलेल्या जगाकडे खेचून घेत असते. ही बदलाची भूक भागविण्यासाठी माणूस उंबरठ्याबाहेर स्वतःला झोकून देतो. असे छोटे-मोठे प्रवास करण्यामागे ज्ञानार्जन किंवा चातुर्य संपादन करणे हा हेतू तर अलिकडे असतोच, पण केवळ आनंदासाठी तो स्वदेशाची वा परदेशाची भ्रमणगाथा अंगिकारतो. अशा आपल्याला लाभलेल्या आनंदात इतरांना सहभागी करून घेण्यासाठी प्रवासवर्णने लिहिली जातात.

### पुस्तक परिचय :

मराठी साहित्यातील लिखित स्वरूपाचे पहिले प्रवासवर्णन म्हणून ‘माझा प्रवास’ गोडसे भटजी यांच्या पुस्तकाचा उल्लेख केला जातो.

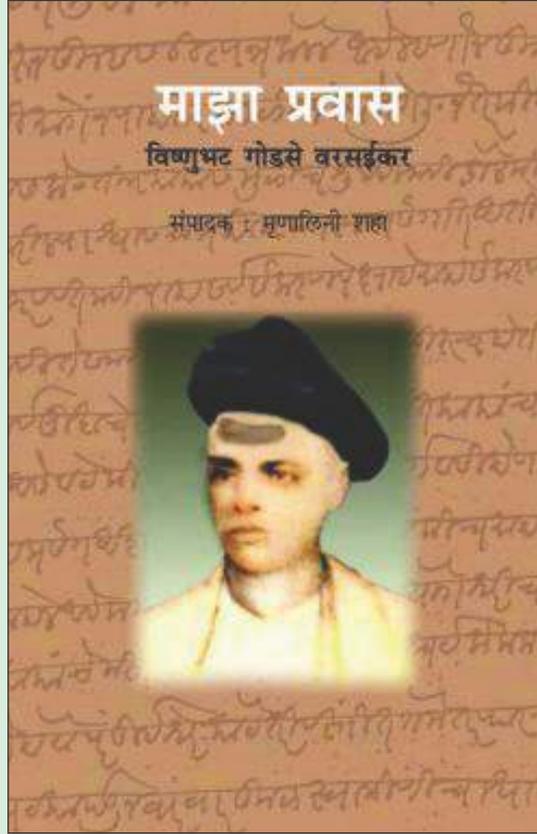
१८८३ मध्ये इतिहासकार चिंतामणराव वैद्य यांच्या आग्रहाखार गोडसे भटजींनी त्यांच्या प्रवासाचा अनुभव लिहून ठेवला. या मुळ मोडीतील मजकुराचे देवनागरीत रुपांतर करून वैद्य यांनी ते १९०७

साली तब्बल २४ वर्षांनी प्रकाशित केले. वैद्य यांच्याकडील मुळ मोडी हस्तलिखिते त्यांनी १९२२ साली भारत इतिहास संशोधक मंडळाकडे दिली. पुढे १९४९ साली न.र. फाटक यांनी प्रस्तावना जोडून या पुस्तकाची दुसरी आवृत्ती प्रकाशित झाली. या आवृत्तीत मुळ मजकूरात वैद्य यांनी केलेल्या बदलांकडे फाटक यांनी लक्ष वेधले आहे. पुढे १९६६ साली दत्तो वामन पोतदार यांनी नवी आवृत्ती व्हीनस प्रकाशनातर्फे प्रकाशित केली. तसेच २००७ साली या पुस्तकाला १०० वर्षे व १८५७ च्या लढ्याला १५० वर्ष पूर्ण झाल्यानिमित्त मृणालिनी शहा यांनी संपादित केलेले गोडसे भटजींचा ‘माझा प्रवास’ हे पुस्तक राजहंस प्रकाशनातर्फे प्रकाशित झाले. या पुस्तकामध्ये त्यांनी शब्दकोषही दिलेला आहे. तसेच वि.दा. सावरकरांनी त्यांच्या १८५७ चे स्वातंत्र्यसमर’ या पुस्तकासाठी आणि वृंदावनलाल शर्मा यांनी ‘झाशी की रानी लक्ष्मीबाई’ या कादंबरीसाठी या पुस्तकाचा संदर्भ घेतला आहे.

**व्यक्ती परिचय :** विष्णुभटजी गोडसे

हे ‘माझा प्रवास’ या १८५७ च्या

स्वातंत्र्ययुद्धकाळातील प्रवास अनुभव कथणाच्या पुस्तकाचे लेखक होते. विष्णुभटजी मुळचे वरसई तालुका पेण, जिल्हा रायगड, महाराष्ट्र येथील भिक्षुक होते. ते घराच्या गरिबीमुळे आर्थिक चणचण कमी होईल आणि प्रदेशही पाहता येईल या हेतुने वरसई सोडून उत्तरेस प्रवासाला गेले होते. प्रवासात झाशी येथे १८५७ च्या उठावात सापडले. तेथे त्यांना झाशीच्या राणी लक्ष्मीबाईंचा आश्रय लाभला. झाशीत आश्रयास असताना झाशीच्या किल्ल्याला पडलेल्या वेढ्यात सापडल्यामुळे उठावातील घडामोडी त्यांना प्रत्यक्ष पाहता आल्या उठावातील प्रसंगांना तोंड देत खडतर प्रवास करत विष्णुभटजी अखेरीस वरसईत सुखरूप परतले. वरसईत परतल्यावर चिंतामणराव वैद्य यांच्या सांगण्यावरून विष्णुभटजींनी उठावाच्या हकिगती लिहून काढल्या आणि वैद्यांच्या ताब्यात दिल्या. १९०६ मध्ये विष्णु भटजींचे निधन झाले.



विष्णुभट गोडसे यांचे प्रवासवर्णन मराठीतले पहिले प्रवासवर्णन आहे. साहित्यबरोबरच हे लेखन ऐतिहासिक दस्तऐवजही आहे. १८५७ च्या स्वातंत्र्यसमराला दीडशे वर्ष पूर्ण होऊन गेली. त्यातूनच पुढचा स्वातंत्र्याचा प्रेरणादायी इतिहास घडला. या इतिहासाचे साक्षीदार 'माझा प्रवास' या पुस्तकाला महत्त्व प्राप्त झाले आहे. या प्रवासात गोडसे भटजींनी झाशीची राणी लक्ष्मीबाई यांच्याकडेही काही काळ मुक्कामाला असून झाशीच्या राणीने ब्रिटिशांविरुद्ध कसे हिमतीने तोंड दिले आहे. डोळ्यांनी पाहिलेल्या स्थितीचे त्यामध्ये वर्णन केले आहे.

विष्णुभटजी गोडसे हे आत्ताच्या पेण-खोपोली रस्त्याजवळ असलेल्या वरसई या गावचे पिढीजात रहिवासी होते. त्यांचे वडील दुसऱ्या बाजीरावांच्या ब्राह्मण आश्रित वर्गापैकी होते. पेशवाई बुडून बाजीराव गंगेकाठी बिठूर येथे जायला निघाल्यावर तेही त्यांच्याबरोबर निघाले. पण प्रकृती साध देईना झाल्याने नर्मदातीरापर्यंत जाऊन ते ब्राह्मण कार्य करून दिवस काढत असत. पण दिवसेंदिवस उत्पन्न कमी आणि कर्जे जास्त होऊन त्यांच्या घरी गरिबी आली. घरात आणखी तीन लहान भावंडे त्यांच्या लग्नकार्यात कर्जे घेतले. ते फेडण्यास काही मार्ग उरला नाही. भटजी स्वतः भिक्षुकी, याज्ञिकी करून थोडेफार पैसे गोळा करत. अशात एकदा पुणे येथे यजमानकार्य करण्यासाठी गेले असता ग्वाल्हेरच्या बायजाबाई शिंदे सुप्रसिद्ध महादजींची सुन आणि दौलतराव शिंद्यांची विधवा या मथुरा येथे 'सर्वतोमुख यज्ञ' करणार आहेत अशी पत्रे शिंद्यांच्या आश्रित ब्राह्मणांकडे आल्याची बातमी भटजींना समजली. अशी धार्मिक कार्ये चालवण्यासाठी शिंदे यांची ओढ दक्षिणी म्हणजे मराठी ब्राह्मण वर्गाकडे साहजिकच होती आणि त्यातून दानधर्म वगैरे खूप होऊन त्यातून अर्थप्राप्ती होईल असे भटजींना वाटले. कमी वेळात पैसे मिळवून कर्जफेड करण्यासाठी दुसरा मार्ग त्यांना दिसेना. त्यांच्या गावातच राहणारे एक (चुलत) काका हे बाजीरावांबरोबर ब्रह्मावर्ती गेले होते. आणि तिथे त्यांनी होमशाळेत अनेक वर्षे ऋत्विज्यकर्मही केले होते. त्यांना इतर हिंदुस्तानची माहिती होती. त्यामुळे त्यांना सोबत घेऊन मथुरेला जावे असा बेत भटजींनी केला. आई-वडिलांची परवानगी घेऊन अर्थार्जन करून परत येता येईल. या हेतूने ते आणि काका मथुरेला जायला निघाले. पण आध्यात्मिक रस्त्यात महत्त्वाच्या जवळ पोहचल्यावर तिथे धर्मशाळेत सोबतीला उतरलेल्या काही शिपायांकडून त्यांना पुढे होणाऱ्या उत्पाताची माहिती मिळाली. महला दंग्याची झलक पाहून उजैनमार्ग भटजी आणि काका झाशीला पोहचले आणि राणी लक्ष्मीबाईसाहेब यांच्या तिथे काही काळ राहिले. पुढे बंडाचा वणवा झाशीलाही पोचला. झाशीमध्ये फार मोठे युद्ध झाले. बाईसाहेब झाशीतून निसटून तात्या टोपे आणि नानासाहेब वगैरे समविचारी लोकांकडे गेल्या आणि

त्यांच्या मागे इंग्रज सैन्याने झाशीला कत्तल आरंभली. त्या सर्व दिव्यातून बाहेर पडून भटजी आणि काका हे पैशाच्या आशेने काल्पीमार्गे बिठूर आणि पुढे बुंदेलखंडात चित्रकुट येथे गेले या सर्व प्रवासात बंड आणि बंडवाले शिपाई यांच्याशी त्यांचा या ना त्या कारणाने सतत संपर्क येत राहिला. अनेकदा तर ते या बंडवाल्यांच्या सोबतीनेच प्रवास करत राहिले.

प्रवासात त्यांच्यावर अनेक प्रकारची संकटे आली पण काही वेळा दैवयोगाने तर काही वेळा अंगच्या चतुराई आणि हिम्मतीने त्यांनी या संकटावर मात केली. या ठिकाणाहून त्या ठिकाणी जात असता यात्रा पुण्यकर्म इत्यादींच्या संधी भटजींनी सोडल्या नाहीत. आयोध्या नैमिषारण्य कनोजजवळचे सूर्यावर्त नामक स्थान चित्रकुट जवळची श्रीराम संबंधित स्थाने अशा अनेक यात्रा त्यांनी केल्या. अनेकदा त्यांना विशिष्ट धर्मविधीपर कार्ये जी प्रसंगोपात असून कधीतरीच केली जात ती प्रत्यक्ष बघायची संधी मिळाली. पैसे मिळण्याची संधी कमी आहे हे पाहून भटजींनी या भागात आलो आहोतच तर काशी-प्रयागाची यात्रा करून माता-पित्यांना गंगोदकाने स्नान घालावे असा निश्चय केला आणि त्याप्रमाणे उपाशी राहून गंगाजलाची कावड खांद्यावर वाहून वरसईत आणली. परतीच्या प्रवासातही शक्य तिथे त्यांनी यात्रा क्षेत्रे आणि तीर्थस्थाने यांना भेटी दिल्या. अशाप्रकारे सुमारे अडीच वर्षांनंतर भटजी आणि काका दोघेही गावी सुखरूप परत आले. या अडीच वर्षात भटजींनी किमान साडेतीन हजार किलोमीटर्सचा प्रवास केला.

**समारोप :** गोडसे भटजी यांचे लिखित 'माझा प्रवास' हे प्रवासवर्णनपर पुस्तक नुकतेच माझ्या वाचण्यात आले. जिवनात स्थलांतर तर प्रत्येक व्यक्ती करत असतो. परंतु गोडसे भटजींच्या स्थलांतरातील वेगळेपण हे नजरेआड जात नाही. घरची आर्थिक परिस्थिती हालालीची असल्याने त्यांनी केलेले स्थलांतर व त्यामुळे त्यांना भेटलेल्या अनेक व्यक्ती, विविध अनुभव, १८५७ च्या बंडाचे झालेले दर्शन व या स्थलांतरात त्यांनी पाहिलेली अनेक शहरे या सान्याच आठवणी त्यांनी लिहून काढल्या. त्यामुळे त्यात काही ऐतिहासिक तथ्य आहे. काही ऐकीव माहिती आहे आणि या दीर्घ प्रवासाच्या मनोरंजक गोष्टी आहेत.

हा ग्रंथ वाचतांना या ग्रंथाचे महत्त्व सहज जाणवत होते. काळ नेहमीच आपल्या गतीने पुढे जातो. पण इतिहास निर्माण करून पुढे जातो. १८५७ च्या लढ्याचे 'चक्षुर्वेसत्यं' वर्णन करणारा ग्रंथ निश्चितच अनमोल आहे. म्हणूनच मराठी भाषा, इतिहास व समाजशास्त्र यांच्या अभ्यासकांच्या दृष्टीनेही एक मौलिक संदर्भ-ग्रंथच ठरला आहे.

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## डॉलर बहू मधील गौरम्मांचे मानसिक स्थलांतर

जान्हवी वैद्य, S.Y.B.A

मला सुधा मूर्तीची पुस्तक वाचण्याची खूप इच्छा होती. म्हणून त्याच इच्छेपोटी मी सुधा मूर्ती यांच 'डॉलर बहू' हे पुस्तक वाचावयास घेतले. मला हे पुस्तक सुरुवातीला थोडसं किचकट वाटलं पण जसं ते पुस्तक मी वाचत गेले तसं ते आवडत गेलं.

या पुस्तकातील कथानकानुसार डॉलर बहूचं महत्त्व आणि वर्चस्व या घरात सर्वात जास्त असतं. मोठी सून घरात सर्व काम करून राबून सर्वांना खूश ठेवते. पण धाकटी सून ही डॉलर बहू असल्यामुळे तिच्याच सर्व गोष्टींचे कौतुक व नवल घरात खूप केले जाई. अशी परिस्थिती असते.

ह्या कथेत मोठी सून सामान्य घरातून करून आणलेली असते. पण तीच सून प्रामाणिक, सर्वांची काळजी घेणारी असते. तर लहान सून ही थोडीशी फसवी वागणारी असते. पण सासूला मोठ्या सुनेपेक्षा त्या डॉलर बहूचे कौतुक सर्वात जास्त असते. ती धाकट्या सुनेपुढे तिच्या मोठ्या सुनेला कमी लेखत असे. मोठ्या सुनेला सासू नेहमी घालून पाडून बोलत असे.

मोठ्या सुनेचं नाव विनिता व मोठ्या मुलाच नाव गिरीश असं होते व धाकट्या मुलाच नाव चंदू व सुनेचं नाव जमूना होते. तसेच सासूचे नाव गौरम्मा व सासऱ्याचे नाव भीमण्णा होते. तसेच त्यांच्या मुलीचे नाव सुरभी होते. सुरभी ही सर्वात लहान मुलगी होती. भीमण्णा (सासरे) हे अतिशय शांत स्वभावाचे होते. तर गौरम्मा (सासू) ह्या अत्यंत तापट होत्या. भीमण्णा हे मोठ्या सुनेचे कौतुक नेहमी करत असत. पण गौरम्मांना फक्त धाकट्या सुनेचे कौतुक होते. त्या घरात सरळ दोन मुलांमध्ये भेदभाव करत असत. मोठा मुलगा हा कमी शिकलेला भारतातच राहणारा असतो. पण लहान मुलगा हा खूप शिकलेला अमेरिकेत राहणारा असतो. पण त्यांच्या दोन्ही सुना ह्या मात्र भारतातच राहणाऱ्या असतात.

गिरीशची बायको विनिता (मोठी सून) ही दिसायला अतिशय सुंदर असते. चंदूची बायको ही दिसायला तशी बरी असते. विनिताच्या अंगी अनेक कला गुण असतात. पण जमूना (छोटी सून) ही फक्त पैसा आणि मोठे घर ह्याच्या जोरावर सुन म्हणून

पत्करलेली असते.

गौरम्मांचा मोठा मुलगा हा त्यांच्याजवळच राहतो. पण धाकटा मुलगा अमेरिकेतच स्थायिक होतो. त्यामुळे गौरम्मांना त्याचेच खूप कौतुक असे. गौरम्मांच्या समोर एक चांगली व आदर्श सून असूनही त्या फक्त जमुनाचेच कौतुक दिवस अन् दिवस करत असतात. त्यांच्या मुलीला (सुरभीला) पण तिचेच कौतुक जास्त असते. पण जिचे कौतुक नसते तिच सून सुगरणीसारखा स्वयंपाक रोज करून त्यांना वाढत असते. जमुना ही त्यांच्यासाठी फक्त दागदागिने व जुन्या व त्याही नेसलेल्या साड्या त्यांना भेट म्हणून देत. गौरम्मांना चंदूकडे जाण्याची अत्यंत हौस असते. भीमण्णांना विचारते पण ते साफ नकार देतात.

चंदू आईसाठी अमेरिकेत एक तिकीट व व्हिसा याची व्यवस्था करतो. खरंतर चंदूला व जमूनाला गौरम्मांची गरज वाटत नसते. पण जमुना ही गरोदर राहते म्हणून गौरम्मांचा आणखीनच तिकडे जायचा उत्साह वाढतो.

पण विनिता त्या भारतात तिच्याबरोबर राहत असताना जितक्या प्रेमाने व आपुलकीने करत असते. त्यांच्या अगदीविरुद्ध जमुना आणि चंदू गौरम्मांशी वागत असतात. गौरम्मा अमेरिकेला जायच्या आधी सुरभीचा विवाह पण अत्यंत श्रीमंत घरात करून देतात.



अमेरिकेत त्यांना त्यांच्या ओळखीची खूप माणस भेटतात. पण तरीही गौरम्माच समाधान होत नाही. त्यांच्या मनात एकच विचार अमेरिकेत खूप छान वाटतय असच त्यांचं म्हणणं होतं.

गौरम्मा अमेरिकेतल्या गप्पा तसेच जमुना कशीही वागली तरी तिचं कौतुक पत्राद्वारे कळवत असते. पत्रात अमेरिकेतल्या गोष्टींचा उदोउदो करायच्या. जमुनेचच कौतुक सांगायच्या. हे सगळं विनिताच्या मनाला अत्यंत त्रास देणारे होते. या सगळ्या गोष्टी विनिताच्या मनावर खूप आघात करणाऱ्या होत्या. पण तरीही ती खूप दुर्लक्ष करत असे.

इकडे भारतात विनिताला पण मुलगा होतो. ते मुलगा झाल्याची बातमी पण

शामण्णा गौरम्मांना कळवतात. तरीही गौरम्मा ना नातवाचं कौतुक करतात ना विनिताची चौकशी काहीच करत नाहीत. याचा विनिता आणि गिरीश या दोघांनाही अतिशय त्रास झाला. पण तरी दोघांनीही कुठलीच गोष्ट जाणवू दिली नाही.

एकदा शामण्णा विनिताला ह्या सगळ्या गोष्टी लक्षात घेऊन सांगतात की विनिता गिरीशची बदली धारवाडला होऊ शकते आणि तुझी पण बदली तू धारवाडला शाळेत करून घे. माझे आशीर्वाद तुझ्या पाठीशी आहे.

नंतर हे दोघेही त्यांच्या मुलाबरोबर धारवाडला निघून गेले. तिथे त्यांचा खूप छान मेळ बसला. ते दोघेही जातात. त्याच दिवशी गौरम्मा पण परत येतात आणि शामण्णांना विचारतात. “कि विनिता कुठे आहे? माझ्या परवानगी शिवाय कशी गेली? कुठे गेली? तेव्हा शामण्णा, सगळं सविस्तरपणे सांगतात. त्या वेळेला गौरम्मांना आपली चूक लक्षात येते आणि गौरम्मा पूर्णपणे भानावर येतात. आणि शामण्णांना त्या तिघांनाही भेटायची इच्छा दर्शवितात शामण्णा त्यांना घेऊन जातात. पण ते एक अट घालतात. डॉलर आणि तुझी डॉलर बहू त्यांच्याबद्दल तू काहीही बोलायचं नाहीस अशी अट घालतात. पण त्या वेळेला गौरम्मांना सगळं मान्य होतं. कारण त्यांची चूक त्यांना पूर्ण मान्य झालेली असते.

पैशामुळे आपली जवळची माणसं आपल्या पासून लांब जातात. आणि पैशामुळे माणसं एकदा दुरावला की ती परत जोडता येत नाहीत. माणसं व माणूसकी हे खूप महत्त्वाचे असते. माणसचं माणसांशी माणसांप्रमाणे वागत नाहीत. वागवतही नाहीत. पण माणूसकी आपल्या कामाला येते. माणूसकी ठेवून वागलं तरच आपण लोक जोडू शकतो. नाहीतर माणसांमधला दुरावा असाच वाढत जातो. हे सत्यच या पुस्तकाच्या वाचनातून समोर येते. गौरम्मांचे मानसिक स्थलांतरच या पुस्तकातून दिसून येते. खोट्या, फसव्या जगाकडून खऱ्या व शाश्वत नात्याकडे गौरम्मा येतात त्यांचे हे स्थलांतर सुधा मूर्ती यांनी यथार्थपणे रेखाटले आहे.

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## पावसाच देण

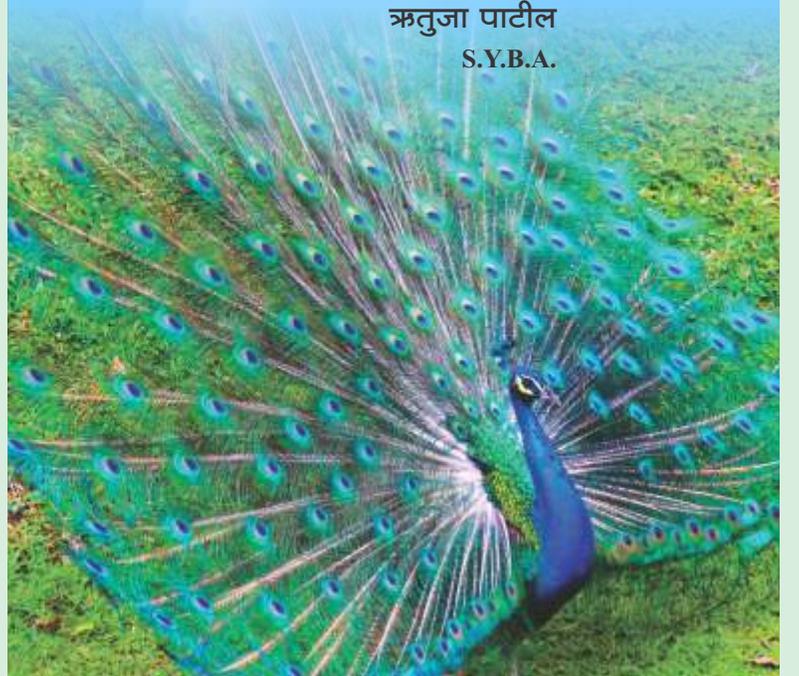
रंग वनात रंगला  
थेंब पाण्यात पडला  
शब्द शब्द भिडला  
सुर पक्ष्यानी दिला

मोर नाच नाचला  
वेडा धुंदीत थकला  
देहभान विसरून  
हिरव्या रंगाने रंगला

हवी वाटे पान-फुल  
वेड्या वेडीला देण्यास  
केव्हाची वाट त्याची  
म्हण पावसाच देण

हसु ओठावर फुल  
मना मनात आनंद  
साजरा करण्या सोहळा  
मन वेड बेधुंद

ऋतुजा पाटील  
S.Y.B.A.



## MIGRANT LITERATURE

Life through the eyes of an Immigrant

-Vandhya Iyer, F.Y.B.A

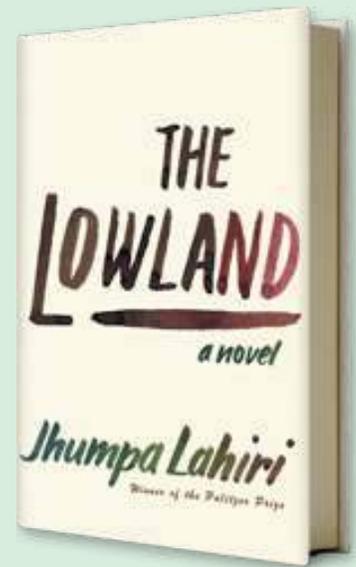
One of my most beloved authors, Jhumpa Lahiri, had once made an interesting remark about books, "Books let you travel without moving your feet." Every book let us discover new places, new characters, their struggles and their journey within the comforts of our home or from anywhere around the world.

Apart from prominent themes such as love, crime, mythology and fantasy, there are many books that are based on the theme of migration. Writers all over the world have observed and written stories about people moving to a new area or country in order to find work or better living conditions. Writer Jhumpa Lahiri happens to be one such writer, whose works give us an insight into the lives of Indian families settling in abroad. Being the child of immigrant parents, it seems that the writer has drawn inspiration from her own life for many of her works. One of her most promising works is the novel, 'The Namesake'. The novel is about the middle-class family from Calcutta(Kolkata), the Gangulis and their lives as immigrants in the United States of America. Through the book, the writer explores the struggles and transformations that a person experiences as an immigrant. Throughout the story, the writer attempts to highlight the process by which the family tries to find an identity in a county where the concept of love, marriage and even the lifestyle are quite different from their own.

The writer highlights the various cultural differences between the Indian and American Society. For instance, the Indian-immigrant parents, Ashoke and Ashima

Ganguli disapproves their son's relationship with an American girl. Their children, Sonia and Gogol, on the other hand, find it difficult to relate to the Indian Culture. They face identity crisis. Ashima Ganguly is strong and refuses to let go of their Bengali heritage. The story also accounts the family's brief trips to Calcutta, as a way of keeping in touch with their roots. Their parents host two birthday parties, one for their Bengali friends and one for their children's American friends. We can observe Gogol's constant discomfort of trying to fit in an American Society with his Indian parents. The writer also shows a contrast in the ideologies of Indian parents on western culture. Ashima Ganguli tends to express her disappointment against her son's school trip to the cemetery. She says that in Calcutta, the burning ghats happen to be the most forbidden of all the places. Therefore, there is no doubt in the fact that the Western Culture tends to make children aware and accept ideas, such as death, from a very young age, as compared to the Indian Culture, which tends to be more conservative and orthodox.

At the end of the story, an interesting question is raised through the plot of the



novel; where do we belong? The country in which we were born or the one which we go on to adopt later on? The writer explores this idea very deeply. As it is seen in this novel, Gogol tries to rediscover his roots after his father's death. He realises that the life of an immigrant is full of challenges. They have to adjust with their new surroundings and try their best to keep in touch with their culture and tradition. This is a remarkable book that prompts the reader to look at the world through the eyes of an immigrant.

## A woman

A woman I believe  
Is a purest soul  
The lord has sent to the earth  
with a beautiful sole

She is a caring mother  
She is a responsible sister  
She is a loving wife  
But I don't know why?  
Our society is not satisfied.

She can care for you  
She can fight with you  
She can fight for you  
She is as brave as mountain range  
She is as strong as a stream's courage

She is as pure as water you drink  
But please, not every girl likes pink  
She is as brave as Nirbhaya  
She is as brave as Ashifa  
You destroyed Laxmi's face  
but not her dreams she chased!

A boy is named as a coolest guy  
A girl is named after material things  
I don't know why?

Hey don't sit like this,  
Don't look up, look down  
Don't do this, Don't do that  
Put up your sleeves down  
Cover things with pants high  
this is what we are said all the time  
Not realising that  
We are the one who give  
birth to the child

People judge me on my attire  
I judge them on their desire  
They question my character  
The things about me they whisper  
it sounds really very bitter!

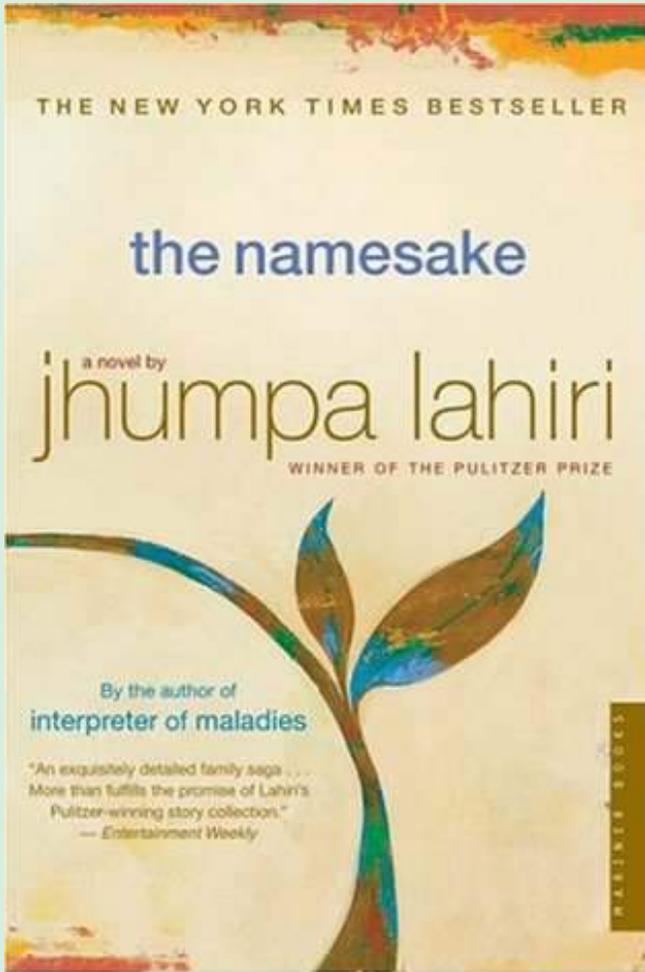
In the world of Patriarchy  
which we have followed  
with greater hiweo  
You steal you rape, you burn,  
you throw, you  
Remember this is not anything  
But is is my body!  
Don't you feel sorry?  
How would you feel sorry?  
As you are against humanity!

Even I want to fly  
Even I want to enjoy  
5000 years of our history  
70 years of indepanance  
Still has not solved the question  
of our dependence.

-Gayatri Somase,  
T.Y.B.Sc

A MIGRATION OF THE MIND-THEMES OF MIGRATION  
IN JHUMPA LAHIRI'S NOVELS

-Anish Yande, T.Y.B.A



Migration is commonly defined as a process of physical transition. However, migration is also a state of mind.

When our mind wanders as thought take over our mind, actions fall away and what remains is us floating in the zero gravity of our thoughts.

Jhumpa Lahiri defines a period of transition throughout the Lowland. From travelling to the strange new home of your husband to eventually embarking on a journey to the U.S., Gauri is in a state of physical transition. Also, along with that, quite fittingly, she is also in a state of psychological transition.

Lahiri illustrates throughout her book how the inseparable duality of these experiences go hand in hand. Change is the third aspect which is constant. Paradoxically, change is always constant. Just like in real life, people, objects and even whole nations keep changing.

Sometimes, Lahiri's narratives escalate and grow leading to an emotional moment. This moment resonates in the reader's mind because of the sacrifice that a character has done to achieve joy or self-fulfillment. However, an obstacle occurs which makes the character question themselves again, whether they deserve the self-fulfillment. The doubt, and the preceding despair make it all the more human. And all migration requires a sacrifice, I believe.

It takes a reading of Lahiri's Namesake to realise that migrants are human. Often migrants have been attached to two interpretations. In the Indian context, Bangladeshis migrating from Bangladesh illegally are to be feared and kept at bay. This is also reflected on a global scale, in the attitudes of leaders such as President of the USA, Trump who believes that Mexican migrants are terrifying threat to the security of the USA.

On the other had, in the long-lasting Indian mentality, NRIs are practically worshipped. They are associated with being victors who escaped the terrible life we are living here in India. Abroad, everything is better, even humanity. Being an NRI is a matter of prestige, almost comparable to the prestige of an IAS officer. Parents proudly declare their sons/daughters to be "settled" abroad.

Jhumpa Lahiri makes us take a moment, sit



down and think about the gravity of migration. It is a movement of bodies but also identities, she expresses. Identity starts from the minutest of details, such as one's name. In her book, *The Namesake*, Lahiri illustrates a character named Gogol. Gogol feels alienated and isolated by the name which considers him a foreigner and his name. His name, which is a legacy bestowed upon him by his father, is something which he hates. In America. Nobody can pronounce his name right. He seemingly shares this name with no one in the world.

At a college party, Gogol is reluctant to introduce himself as Gogol so he creates a new name for himself, Nikhil. As Nikhil, Gogol feels free of the name and legacy he didn't choose. This conflict that Gogol feels is similar to Jhumpa Lahiri's own conflict. Jhumpa Lahiri was born as Nilanjana Sudeshna but she had a pet name, Jhumpa. This name is easy to pronounce and so she started associating this name to herself more and more until finally adopting it. As Shakespeare said, "What's in a name" and likewise a name represents an inseparable part of identities, which matters more than we may think.

Through her works, Jhumpa Lahiri always talks about the human condition. How we evolve with and without our circumstances and how growth can happen in a flash and leave us reeling. In that way each story is an after thought to another story. All the stories of these migrants form a chain for stories. We are made up of stories, and we all are migrants of thought. Since change is ever present, we change from day to day, we are all moving from one place to another.



## गरिबी

गरीबांच्या डोक्यावरची मोळी होणं चांगलं  
 कधी कधी फकीराची झोळी होणं चांगलं  
 शत्रुच्या छावणीत फितुर होण्यापेक्षा  
 देशासाठी बंदुकीची गोळी होणं चांगलं  
 कधी कधी आयुष्याची होळी होणं चांगलं  
 भुकेलेल्या पोटांसाठी पोळी होणं चांगलं  
 शोभेसाठी भरजरी वस्त्र होण्यापेक्षा  
 उघड्या माय बहिणीची चोळी होणं चांगलं  
 गरीबांच्या डोक्यावरची मोळी होणं चांगलं  
 ज्ञानासाठी समुद्राची बुडी घेणं चांगलं  
 कधी कधी आकाशाची शिडी होणं चांगलं  
 नारळाच्या झाडाचं फळ होण्यापेक्षा  
 कधी कधी गुलाबाची कळी होणं चांगलं  
 गरीबांच्या डोक्यावरची मोळी होणं चांगलं  
 जीवनात साखरेची गोडी होणं चांगलं  
 कधी कधी पावसाची झडी होणं चांगलं  
 विषमतेची विषारी कडी होण्यापेक्षा  
 घरोघरी समतेची गुडी होणं चांगलं  
 गरीबांच्या डोक्यावरची मोळी होणं चांगलं  
 कधी कधी फकीराची झोळी होणं चांगलं

प्रशांत आवारे  
 FYBA

## परके



स्त्री आहे मी एक स्त्री आहे  
कोणाची तरी आई, बहीण  
अन् कोणाची तरी पत्नी आहे  
मीच श्रीकृष्णाची राधा, ज्ञानोबाची मुक्ताई  
अन् मीच रामाची सीता आहे

पण आजच्या या जगाने  
कसले दिवस मला दाखवले आहेत  
चालले होते भर अंधारात मी  
वारे ही सुन-सान होते  
माझ्या ओळखीला त्या वाटे  
साधे माझे भिन्न मन ही नव्हते...

काळोखाच्या अंधारी अचानक एक  
अनोळखी सावली आली  
मग मात्र माझ्या पायाखालची  
जमीनच जणू सरकली...

होते ते तिघे, मी मात्र एकटी होती  
माझ्या ओरडण्याची मात्र तमा कोणालाच नव्हती  
कोणी हात धरले कोणी पाय धरले  
अन् माझ्यावरती नरकातले जुलूम केले

अर्धमेली पडले होते मी त्या अनोळखी रस्त्यावर  
वाचवा वाचवा दादा मला म्हणत  
कंठ फुटला त्या काळोखाच्या वाटेवर...

दादा दादा मला वाचवा  
म्हणत आवाजाने साथ सोडली  
मी मात्र अर्धमेली  
तिथेच पडून राहिली

चिंता समाजाला माझी नव्हती  
होते चूक मुलांकडून अशी  
जणू त्याची समजच होती

जा विसरून तू सगळं असे सगळे सांगत होते  
आई-बापाची इज्जत घालवली  
हे आता खरे नव्हे  
कशाला पडली एकटी बाहेर तू?  
का कोणी साथीला नव्हतं?  
चूक तर तुझीच आहे  
मुले तर भावनेच्या भरात वाहत गेली  
जा विसरून तू सगळं नाहीतर  
तू समाजासाठी मेली

ऐकून सारे हे माझ्या अंगावर काटा आला  
सारा हा समाज आज मलाच दोष देऊ लागला  
जा विसरून सगळं  
हा समाज मलाच म्हणू लागला  
मला मात्र माझा जीव आता  
नको-नकोसा वाटू लागला

जा विसरून सगळं म्हणणारे एक मात्र लक्षात ठेवा  
आज मात्र मी होते  
उद्या मात्र तुमची मुलगी, दादा तुझी बहिण  
आणि भावा तुझी पत्नी असेल  
आज मात्र मी रडले  
उद्या मात्र कदाचित तुझी कोणीतरी असेल

- सारंग यादव  
F.Y.B.Voc

# सुलुहलतुतु वलवलधल

आडुहल घरी धन शडुडलंकीक रतुने ।  
शडुडलंकीक शसुतुने तुने करु ॥  
शडुडलकल आडुडुतुतुल तुलवलकुने तुलवलन  
शडुडे वलडुु धन तुनलुुकीकल ॥  
तुकीकल डुहणे डुहल शडुडलकल हल देव ।  
शडुडलकल गुरलव डुतुतुल करु  
-संत तुकीरलडु



## प्रेम विस्तार, स्वार्थ संकुचन

-ऐश्वर्या दुधाळे, T.Y.B.A.



इ.स. १८९३ मध्ये अमेरिकेच्या शिकागो येथे भरलेल्या जागतिक सर्वधर्मपरिषदेमध्ये 'माझ्या प्रिय बंधुभगिनींनो' असे उद्गार काढून विश्वबंधुतेचे नाते प्रस्थापित करणारे स्वामी विवेकानंद यांचा जन्म १२ जानेवारी १८६२ या दिवशी झाला. त्यांची 'प्रेम विस्तार, स्वार्थ संकुचन' ही ओळ युवकांना प्रेरणा देणारी आणि प्रेम आणि स्वार्थ यांच्यातला फरक दर्शवणारी आहे. यांनी असे ही म्हटलले आहे की, "प्रेम जीवनाचा एकमात्र नियम आहे. जो प्रेम करतो. तो जिवंत आहे आणि जो स्वार्थ आहे तो मरत आहे. यामुळे प्रेमासाठी प्रेम करा कारण हा जीवनाचा एकमात्र नियम आहे. जसे जगण्यासाठी श्वासाची गरज असते."

प्रेम हा शब्द इतका लहान असला तरी त्याचा विस्तार मात्र खूप मोठा आहे. प्रेम म्हणजे जे आपण आपल्या आई-वडील, बहिण-भाऊ यांच्या वर करतो. इतकच नाही तर संत भक्तजण देवावरती करतात. ते प्रेम अजून सांगायचे झाले तर मर्द मावळे शिव छत्रपतींवरती करायचे आणि आपले सीमारक्षणक आणि जनतेचे रक्षक त्यांचे भारतमातेवरचे प्रेम...

संत कबिरांनी सुद्धा प्रेमाचे सुंदर वर्णन केले आहे-

"प्रेम गली अति सांकरी, तामें दो न समाहि ।

जब में था तब हरी नहीं, अब हरी है मैं नहीं ।"

प्रेम हे ईश्वराचे रूप आहे. ज्याला आत्मसात केल्याने देहामध्ये एक दिव्य स्वर निर्माण होतो. प्रेम ही अशी भावना आहे की, ती फक्त व्यक्त केली जाऊ शकते. किंवा अनुभवली जाऊ शकते, प्रेम हे

सकारात्मकतेचे प्रतिक आहे. प्रेमाचा अवलंबन करून आपण आपले विचार सकारात्मक करू शकतो आणि आपला परिसरदेखील सकारात्मक करू शकतो. ही ताकद प्रेमामध्ये आहे.

प्रेम आपल्याला बंधनात घट्ट बांधून ठेवते. तर दुसरीकडे प्रेम आपल्याला आजाद व निर्भय बनवते तर संकटाला सामोरे जाण्यासाठी प्रेरित करते या निर्भयतेत बुडून मीराने विष प्राशन केले होते.

प्रेमापुढे सर्व ब्रह्मांड हे ठेंगणे पडले आहे. साक्षात महालक्ष्मी यांचे पती श्रीनारायण यांच्या श्रीकृष्ण अवतारामध्ये ते गोपिकांना म्हणतात, "मी कधीही तुमचे हे ऋण परत फेडू शकत नाही." म्हणजेच प्रेम ती मालमत्ता आहे. ज्या पुढे त्रैलोक्याची संपत्ती देखील क्षीण होते. प्रेमाच्या या पराकाष्ठेमुळे श्रीकृष्णाने गीतेतील अर्जुनाला सांगितले की-

"सर्वधर्मान् परित्यज्य मामेक : शरणम् ब्रज:"

प्रेम हे निराकार, निरंतर, निर्विकार, चंचल, नदीच्या वाहणाऱ्या पाण्यासारखे तर गालाला हळूच स्पर्श करून जाणाऱ्या वाऱ्यासारखे आहे. राधा-कृष्णाचे प्रेम जणूकाही असेच आहे. म्हणूनच त्यांना राधाकृष्ण असे एकत्र संबोधले जाते. "आयोध्याचे राजा श्रीरामांनी शबरीची उष्टी बोरे सुद्धा खाल्ली होती." अर्थात प्रेम नियमांना बांधून नाही राहत. परंतु प्रेमी स्वतःला बंधनात बांधून घेऊ शकतो. जसे "श्रीकृष्णांनी यशोदा मातेच्या दोरीमध्ये स्वतःला बांधून घेतले." प्रेमापोटी भरतजीने श्रीरामांकडे "आमचे प्रेम चंद्रकलेप्रमाणे वाढत जावे आणि त्याला कधीही पौर्णिमा येऊ नये" अशी मागणी केली.

प्रेमाचा प्रवाह हा उलट दिशेने वाहतो. त्यामध्ये बुडणारा तरतो. संकुचित होऊन विस्तृत होतो. सर्वकाही लुटून लुटला जातो. अनुरागापासून सुरू झालेली यात्रा वैराग्यापर्यंत येऊन पोहचते. म्हणूनच अमीर खुसरों नी म्हटले आहे-

"खुसरों दरिया प्रेम का उलटी वाकी धार ।

जो तैरा सो डूब गया जो डूबा सो पार ।।"

प्रेम आणि स्वार्थ दोन्ही वेगळे आहे. प्रेमामध्ये लोक जोडली जातात. आनंदी राहतात. जे प्रेम करायला आणि प्रेम वाटायला शिकले. ते जीवन आनंदाने जगायला शिकले जेथे प्रेम आहे. तेथे दया, करुणा, ममता असे गुण आहे. ज्याच्या मध्ये हे सदगुण आहेतो उत्तम माणूस आहे.

तर दुसरीकडे स्वार्थ नकारात्मकतेचे तसेच मृत्युचेही प्रतिक

आहे. जे लोक मतलबी असतात ते दुसऱ्यांबरोबर नेहमी देखाव्याच्या प्रेमाचे नाटक करतात. अशा लोकांमध्ये बदल्याची आणि हव्यासाची भावना असते. स्वार्थामध्ये माणूस कधीही कोणाचा नसतो. चुकीचा रस्ता त्याला सर्वांपासून दूर नेतो. ते लोक दुसऱ्यांवरती जळूनच मरण पावतात. समजा पृथ्वीवरती सर्व स्वार्थी माणसे असती तर आपली पृथ्वी इतकी सुंदर राहिली नसती. जगात अशीही माणसे आहेत. ज्यांनी स्वार्थाचा मार्ग सोडून प्रेमाचा आणि परमेश्वराचा मार्ग पडकला आहे.

या सर्व गोष्टी लक्षात घेतल्यानंतर हे समजते की प्रेमामध्ये देवाचा तर स्वार्थामध्ये दैत्याचा वास आहे. प्रेमामध्ये व्यक्ती उत्तम किंवा वाईट सर्व व्यक्तींना आपलस बनवते. सर्व लोकांचे यथासांग करते. कोणाचेही मन दुखेल असे कार्य करत नाही. हसत, खेळत, जीवन जगत असते. तर स्वार्थी व्यक्ती फक्त स्वतः विषयी विचार करते. मी कसा सुखी राहिल हे पाहते त्याची सुरुवात स्वतःपासून होते आणि स्वतःवरच संपते तो इतरांच्या मनाचा कधीही विचार करत नाही.

त्यासाठी स्वतःच्या स्वार्थाचा त्याग करून जीवनात प्रेमाला आपलेसे करावे. सर्वांवरती प्रेम करावे. या देवाने निर्माण केलेल्या सुंदर प्रकृतीवर, प्राणीमात्रांवर मनुष्यप्राण्यांवर प्रेम करावे. आपल्याकडे असलेले सर्व प्रेम हे वाटून टाकावे. कारण आपल्याकडेच जितके आपण लोकांना सुख देऊ तितूके आपल्याकडेच वाढते असे म्हणतात. प्रेमरुपी समुद्रामधून जर एक हंडाभर प्रेमरुपी पाणी तहानलेल्या व्यक्तीला दिलो तर प्रेमरुपी समुद्राचे पाणी कमी होत नाही. त्यामुळे आपला विस्तार निरंतर होत जातो. जर आपण स्वार्थी बनलो तर सुरु संकुचन होत जाते. त्यामुळे सर्वजण आपला राग, द्वेष, मत्सर करतील. आपल्याला त्यांच्या सर्व उत्तम कार्यांपासून दूर ठेवतील. कधीही आपल्याला त्यांच्या कार्यक्रमात बोलावले जाणार नाही.

हे लक्षात ठेवले पाहिजे. ज्यांनी समाज्यासाठी कार्य केले. समाजाला प्रेम दिले. त्यांना ब्रह्मांडसुद्धा लक्षात ठेवते. त्यांची थोरवी गाते. उदाहरणार्थ छत्रपती शिवाजी महाराज, डॉ. बाबासाहेब आंबेडकर, संत तुकाराम महाराज, स्वामी विवेकानंद इ. परंतु जे स्वार्थी बनून राहिले त्यांना कोणीही ओळखत नाही. उदाहरणार्थ कंस मामा, शकुनी मामा, अफझलखान इ. स्वामी विवेकानंदांनी कथन केलेले अक्षरशः सत्य आहे. "प्रेम विस्तार आहे, स्वार्थ संकुचन."

State Level Prize  
(Heartfulness Essay Event - 2019)  
Organisad by Shri Ram Chanalra Mission,  
United Nations Information Center and the Heartfulness  
Education Trust)

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## एकीकडे

एकीकडे माणूस काल पुरात बुडविला  
दुसरीकडे मात्र त्याला पाण्यासाठी तडफडविला...

एकीकडे आजही टिपूस नाही पाण्याचा  
दुसरीकडे मात्र अमाप वेग वाहण्याचा

एकीकडे महापुर नुसते पाणीच पाणी  
दुसरीकडे दुष्काळाने होतेय जीवाची हानी

एकीकडे नुसता पाऊसच पाऊस पडतोय  
दुसरीकडे माणूस थेंबा थेंबासाठी लढतोय...

एकीकडे पुरात सारं गेलं वाहून  
दुसरीकडे जीव गेले, कोरडी नदी पाहून...

एकीकडे चालू पुरातून वाचण्यासाठी घाई  
दुसरीकडे रडायला डोळ्यातही पाणी नाही...

एकीकडे झाली धडपड घरदार वाचवण्यासाठी  
दुसरीकडे कायमच भटकंती थेंबभर पाण्यासाठी...

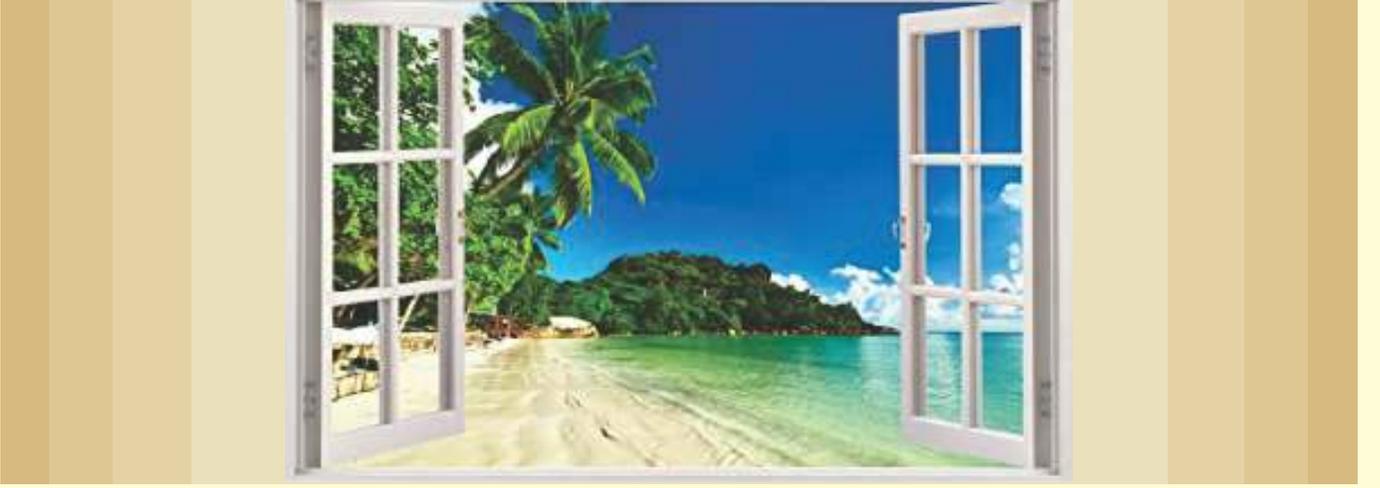
एकीकडे बंगले घर पाण्याखाली गेले  
दुसरीकडे पाण्याविना लाखो जीव मेले...

एकीकडे बसलाय पुराचा पाण्याचा वेढा  
दुसरीकडे चालू आहे दुष्काळाशी लढा...

एकीकडे नदीने मात्र काहुर माजवलाय  
दुसरीकडे श्रावणातही दुष्काळच गाजवलाय...

सौरभ कदम





## खिडकीतून खिडकीबाहेर

जेव्हापासून मी खिडकीत बसायला लागले तेव्हापासून मी वेगळ्याच विश्वात रममाण होत चालली आहे. जराशी उसंत मिळाली की खिडकीची दारे मला अपासुकच बोलवत असल्याचा क्षणभर भास होतो आणि मी नकळत तिथे ओढली जाते. आजही काहीसे तसेच झाले. खिडकीकडे एक कटाक्ष टाकला आणि ती काहीशी माझीच वाट पाहात असल्याचा क्षणभर भास झाला.

खिडकीजवळ गेले, तिथे बसले अन् चिमण्यांचा चिवचिवाट होऊ लागला आणि मला माझ्या अंतरंगात चालणाऱ्या चिवचिवाटाचा आवाज अधिकच स्पष्टपणे येऊ लागला, कित्येक उलाढाली चालल्या होत्या त्यावेळेस कोण जाणे! खिडकीजवळ बसले तेव्हा बाहेरचे जग झाकोळल्या गेलेल्या एका निस्तेज सांजेप्रमाणे भासले, बहुदा मनात चालणाऱ्या अस्वस्थतेमुळे सारे जग तसे भासत होते. पण तेव्हा खिडकीच्या त्या खरेपणाचे मला कौतुक वाटले, कारण तिने तिच्याप्रमाणेच स्वच्छ असणाऱ्या काचेतून माझ्या मनःपटलाचे नितळ पण तितकेच क्लेशकारक दृष्य समोर ठेवले, तेव्हा तिचे न राहवून मला अप्रूप वाटले की खिडकीसारखी एखादी क्षुल्लक गोष्ट सुद्धा मनातले भाव इतक्या खऱ्या अर्थाने दाखवू शकते तर माणसाचे असे का नाही? ती खिडकी तेव्हा माझ्या हिशेबी जरा भावच खाऊन गेली. जेव्हापासून खिडकीजवळ वेळ घालवत आहे तशी मी मला वेगवेगळी कळत चालली आहे. ती माझ्याशी हितगुज करते. तिच्या स्फटिकाप्रमाणे शुभ्र काचा हे जग शुभ्र आहे. असं सांगण्याचा नाहक प्रयत्न करतात. पण जेव्हा 'खिडकीतून खिडकीबाहेर' डोकवते तेव्हा जग काहीसे वेगळे भासते, मनाला न पटण्याजोगे!

थोडेसे निवांत क्षण आणि स्वतःच्या मनःपटलावर जमा झालेली

धूळ झटकण्यास मिळालेली ही नवी सोबती गरज लागेल तेव्हा माझी वाट पाहातच असेल अशी खात्री आहे. कारण तिलाही मोकळे व्हायचे आहे कधीतरी 'खिडकीतून खिडकीबाहेर'

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## पाऊलवाटेवर चालताना

आज परत त्या पाऊलवाटेवर चालताना मज तुझी आठवण झाली. तोच तो दूरवरचा अथांग समुद्र आणि क्षितीजासम भासणारी ती निळ्या-पांढऱ्या रंगाची मऊशार दुलई...

हे जग आभासी आहे याची याद मला ती पाऊले परत परत देऊन जातात...

आणि का कुणास ठाऊक पण परत तुझ्याच त्या पाऊलवाटेने दर्याच्या लहरीत शांतपणे विसावतात.

तीच पावले, तोच समुद्र पण त्यात नसलेला 'तू'

अलिप्तपणाची झालर ओढून पेरलेल्याची पुसटशी खूप दाखवतात. अन् मग त्याच समुद्राचा तळ गाठण्यासाठी निघालेली माझी पाऊले नकळत मागे सरतात.

ती केवळ तुझ्या आठवणीत परत पार डुंबून जाण्यासाठी.

आजही मन तुझ्याच आठवणींच्या गलबतात वाहून चाललय. बहुतेक 'थांबणं' हे त्यांना कदाचित माहितीच नसावं. निशेच्या गर्तेतील तो लहरींचा भयाण आवाज आणि रातकिड्यांच्या किरकिरीचा नाद अजूनही कानात गुंजतोय...

मग घ्यायला माझे ते गरगरणारे डोळे सारे जग पालथे घालतात.

तेव्हा फक्त चमचमणारे काजवेच माझ्या डोळ्यांतील अधीरतेची आस शमवतात.

दर्याच्या आसमंतालाही आता तुझा ठावठिकाणा माहीती नाही म्हणे... पण मी मात्र वेडी नकळत पावले मागे सारतीये ती तुझ्याच आठवणीत स्वतःस परावर्तित झालेली पाहण्यासाठी!

तुझ्या त्या आठवणींनी मला एकाकी कधी पडूच दिलं नाही. मला खूप मजा येते जेव्हा तो विस्तीर्ण सागर बाहू पसरून आपल्या साऱ्या आठवणींना कवत घेऊ पाहण्याची चेष्टा करतो.

तेव्हा मला अगदी हरखून जायला होतं आणि मी भाबडी त्या तरल लाटांवर अगदी अलवार तरंगते...

तो दर्या आता माझा खास सोबती बनलाय आणि तुला माहिती का? त्याने आपल्या दोघांच्या आठवणी एका कुपीत बंद करून ठेवल्यात... म्हणून मी परत परत त्याच पाऊलवाटेवर परततीये ती आठवणींची कुपी सुगंधीत ठेवण्यासाठी!

आपलं नातंही काहीसं असच होतं... दगडांवर थडकणाऱ्या समुद्री लाटांसारखं...

त्या थडकतात, मागे फिरतात आणि परततात, पण 'तू' परत कधी आलाच नाहीस रे!

असंख्य प्रश्न आयुष्याचे फासे मी कधीच तुझ्या हवाली केले होते. पण तू तर त्या फास्यांचे खेळणं केलसं...

अकल्पित कोड्यांना सोडवण्याची सुरुवात केली आहे. मी खरी... पण परत परत मागे फिरतीये ती तो आठवणींचा ओलावा टिकवण्यासाठी...

लाटांचा तो नाद ऐकला ना की मन कसं सैरभैर होतं. झटकून हातातून वाळूचा कण निसटावा तशी माझी ही झालेली अवस्था आणि त्यात खोलवर रुतलेल्या जखमांप्रमाणे तुझी ती पाऊले. अश्रूंना गोठवण्याची किमया तुला चांगली पार पाडता येतेय... अन् मी परत परत पावले मागे सारत आठवणींच्या गर्तेत खोलवर पडून कधीही परत न येण्यासाठी!

## प्रवास बोलक्या रेषांचा :

काही रेषा कागदावर उमटतात आणि एक वेगळीच चित्रकृती उभी करतात. याची अनुभूती मी गेल्या काही दिवसांपासून अनुभवत आहे. हो! एकेका रेषांच्या फटकाऱ्यांतून, लकेरीतून एक सुंदर चित्र आकार घेतानाची मी साक्षीदार आहे. मानवी हाव-भाव, समाजातील हास्यास्पद रुढी, राजकारणांतील शैरेबाजी या सर्वांची उलाढाल रेषांतून व्यक्त करण्याचे एक माध्यम म्हणजे व्यंगचित्रण, व्यंगचित्रण म्हणजे मोजक्याच पण तितक्याच समर्पकपणे मांडणी केलेल्या रेषांचे संमिश्र रेखाटन, असे मला काही दिवसांत कळालेले

साधे समीरकण.

एका स्पर्धेच्या निमित्ताने का होईना पण मला माझ्यात दडलेल्या सुप्त गुणाची ओळख करून दिली, ती याच रेषांतील फटकाऱ्यांनी, कधी-कधी दैनंदिन जीवनातील घडणाऱ्या घडामोडी, गंमती-जंमती, समाजातील रुढी-परंपरा, राजकारण्यांच्या चालीरीती या सतत बोलून किंवा लिहून मांडण्यापेक्षा त्या ब्रशच्या फटकाऱ्याने कागदावर उमटल्या तर त्या अतिशय प्रखरपणे सामान्य व्यक्तीपर्यंत जाऊन भिडतात ही एक गोष्ट मला कळाली. त्याहूनही १००% पटलेली गोष्ट म्हणजे सामान्यातल्या सामान्य माणसाला डोके न लावता कळणारी गोष्ट म्हणजे व्यंगचित्रण.

रेषांची जाडी, लांबी, रुंदी जेवढी कमी-जास्त होते तशी त्या चित्रातील व्यंगात्मक बाजू अधिक ठळक होत जाताना मी पाहिले. व्यंग म्हणजे नुसतीच टिका-टिपणी नव्हे तर एखाद्या व्यवस्थेवर प्रकाश टाकणारी एक निखळ-मनोरंजनात्मक कला असेही या प्रवासात समजत उमजत आहे. पहिल्यांदाच मला कळाले होते की केवळ रेषांच्या माध्यमातून माणूस व सद्य परिस्थिती यांना बोलते करता येऊ शकते. चित्रांचा सराव करताना त्या साध्या रेषांचा चित्रशैलीतील रेषांना जवळून निरखून पाहण्याचा छंद मला जडला. प्रत्येक गोष्टीचा एक अँगल असतो तसाच रेषांचाही अँगल तोलून-मापून माझ्या परीने रेखाटण्याचा मी प्रयत्न केला. व्यंगचित्रांना अभ्यासताना बऱ्याच बड्या कलाकारांची चित्रे पाहण्यात आली, तेव्हा त्यांच्या चित्रांतील रेषांमधून त्यांच्या विचारांची स्पष्टता, रेषांतील सहजता, प्रगल्भता आणि मुख्य म्हणजे चित्रांना बोलते करण्याची शैली उमजली. याच रेषांनी मला वाक्यांतील दोन शब्दांतील अंतर आणि जागा ओळखण्याची ट्रिक शिकवली. रेषा वळवाल तशा वळतात. पण त्या वळवण्यासाठी लागणारी निरीक्षण शक्ती वाढवण्यासाठी रेषांनीच शिकवले. तीच सहजता, प्रगल्भता माझ्या चित्रांना अधिक कल्पक करत आहे. माणसे बोलतात, हसतात, रागवतात, चिडतात, आश्चर्यचकित होतात, पण केवळ रेषांच्या फटकाऱ्यांतून त्यांचे निर्विकार चित्र उमटते तेव्हा या जादुई रेषांच्या मला प्रेमात पडायला होतं.

केवळ एक चित्र म्हणून पाहणाऱ्या 'मीस', या रेषांनी मला प्रेमात तर पाडलेच पण माझ्या विचारांना, चित्रांना आणि रेषांमधून उतरणाऱ्या माझ्या भावनांना अधिक बोलके केले. आता मी वाक्यांतील दोन शब्दांमध्ये दडलेले अर्थ समजू-उमजू शकते ते केवळ बोलक्या रेषांमुळे. त्या रेषांची भुरळ अजूनही माझ्यावर आहे. म्हणूनच आजकाल मला माझ्या विचारांची स्पष्टता आणि कुंचल्यातून उमटणाऱ्या रेषांचे स्वरूप आज बोलके वाटते. हाच छोटा प्रवास माझ्या नकळत खूप काही शिकवून गेला न बोलताही बोलक्या रेषांतून!

## साहित्य की उपादेयता

-भाग्यश्री पिंगळे, F.Y.B.A



मानवी-जीवन और उसके द्वारा गठित समाज संसार में सर्वोच्च है। इस कारण साहित्य, कला, ज्ञान-विज्ञान, दर्शन, धर्म आदि स्थूल या सूक्ष्म संसार में जो कुछ भी है, वह सब जीवन और मानव/समाज जीवन के लिए ही है। मानव एक सामाजिक प्राणी है। वह व्यक्ति या समूह के स्तर के बारे में जो कुछ भी सोचता, विचारता, करता है उसे भावना के स्तर पर संजोया करता है। लेन-देन की यह प्रक्रिया साहित्य और समाज जीवन के आपसी संबंधों को प्रायः स्पष्ट कर देती है।

मनुष्यों की भीड़ को उसी तरह समाज नहीं कहा जा सकता। वास्तव में समाज मनुष्यों के उस छोटे-बड़े समूह को कहा जाता है, जो भावनात्मक स्तर पर आपस में जुड़ा हुआ रहता है। जीवन और समाज दोनों का जन्मजात स्वभाव गतिशील और विकासशील रहा करता है। वैसे ही जैसे अपने निकास यमुनोत्री या गंगोत्री से निकल कर यमुना गंगा या इसी प्रकार की अन्य नदियों का रहा करता है। साहित्य और साहित्य कार भी अपने स्वभाव से कुछ ऐसा ही कार्य किया करते हैं। समाज भी भीतर-ही-भीतर से सड़ गल कर एक निरन्तर बहते रहनेवाला गठित कोढ़ बन जाया करता है। सजंग सजीव साहित्यकार हमेशा इस बात के लिए प्रयत्नशील रहा करता है जिससे समाज की बुराइयाँ और विडम्बनाएँ दबने न पाए। तब साहित्य और साहित्यकार को समास का अगुवा एवं नेतृत्व करनेवाला कहा जाता है।

साहित्य समाज का दर्पण होता है समाज में जो भी अच्छा व बुरा होता है साहित्य उसे सच के साथ दिखाता है। लेखक जोभी सोचता है वैसे ही साहित्य में उसकी कलम चलेगी। लेखक की एक बहुत बड़ी जिम्मेदारी बनती है कि वह निष्पक्ष लिखे। जो सबके हित के लिए हो वही साहित्य है। साहित्य की रचना मानव मस्तिष्क की अनुपम देन है। जीवन के हर मोड़ पर साहित्य आपके मार्गदर्शन के लिए तैयार रहता है। अच्छे साहित्य का हमारे जीवन में वही महत्त्व है जो एक अच्छे मित्र, अच्छे समाज जीवन

का हो सकता है।

साहित्य समाज में नैतिक सत्य की चिन्ता है। यह समाज की दूगामी वृत्तियों का रक्षक तत्व भी है। तभी तो प्रेमचन्द ने साहित्यकारों को सावधान करते हुए साहित्य के लक्ष्य को बड़ी मार्मिकता से रेखांकित करते हुए कहा था। साहित्य में सत्य की साधना है। शुद्ध, जीवन्त एवं उत्कृष्ट साहित्य मानव एवं समाज की संवेदना और उनकी कृतियाँ आज भी अपनी रससुधा से लोगों के हृदय को आप्लावित कर रही है। जीवन की तरह साहित्य में भी संघर्ष की बात चलती रहती है।

साहित्यकार मनुष्य की नियतिगत विवशताओं के सामने विकल्पों, प्रारूपों तथा सम्भावनाओं का मानचित्र खड़ा करके प्रतिरोधक बल की सिद्धी का मार्ग प्रशस्त करते हैं। समाज में साहित्य की सत्ता एव स्थिती का एक और पक्ष है। जीवन की अभिव्यक्ति यथार्थवाद है और अभावों की पूर्ति आदर्शवाद। मानव सृष्टी का सर्वश्रेष्ठ प्राणी है और साहित्य उसकी महानतम उपलब्धि मानी गई है। साहित्य को हम अपने ही लिए उपयोगी एवं सबल बना सकता है। इस सारे विवेचन से स्पष्ट हो जाता है की साहित्य समाज जीवन की उपेक्षा कदापि नहीं कर पाता। साहित्य और समाज जीवन दोनों का मानव-कल्याण एवं लोक-मंगल-विधान का एक मात्र और लक्ष्य पूरा हो सकता है।

साहित्य की इन्हीं खूबियों के कारण इसे समाज का दर्पण कहा जाता है। वास्तव में देखा जाए तो साहित्य एक स्वायत्त आत्मा है जिसमें मनुष्य का एक युग चित्रित होता है। साहित्य और समाज जीवन महत्त्वपूर्ण है। साहित्य में सत्य की साधना है, शिवत्व की कामना है। प्राचीन ग्रीक साहित्य क्यों न हो दास-प्रथा है। जीवन की तरह साहित्य में भी संघर्ष चलता आया है। साहित्य मानव अनुभव की अद्वितीय अवस्था को अपने भीतर संजोए हुए है।

साहित्य संस्कृत के 'सहित' शब्द से बना है। संस्कृत के विद्वानों के अनुसार साहित्य का अर्थ है- 'हितेन सह सहित तस्य भवः' अर्थात् कल्याणकारी भाव। साहित्य का उद्देश्य केवल मनोरंजन करना नहीं है। इतका उद्देश्य समाज का मार्गदर्शन करना भी है। सामाजिक जीवन में नैतिक मूल्यों का पतन होने लगता है। वर्तमान में मीडिया समाज के लिए मजबूत कड़ी साबित हो रहा है। समाचारपत्रों की प्रासंगिकता सदैव रही है। समाचारपत्रों में साहित्य का समावेश करना चाहिए जिससे वे अपनी परंपरा को समृद्ध बना सकें। साहित्य ने सदैव राष्ट्र और समाज को नई दिशा देने का कार्य किया है। साहित्य ने जनमानस को सकारात्मक सोच तथा लोककल्याण के कार्यों के लिए प्रेरणा देने का कार्य किया है।

साहित्य के विकास की कहानी मानव सभ्यता के विकास की गाथा है। जीवन के बिना साहित्य की कल्पना भी असम्भव है और साहित्य की समृद्धि के बिना जीवन एवं समाज का सम्यक विकास असम्भव है।

हर बड़ा रचनाकार पूर्ण रूप से समाज-विशेष की ही देन होता है और उसी समाज विशेष की भाषा, संस्कृति, परम्पराओं और इतिहास के

दायरे में उसकी रचनात्मक अभिव्यक्ति पाता है इसलिए जिस साहित्य का अपने समाज से जितना आदन-प्रदान होगा, वह साहित्य उतना ही जीवन्त संवेदनशील एवं प्रभावशाली होगा। साहित्य की पूर्णता के लिए यथार्थवाद और आदर्शवाद दोनों का समन्वित रूप आवश्यक है।

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## पुन्हा एक निर्भया

दोष नव्हता तिचा,  
ती फसली गेली होती...  
स्वतःचा प्राण सोडून ती,  
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तिथं राम मंदिर बांधून तरी काय फायदा...

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-तेजस्वी मोहिते  
संकलक अपर्णा साठे , MSc-I

बघ ना आई वेळ आज कशी वैरीण झालीय  
तुझी भेट न घेताच माझी जाण्याची वेळ आलीय  
घायाळ जरी झालो तरी, अजुनसुद्धा लढतो आहे  
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तुझ्या प्रेमाच्या वर्षावातून पुन्हा एकदा भिजावं  
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आली वेळ मला सोडून रित्या हाती जाणार नाही  
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मरणा आधीच मरतो आहे.  
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करण बसल्या आहेत. आत्ताच चार दोन  
गोळ्या उजव्या दंडात घुसल्या आहेत  
उजव्या दंडात गोळी घुसताच तुझी आठवण हेलावून  
गेली

मी तुझा उजवा हात आहे  
असं म्हणायची वेळही आता सरून गेली  
आपल्या छोट्या छकुलीची काळजी तू घेत जा  
माझ्या वाटणीची राखीसुद्धा तू बांधत जा  
आपल्या तिघांचा लहानपणीचा फोटो पाहून  
एकटाच झुरतो आहे

झूरता झूरता भैया पत्र शेवटचे लिहितो आहे.  
रक्षाबंधनाला बांधलेला राखीचा धागा  
छकुली अजून हातात आहे  
यावेळची ओवाळणी दिली नव्हती, हे ही माझ्या  
ध्यानात आहे  
तूच सांग छकुली आता, तुला ओवाळणी काय देऊ  
इथून निघून गेल्यावरती, रक्षाबंधनाला कसा येऊ  
ज्या हातात राखीचा धागा आहे,  
त्या हाताने लिहितो आहे  
तुला आठवता आठवता छकुली,  
पत्र शेवटचे लिहितो आहे  
माझ्यामुळे सखे तुझं, आयुष्यच विराण होणार आहे  
माझ्यासोबत मी तुझं, सर्वस्वच नेणार आहे  
आपल्या दोन चिमण्यांना माझा, शेवटचा पापा दे  
त्यांच्या डोळ्यांवर तुझा हात ठेऊन,  
माझा शेवटचा आशीर्वाद दे  
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काळोख माझ्या डोळ्यासमोर थैमान घालत आहे  
आई... आई... आई...  
पुन्हा चार दोन गोळ्या काळजामध्ये लागल्या आहेत  
तशा तुझ्या सगळ्याच आठवणी मनामध्ये जगल्या  
आहेत  
माझ्या डोळ्यासमोर आई काळोख दाटून येतो आहे  
इच्छा नसतानाही तुझा शेवटचा निरोप घेतो आहे  
आई जमलंच तर पुन्हा मी जीवन होऊन येणार आहे  
अन् त्यावेळी फक्त तुझ्या दरी जन्म घेणार आहे  
आई आता तू रडू नकोस तूझ्या उसाश्यांचा  
आवाज कानी येतो आहे  
आवाज ऐकता ऐकता... लढता, लढता...  
झूरता झूरता मरता मरता  
पत्र शेवटचे लिहितो आहे. पत्र शेवटचे लिहितो आहे

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## मन के हारे हार है मन के जीते जीत... ज्योती कोळपे, F.Y.B.A

“ जो भी परिस्थितियाँ मिले छाँटे चुभे कालियाँ खिले,  
हारे नहीं इंभान है, अंदेश जीवन का यही!”

मनुष्य का जीवन चक्र अनेक प्रकार की विविधताओं से भरा होता है, जिसमें सुख-दुख, आशा निराशा तथा जय-पराजय के अनेक रंग समाहित होते हैं। वास्तविक रूप में मनुष्य की हार और जीत उसके मनोयोग पर आधारित होती है। मन के योग से उसकी विजय अवश्यभावी है परंतु मन के हारने पर निश्चय ही उसे पराजय का सामना करना पड़ता है।

मनुष्य जीवन संचालन उसके मस्तिक द्वारा होता है। मन का सीधा संबंध मस्तिक से है। मन में हम जिस प्रकार विचार धारण करते हैं हमारा मन शरीर उन्हें विचारों के अनुरूप ढल जाता है। हमारा मन मस्तिष्क यदि निराशा व अवसादों से धिरा हुआ है तब हमारा शरीर भी उसी के अनुरूप शिथिल पड़ जाता है।

दूसरी ओर यदि हम आशावादी हैं और हमारे मन में कुछ पाने व जानने की तीव्र इच्छा हो तथा हम सदैव भविष्य की ओर देखते हैं तो हम इन सकारत्मक विचारों के अनुरूप प्रगती की ओर बढ़ते चले जाते हैं। हमारे चारों ओर अनेक ऐसे उदाहरण देखने को मिल सकते हैं कि हमारे ही बीच कुछ किर सदैव सफलता पाते हैं। वही दूसरी ओर कुछ व्यक्ति जीवन के हर क्षेत्र में असफल होते चले जाते

हैं। दोनों प्रकार के व्यक्तियों के गुणों का यदि आकलन करें तो हम पाँएंगे कि असफल व्यक्ति प्रायः निराशावादी तथा हीन भावना से ग्रसित होते हैं।

कठीण से कठीण परिस्थितियों में भी वह जीतने के लिए निरंतर संघर्ष करते रहते हैं और अंत से विजय भी उन्हें अवश्य मिलती है। ऐसे व्यक्ति भाग्य पर नहीं तो अपने कर्म से आस्था रखते हैं। वे अपने मनोबल तथा दृढ़ इच्छा शक्ती से असंभव को भी संभव कर दिखाते हैं।

ऐसे व्यक्ति संघर्ष से पूर्व ही हार स्वीकार कर लेते हैं। धीरे-धीरे उनमें यह प्रयत्न भावना बैठ जाती है की वे कभी भी जीत नहीं सकते हैं। वही दुसरी ओर सफल व्यक्ति प्रायः आशावादी व कर्मवीर होते हैं। वे जीतने के लिए सदैव प्रयास करते हैं।

मन के द्वारा संचलित कर्म ही प्रधान और श्रेष्ठ होता है। मन के द्वारा जब कार्य संचलित होता है। मनुष्य अपनी संपूर्ण मानसिक एवं शारीरिक क्षमताओं का अपने कार्यों में उपयोग तभी कर सकता है जब उसके कार्य मन से किए गए हों। अनिच्छा या दबाववश किए गए



कार्य में मनुष्य कभी भी अपनी पूर्ण क्षमताओं का प्रयोग नहीं कर पाता है। अतः मन के योग से ही कार्य की सिद्धि होती है। मन के योग के अभाव में अस्थिरता उत्पन्न होती है। मनुष्य यदि दृढ़ निश्चयी है तथा उसका आत्मविश्वास प्रबल है तब वह सफलता के लिए मनोयोग से संघर्ष करता है।

सफलता प्राप्त में यदि विलंब भी होते हैं अथवा उसे अनेक प्रकार के कष्टों का सामना करना पड़ता है तब भी वह क्षण भर के लिए भी अपना धैर्य नहीं खोता है। एक-दोन चरणों में यदी उसे आशातीत सफलता नहीं मिलती है तब भी वह संघर्ष करता है और अंतः विजय उसे ही प्राप्त होती है।

इसलिए सच ही कहा गया है की मन के हारे हार है, मन के जिते जीत। हमारी पराजय का सिधा अर्थ है की विजय के लिए पूरे मन का प्रयास नहीं किया गया। परिस्थितियाँ मनुष्य को तभी हारने पर विवश कर सकती है जब वह स्वयं घुटने टेक दे। कई बार परिस्थितियाँ अथवा जमिनी सच्चाइयाँ इतनी भयानक होती है कि चाहकर भी कुछ नहीं कर पाता परंतु दृढ़निश्चयी बनकर वह धीरे-धीरे ही सही परिस्थितियों को अपने वश में कर सकता है। अतः संकल्पित व्यक्ति समय की अनुकूलता का भी ध्यान रखता है।

मनुष्य की वास्तविक शक्ति मनोबल ही है। मनोबल से हीन मनुष्य को निर्जिव समजना चाहिए। संसार के सारे कार्य शरीर द्वारा ही सम्पादित होते हैं किन्तु उसका संचालक मन ही हुआ करता है। मन का सहयोग पाये बिना शरीर यन्त्र उसी प्रकार निःक्रिय रहा करता है, जैसे बिजली के अभाव में सुविधा- उपकरण अथवा मशीने आदि।

बहुत बार देखा जा सकता है कि साधन शक्ति तथा आवश्यकता होने पर जब मन नहीं चाहता तो उसका स्वीकार नहीं होता। इसलिए सच ही कहा गया है कि 'मन के हार है, मन के जीते जीत। हमारे पराजय का सिधा अर्थ है की विजय के लिए पुरे मन से प्रयास नहीं किया गया। परिस्थितियाँ मनुष्य को तभी हारने पर विवश कर सकती हैं जब वह स्वयं घुटने टेक दे।

हाँलाकि कई बार परिस्थितियाँ अथवा जमिनी सच्चाई इतनी भी भयावह होती हैं की व्यक्ति चाहकर भी कुछ नहीं कर पाता परंतु दृढ़निश्चिती बनकर वह धीरे धीरे ही सही परिस्थितियों को अपने वश में कर सकता है। अतः संकल्पित व्यक्ति समय की अनुकूलता का ध्यान रखता है। दुसरी ओर सफल व्यक्ति प्रायः आशावादी व कर्मवीर होते हैं। वे जीत के लिए सदैव प्रयास करते हैं।

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## The street boy



**Strolling through the streets  
as I move on you judged me as a begger  
with a filthy clothes on 'Poor little kid'  
you just declare you throw away  
your leftovers, and don't even care.**

**No wonder, I never dream to win  
where collecting plastic bottles  
is still my daily routine**

**You made begging a choice &  
not an option child labour is a crime,  
well that's your deception**

**'Thieves' said one 'notorious' said the other  
we are the deprived why do you bother  
with those rushy hair,  
swollen eyes & empty stomach  
Idols are being offered that make me  
wonder**

**We beg, we earn we die each day  
This days will certainly go away  
Sleeping without blanket  
I still resist to cry making wishes to the  
shooting star in the open sky.**

-Shovik Mal, MSc

## Book Friend

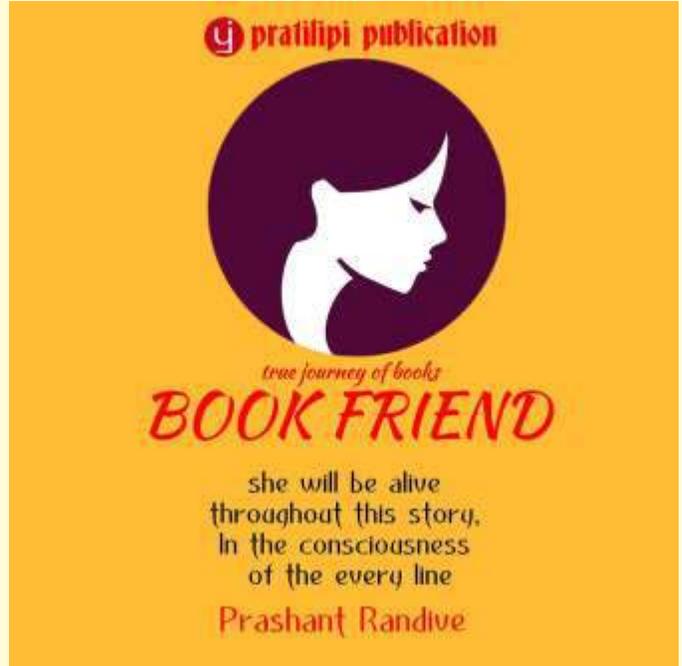
Prashant Randive

In life, we sometimes meet someone who are trying to hide too much. Sometimes, whenever we are on the road, that person should become our very best friend and this is the muted desire. To try to make a relationship with that person, you try to do so. In short, you just start talking about it. You just need a simple reason to talk to a person and if you get it then you should not ask for happiness.

Here there is no such thing as girlfriend, boyfriend and more here is the happiness that you get by talking to, chatting, meeting, joking with that person. And it's about the real story of RISHI.

After coming to Pune, Rishi got very awkward. Because away from the village, staying here in Pune was a very difficult thing for him. In Pune, new colleges, new friends, new cities, new houses, new languages, new teachers and all started meeting and then in this newness, Meet new friends also. Because of his tactful nature, some of them started mixing with him as well. Sometimes he did not like to live like this. In beginning he got a girl as a best friend, but very good. In a few days, her boyfriend would not be surprised to be with her sage. And finally she had to keep a distance too, so that the sage later became very troubled. Because 'my special friend, along with a boxer, a quarrel, a Bestie, I saw today that if the wires change, then she becomes more busy because he goes away, so he starts to feel resounding.

And finally he was alone in the crowd. He came, but for this purpose to study, he was completely blind. How did he stay with his other friends and look for the wait and in some days he was pet, but still he did not find himself completely. Every boy wants a girl as a friend with whom he



can share everything, and every girl also need a friend who can tell all the things with the blurry. It may be possible that this friendship will change later or not, or it will remain a friend till the end, but this is all fact.

Then Rishi started studying slowly and lined up in January. For the first time in January he is mixed with other people and mixed with all of them. Month of cultural program for January. In this, Rishi also participated, and then a new friend of his class became his special character.

Then he got along with her, and impressed by her, many things for explaining and understanding nature. The phone number was also erroneously detected in the speed of the program. But to get this number, he had no intention of making any effort, it was easily available without any cough. But he did not feel so special about her. It started to be normal, natural, there was no drama acting in it. Mostly the exams were over, and all went away.

Rishi also went home. A month has gone, for two months, and then he was cremated. Sometimes, if he feels boring, sometimes he calls her spend his time to chat with her, if he wants to see her then do I call a video? He is afraid to ask and she too says yes. Then after listening to the video call, it was the happiest time.

So many days went away and the holiday ran out, Rishi came to Pune and had a week. During this period, he would sometimes talk to her, but due to this little talk, he came to know that her nature. There was a lot of talk during the college's admission. He became habituated. She was completely unknown about this, but she did not know.

He even took the same opinion in every small decision during admission. However, he also started to tell her every little thing. Sometimes she got a phone call, he was writing in the diary every words by her, the time of the phone with minutes and every seconds. But it is important to remember one thing here again. If this did not mean that his behaviour has fallen in love with her, then it would have seemed as a very important person. If you talk to her, then he gets all day well. He used to write many poems, poetry, stories and others in that time, but first he showed to her, every important thing. He used to tell her abny unexpected event, he also talked to her about any worries. In any decision, he considered her opinion as very important. There was a possibility that she might be possible to understand. He stopped with her till the end of her admission, because he was alone and could only spend time with her. Even his hunger with eating plays while hungry and Canteen had the joy of eating vada pav was not as uncommon in words. Then gradually the discussion of the study increased with the discussion about the UPSC increased and the study also increased

due to this. Rishi did not know how much or how she studied, but the thing that she would tell about it was believably true. He never thought that her words were false. So those discussions come in depiction even with humorous joke.

But on the way to study she was the inspiration of the Rishi, but it is true! One day he came to know that she has done a lot of reading more and more. Rishi also looked good with books. But when he listened to her reading list, he kept quiet because he had read a lot, but he did not believe, that anyone else would have read most.

Really she had done the reading of 2-3 hundred novels and many more.

and then she got more respect at his eyes. he did not have any hesitation in talking 42 minutes with her, on the same day but he had a lot of respect for her. Then he tried to read the books that she had already done.

No one else was around him, so only two things got connected. One, she herself and secondly, the book given by her. Then it would be nice to read a book with a madness after completing last one, there was a golden opportunity for him to take new book and to read the new book that would be nice to meet her. He sometimes praised her but she replies saying, 'Do not bury me on a tree'. It was also very nice to say that. The sage continued to talk about the same thing as being the first person to sit in the night. Then sending a good Thought to her by giving good morning, and reading the book given to her was very mysterious. It is said that the girl do spoil boys, boy and girl can never be good friends. But I think this is wrong. People will understand that this is a craze by reading the above description, but it is not madness; but a good habit of good habits. It is the message that he speaks in recent times. And the same does not make him feel anything because he need her.

Her words and her companionship gives him strength and then he runs very fast and happily on the road to struggle. She should first make me the first message, she speak the first goodnight or she does not think 'she feels anything to me' he does not think, it appropriate to think that if she and the sage are to be distraught or uncommu-nicative by such reason he consider those thoughts as zero.

The journey that started with this mistake is very pleasant. And now she is not only a friend of Rishi, she is his BF, do not be shocked.

She is his book friend, he does not know how long she will be with, but the time will be the dare to read all the books in the world.

Nothing like this friendship; that she believes so intensely, but happy as it is..Because he has her concern and love is on the book. At the same

time, I would have thought that I would tell her all this. In other words than the word's word it cannot be from hearth.

Initially, an unexpected girl met, then she got friend But she gave me life partner..

In the form of books..

Whether she will be happy when she will read or not or may be feel angry..

does not know about such a situation. But her anger also looks like a bookstore. And she will be alive throughout this story. In the consciousness of the every page and every single line.

Now I just stop...because I don't want to confine this relationship in little words,

We will meet again on the new page of the new book, with a new story of life, by decorating the front page.



## स्थलांतर

स्थालांतर झाले तुमचे आमचे  
आपल्यातील प्रत्येक आठवणींचे  
स्थलांतर झाले, आजचे उद्याचे  
आपल्यातील प्रत्येक विचारांचे

स्थलांतर झाले खेड्यातून शहराकडे,  
प्रत्येकाच्या आपआपल्या यशाच्या वाटने  
स्थलांतर झाले प्रत्येक व्यक्तीच्या दृष्टीकोनाचे  
आपल्यातील प्रत्येकाच्या राहणीमानाचे

स्पर्धेच्या युगात झाले स्थलांतर  
पृथ्वीवरून थेट चंद्रावर  
प्राणी, पक्षी झाली स्थलांतरित  
आप-आपल्या स्वबळावर

-दिपक जाधव, F.Y.B.A.

## पुणे ते झारखंड (पूर्व सिंधभूम) स्थलांतराचा प्रेरणादायी अनुभव

सुमित संजय काळे  
T.Y.B.A.

पुणे हे विद्येचे माहेरघर म्हणून ओळखले जाते, हे तर सर्वांना माहितच आहे. परंतु ज्ञान प्राप्त करण्यासाठी येणाऱ्यांबरोबरच, ज्याच्यापर्यंत मान पोहोचणे अवघड असते. त्यांनाही ज्ञानाचा प्रकाश पोहोचवण्याचे कार्य हे शहर कसोटीने करत असते. सामाजिक व शैक्षणिक संस्कृतीचा वारसा लाभलेल्या या शहरात शिक्षणाचा प्रसार व्हावा, समाजातील प्रत्येक घटकाला ज्ञानाचे महत्त्व कळावे, ज्ञानप्राप्तीसाठी रुची निर्माण व्हावी यासाठी अविरत प्रयत्न केले जातात.

यातीलच एक महत्त्वाची संस्था जी विद्यादानाचे कार्य करण्यासाठी कायम अग्रस्थानी असते. ती म्हणजे 'ज्ञानप्रबोधिनी' ही समाजसेवी संस्था कें. विनायक विश्वनाथ तथा अप्पा पेंडसे यांनी १९६२ मध्ये स्थापन केली. कार्यप्रबोधन विचारप्रबोधन, लोकमानसात नवचैतन्य निर्माण व्हावे. या हेतूने ही संस्था कार्य करते. नवीन पिढीमध्ये नेतृत्व गुण वाढवणे यासाठी वेगवेगळे उपक्रम घेतले जातात. यातीलच एक अनोखा उपक्रम जो मुलांमधील नेतृत्व गुणांबरोबरच समाजातील अविकसित भागांमधील मुलांमध्ये ज्ञान-विज्ञानाची रुची तयार करतो. विवेक पॉक्षे यांनी 'ज्ञानसेतू' उपक्रमाची स्थापना या हेतूने केली.

ज्ञानसेतू ही संस्था महाविद्यालयात शिक्षण घेणाऱ्या मुलांच्या मदतीने देशातील अति ग्रामीण अविकसित भागांमधील शाळेतील मुलांना विज्ञानाची रुची निर्माण व्हावी व शिक्षणास प्रोत्साहन मिळावे यासाठी दरवर्षी वेगवेगळ्या राज्यांमध्ये असे उपक्रम आयोजित करत असते. देशातील इतर भागांमध्ये काम करणाऱ्या स्वयंसेवी संस्थासोबत हा उपक्रम आयोजित केला जातो. हा असा उपक्रम आणि मॉडर्न कॉलेज, गणेशखिंड यांचे जरा जवळचे नाते आहे. नवनवीन उपक्रमांना मॉडर्न कॉलेज कायमच सहकार्य करत असते. मागील वर्षी आसामच्या ग्रामीण भागात जावून आलेल्या विद्यार्थ्यांच्या अनुभवाने, यावेळी झारखंडाच्या जंगलांमध्ये नवीन अनुभव घेण्यास विद्यालयाने रुची न दाखवली तर नवलच...

ज्ञानसेतूच्या या उपक्रमामध्ये आपल्या कॉलेजची सात विद्यार्थी व बाहेरच्या विद्यालयांची तीन असे दहा जणांचा गट करण्यात आला. या उपक्रमात सुमित काळे, भुषाली मुसळे, प्रतिक्षा राजपुत, अनिकेत घाडगे, सिद्धेश नेवे, शार्दुल उबंरकर, नितिन हलगुडे, अदिती राजपुत, महेश येणारे, मयुर मामनकर यांचा सहभाग होता. अजून एक गोष्ट म्हणजे आसामला जाऊन आलेल्या गटासोबत भूगोल विभागाचे प्रमुख श्री. संजय पाटील सर होते. मात्र यावर्षी जाणारा गट हा फक्त दहा जणांचाच होता. सोबत कोणीही शिक्षक

येणार नव्हते. या उपक्रमाची वेळ तारीख, सगळं ठरलं आणि तयारी सुरु झाली. जाण्याच्या अगोदर आमच्या गटाची कार्यशाला घेण्यात आली. त्यामध्ये आम्हाला तिथे जाऊन नेमके मुलांना काय शिकवायचं नवीन मुलांना बोलतं कस करायचं. त्यांना विज्ञानाची गोडी कशी लावायची याच्या बदल माहिती दिली. त्यानंतर या माहितीच सादरीकरण करताना अडचणी येऊ नयेत. यासाठी आम्हाला प्रात्यक्षिक करून दाखवावं लागलं. विज्ञानाच्या प्रयोगासाठी लागणारे सर्व साहित्य पुरवण्यात आले होते.



झारखंड राज्यातील पूर्व सिंधभूम जिल्ह्यातील गुराबंदा आणि डुमरिया तालुक्यामधील शाळांमध्ये जायचं ठरलं. याची व्यवस्था झारखंडमधील सीड्स (The Social-Economic and Educational Development Society) या स्वयंसेवी संस्थेने केली होती. १८ नोव्हेंबर ते २२ नोव्हेंबर या पाच दिवसांत याचे नियोजन होते. १६ नोव्हेंबरला ७ मुले व ३ मुली, आझाद हिंद एक्सप्रेस ने टाटानगरला रवाना झालो. या १० जणांची जबाबदारी म्हणून ग्रुप लीडर हे पद सुमित काळे याकडे सोपवण्यात आले. आमच्यापैकी काही जण तर अजून रेल्वेमध्ये कधीही बसलेले नव्हते. त्यांनी जवळपास ३२ तास रेल्वे प्रवासात घालवले.

टाटानगरला आम्ही सर्व १८ नोव्हेंबरला रात्री एक वाजता पोहोचलो. रात्री टाटानगरलाच एका छोट्या डॉरमेंट्री मध्ये झोपलो. सकाळी ७ वाजता आम्ही आमच्या नियोजित ठिकाणाकडे निघण्यासाठी तयार झालो. सीड्सचे अधिकारी श्री. एम.एन.झा हे आम्हाला घ्यायला आलेले होते. तेथून आम्ही आमच्या राहण्याच्या ठिकाणी म्हणजे गुराबन्दा येथे पोहोचलो. आम्हाला तयार होऊन लगेच ठरवून दिलेल्या शाळांमध्ये पोहोचायचे होते. आमचे ठरल्याप्रमाणे ३ गट पाडले होते. जेणेकरून जास्तीत जास्त शाळांपर्यंत पोहोचता येईल. पहिल्या दिवशी आम्ही गुराबन्दा येथीलच शाळेत २ गट व शेजारील

हातीयापाटा येथे एक गट पाठवला. पहिला दिवस, घरापासून १९०० कि.मी. दूर, नवीन लोक, मुले नवीन ते आपल्याशी बोलतील का? आम्हाला जे सांगायच हे त्यांना समजेल वा असे कितीतरी प्रश्न मनात घेऊन आम्ही त्या वर्गामध्ये गेलो. सुरवातीलाच सर, मॅडम न म्हणता भैय्या आणि दिदी अशी ओळख करून दिल्यामुळे मुलांना थोड बरं वाटलं. त्यानंतरचे तीन तास कविता, खेळ, विज्ञानाचे मजेदार प्रयोग यातच गेले. तेथील नावे कळण्यात अडचण येते होती. असे सगळे पहिल्या दिवशीचे आंबट-गोड अनुभव घेऊन आम्ही शाळेशेजारीच असलेल्या आमच्या निवासस्थानी म्हणजेच पंचायत समितीच्या दोन खोल्यामध्ये आलो. झाँ सरांनी आम्हाला पुढचे नियोजन, स्थानिक मदतीला असणाऱ्या सोनालीची व संजु मुंडा यांची ओळख करून दिली. इथून पुढे पाच दिवस सगळी जबाबदारी आमच्यावरच होती.

गुराबन्दा हे तालुक्याच ठिकाण असलं तरी खूप अविकसित गाव आहे. जास्त तर आदिवासी जमाती इथे राहतात. गावात पक्की घरे तर फार कमी. आठवडी बाजार सोमवारी भरतो. येथे मुंडा, संधाली या आदिवासी जमाती राहतात. इथली मातृभाषा बंगाली आहे. या गावाच विशेष म्हणजे झारखंड राज्य, गावापासून ३ कि.मी. वर ओडिसा राज्य आणि येथे बोलली जाणारी भाषा 'बंगाली' ही सगळी माहिती आम्हाला गावात फिरताना भेटणाऱ्या लोकांकडून कळाली. येथील जीवन आजही खूप साधं आहे. जेवणात तर भाताचा खूप वापर आहे. येथे सूर्य तर ४:३० लाच मावळतो. पहिल्या दिवशी ७:३० वाजता गावात झालेली शांतता व अंधार बघून आम्ही सर्वच आश्चर्यचकीत होतो.

दुसऱ्या दिवसापासून आम्ही लांबच्या शाळामध्ये जाण्यास सुरवात केली. तेथील महेशपूर व सेरालडीट या गावामध्ये संधाली भाषा बोलली जाते. त्यामुळे त्या मुलांना हिंदी समजायलाही फार अवघड जात होती. मुलांची एकदा समोर उभा असलेला व्यक्ती आपला भाऊ किंवा दीदी आहे. अशी समज झाली की ते मनमोकळेपणाने खेळात भाग घेतात. शाळेतील शिक्षकांसोबत संवाद साधल्यावर कळाले की येथील गरीबी यांच्या मागे राहण्याचे मुख्य कारण आहे.

या पाच दिवसांत आम्ही व शाळांमध्ये हा उपक्रम घेतला. तिथल्य विद्यार्थ्यांमध्ये खूप गुणवत्ता आहे. परंतु पाठबळ मिळत नसल्यामुळे ते मुख्य प्रवाहापासून मागे राहतात. तेथील मुलांनी आम्हा सर्वांना खूप प्रेम दिले. दररोज संध्याकाळी गावामध्ये फिरायला घेऊन जाणे, स्थानिकांच्या घरी घेऊन जाणे यासाठी मुले आम्ही तयार होण्याआधीच हजर रहायची. पाच दिवस कसे संपले आम्हाला कळाले सुद्धा नाही. तेथून निघताना आम्हाला पाच दिवस खाण्याची कसलीच कमी न पडू देणाऱ्या रेखा मंडल या तर अक्षरशः रडल्या त्यामुळे काहितरी प्राप्त केल्याचा आनंद व त्यांना सोडून जाण्याचे दुःख याचा अनुभव आला.

गुराबन्दा येथून निघून आम्ही टाटानगर मधील सीड्सच्या अध्यक्ष शुभ्रा मॅडम यांच्या सोबत आम्हाला आलेले अनुभव. तेथे आवश्यक असलेल्या सुधारणा, मुलांसोबतचे किस्से, आम्ही भेट दिलेल्या स्त्री-सशक्तीकरण उपक्रमाचे अनुभव यावर चर्चा केली. त्यांनी आम्हाला पुढील वाटचालीस दिलेल्या शुभेच्छानंतर आम्ही सरतेशेवटी या उपक्रमाचा व त्या सर्वांचा निरोप घेतला.

झारखंडला भेट देऊन लगेच परत जायचं. हे काही आम्हाला पटत नव्हतं. त्यामुळे पुढे दोन दिवस थांबून आम्ही सर्वांनी बिहारमधील गौतम बुद्धाचे ज्ञानप्राप्ती झालेले बोधगया पाहिले. त्याचबरोबर राजगीर, डुंगेश्वरी गुफा. या गौतम बुद्धाच्या आयुष्याशी निगडित असलेले ठिकाणे पाहिली. नालंदा विश्व-विद्यालयाचे अवशेष पाहून भारतीय संस्कृती व ज्ञानाच्या श्रेष्ठत्वाची कल्पना मनात अधिकच खोलवर रुजली. त्यानंतर पाटणा येथून पुण्यासाठी परतीच्या वाटेला लागल्यावर मनामध्ये एक आत्मविश्वासाची जाणीव, समाजासाठी काहीतरी करण्याची इच्छा, आलेल्या अनुभवामुळे वाढलेली विचारशक्ती यांचा लेखाजोखा चालू होता. २६ नोव्हेंबरला आम्ही पुण्यात उतरल्यावर हा प्रवास संपला नसून आता सुरु झालाय व पुढे आयुष्यभर याच प्रवासात जायचंय याची खात्री झाली.

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## जोखीम

(गिरीप्रेमी सिद्धार्थचा थरारक अनुभव)

Siddarth Jadhav, S.Y.B.A.



नमस्कार! मी सिद्धार्थ जाधव : एग गिरीप्रेमी GGIM अर्थातच Giripremi Institute of Mountaineering यामध्ये २०१७ पासून कार्यरत आहे. Giripremi it is one of the Pioneer Mountaineering Clubs in India गिरीप्रेमी या संस्थेचे उमेश ऑरिंगनायझर झिरपे सर यांच्याकडून गिर्यारोहण या विषयाबद्दल नेहमीच अतुलनीय माहिती मिळाली व मिळत आहे. मी GGIM मध्ये लहान मुलांना प्रशिक्षण देण्याचे काम करत आहे. 'Related to Rock Climbing' गिरीप्रेमी या संस्थेने जगातील सर्वात उंच उंच पर्वतांवर गिर्यारोहण करण्याच्या मोहीमा पूर्ण केल्या आहेत. त्यामध्ये साधारणतः ME-Everest (8848m), Mt Lhotse (88516m), Mt. Makalu (8481m), Mt Chooyu (8201 m), Mt. Dhaulagiri (8167m), Mt. Makalu (8481m), Mt. Cho Oyu (8201 m), Mt. Dhaulagiri (8167 m), Mt. Manaslu (8156m) ही नावे घेता येतील.

गिरीप्रेमी या संस्थेत काम करत असताना एक सर्वात मोठा अनुभव आला. १० जानेवारी २०२० या तारखेला, Basic Rock Climbing हा कोर्स असल्याकारणाने त्या तयारीसाठी मी सिंगडावर गेलो होतो. सिंगडावर गिरीप्रेमी या संस्थेचे साहित्य ठेवण्यासाठी किंवा त्या ठिकाणी उपक्रम घेण्यासाठी एक खोली वापरली जाते. तथील साहित्याची तपासणी करत असताना मला एक फोन आला. कामाच्या आवाक्यात मी फोनकडे दुर्लक्ष करत होतो. पण फोन ऑफिस मधून आला आहे हे लक्षात येताच मी तो फोन उचलला. गिरीप्रेमी संस्थेतील सदस्य दिनेश खोतकर यांनी मला फोनवर अशी

माहिती दिली की गडावरून कोणीतरी खाली पडलेल आहे. जर तुम्ही तेथे असाल तर त्या व्यक्तीची मदत करा.

नागपूर येथील रहिवासी व सध्या पुण्यात टेक महिंद्रा कंपनीत नोकरी करत असलेला २८ वर्षीय प्रविण ठाकरे हा ९ जानेवारी २०२० रोजी सायंकाळी ७ च्या सुमारास मावळत्या सुर्याचा फोटो काढताना कड्यावरून खाली पडला. योगायोगाने ती खाली पडल्यानंतर एका झाडाच्या जवळ अडकून बसला होता. खाली पडल्यावर त्याने त्याच्या मित्रांशी संपर्क साधला. त्याचे मित्र सकाळी गडावर आले. तिथुन नंतर ही माहिती GGIM ला समजली व GGIM च्या कार्यालयामधून

गडावरील जेवढ्या जास्त लोकांना संपर्क साधता येईल. याचा प्रयत्न त्यांनी केला. ठाकरे २००-२५० फूट दरीत कोसळला होता. किल्यावरील राजाराम महाराजांच्या समाधीच्या मागे एमटीडीसी जवळील कड्यावरून तो खाली कोसळला. संपूर्ण मात्र तो जखमी व बेशुद्ध अवस्थेत दरीतच पडून होता.

मला कार्यालया मधून जेव्हा सांगण्यात आले की Equipment घेऊन जाव त्या व्यक्तीस वाचव. तेव्हा २ मिनीट काही सुचल नाही; डोळ्यांसमोर अंधार झाला. कारण कोणालातरी वाचवण्याची पहिलीच वेळ होती. आणि तेवढ्या कठीण ठिकाणावरून व्यक्तीला बाहेर काढणे आव्हानास्पद होते. घाई-गडबड किती करावी; किती करू नये काहीच माहित नव्हतं. जास्त घाई करून चालणार नव्हते. तसेच जास्त वेळ घालवून देखील चालणार नव्हता. पहिल्यांदा स्वतःचे रक्षण करणेदेखील जास्त महत्त्वाच होत. कारण वरिष्ठांकडून आत्तापर्यंत जे शिकत आलो. त्यानुसार एक चूक सुद्धा धोकादायक ठरू शकते. Equipment Bag मध्ये भरली. त्यामध्ये Ropes, helmet, harness, firstaid box इ. साहित्य घेतले. बाकीची Equipment शोधण्यात वेळ न घालवता त्या ठिकाणी पोहचलो. त्या ठिकाणी भरपूर गर्दी मधील एखादा व्यक्ती जमा झाली होती. आधी त्यांना बाजूला केल. कारण गर्दीमधील एखादा व्यक्ती खाली पडण्याची शक्यता नाकारता येत नव्हती. मी खाली जाण्यासाठी जागा शोधू

लागलो. तेथे पूर्ण उतार होतो व खाली खोल दरी होती. उतरण्यापूर्वी पूर्ण पाय थरथर कापत होते. जो व्यक्ती खाली पडला होता तो संपूर्ण जखमी अवस्थेमध्ये होता. त्याला तेथून वाचवणे अत्यंत गरजेचे होते. जोखीम हातात घेतली आहे तर ती पूर्ण करण माझ आद्य कर्तव्य होत. आतूल मूरमुरे हा माझा साहाय्यक व गिरीप्रेमी संस्थेतील सदस्य त्या ठिकाणी आला. त्याला पाहिल्यावर थोडा धीर आला व जखमी व्यक्तीला वाचवण्याचे बळ आले. जर एखादी अनुभवी वरिष्ठ व्यक्ती सोबत असेल तर त्या प्रसंगाला मी धीराने सामोरे जाऊ शकतो. हा आत्मविश्वास वाढला. नंतर थोडासा शांत झालो कारण गडबडीत गोष्टी चुकू शकतात. दोघांच्याही सामंज्यस्याने त्या व्यक्तीला वाचवण्यासाठी जी पाऊले उचलता येतील ती उचलत होतो. आतूल दादा दोन गावकऱ्यांना घेऊन कड्याच्या बाजूने पाऊल वाट काढत काढत खाली उतरला व मी संपूर्ण सेटप लावला. सगळ्या गोष्टी घेतल्या का ते बघितले व कड्यावरून Rapper down करत अर्थातच Ropes च्या साहाय्याने खाली उतरलो. ४ ते ५ मिनिटांमध्ये मी २५० फूट खाली उतरलो होतो. उतरल्यावर आधी स्वतःची काळजी घेतली. कारण तेथून खाली खोल दरी होती. पाय घसरून दरीत कोसळण्याची शक्यता जास्त होती. जखमी व्यक्तीला स्ट्रेचरवर झोपवून गावकऱ्यांच्या सल्ल्यानुसार पाऊल वाटेने वर आणण्याचा प्रयत्न केला. जेणे करून आम्ही लवकरात लवकर गडावर पोहचू. वरती येताना अर्धा-एक तास लागला. त्या व्यक्तीला घेऊन गडावर उभ्या दिशेने चढणे जोखमीचे होते. सकाळी सुमारे १० वाजता त्या व्यक्तीला गडावर आणण्यात आले. गडावर आल्यानंतर पिंपरीचे एक डॉक्टर तिथे उपस्थित होते. त्यांनी त्या व्यक्तीला पाहण्याची इच्छा व्यक्त केली. त्यांची पूर्वखात्री किंवा चौकशी करून नंतर त्या व्यक्तीला पाहून दिले. त्यांनी प्रथमोपचार केला. वर आल्यानंतर मला ऑफिस मधून एक फोन आला होत की, तुम्ही त्या व्यक्तीला घेऊन पार्किंगमध्ये जावा; तेथे अॅम्ब्यूलन्स पोहचलेली आहे. तो प्रसंग नमूद करू इच्छितो. मी ज्या संस्थेसोबत काम करत आहे. त्या संस्थेने लवकरात लवकर सेवा उपलब्ध करून दिली. त्या व्यक्तीचा जीव वाचवण्यासाठी अथक प्रयत्न केले. त्यांच्याबद्दल खूप आदर वाढला. अभिमान वाढला व एका योग्य वाटेवर चालत आहे. याची जाणीव व मनात घर करून गेली.

त्यानंतर त्या व्यक्तीला व्यवस्थित हॉस्पिटलमध्ये पोहचवण्यात आले. कार्यालया मध्ये उमेश झिरपे सरांना फोन करून सर्व माहिती कळवली. त्यानंतर त्या व्यक्तीला पोहचवून माघारी आल्यानंतर एक प्रकर्षाने गोष्ट जाणवली ती म्हणजे ज्या जागेवरून तो माणूस खाली पडला होता. तेथे परत ४-५ जण येऊन फोटो काढत होते. कुठेतरी

हे चुकीच वाटल कारण उदाहरणसमोर असूनदेखील माणसाच्या मानसिकतेमध्ये बदल होत नाही. कुठेतरी ही मानवी प्रवृत्ती बदलण्याची गरज वाटते. सर्वात शेवटी एक गोष्ट नमूद करतो; माझा पहिला अनुभव होता. त्या व्यक्तीला वाचवताना मला थांबवणारा कोणीही नव्हता. जोखीम पूर्ण करायची ही एकच गोष्ट मनात होती. वरिष्ठांची शिकवण सोबत होती आणि फक्त ह्याचमुळे मी त्या व्यक्तीला सुखरूप काढण्यात यशस्वी झालो.

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## काश भगवान...

प्रसाद पोवार, T.Y.B.A

सृष्टी की सुंदरता बढाने के लिए,  
हर रास्ता भगवान ने अपनाया,  
धरती पर एक खूबसूरत चीज बनाई थी भगवान ने,  
क्यों उसी चीज ने सब बेराख बना दिया।

नई नई चीजों से वो अपना पेट भरता गया,  
धरती की सिकुडती पुकार को उसने,  
अनदेखा ही कर दिया।

इक इन्सान बनाया था भगवान ने  
साथ में बुद्धीमान भी बना दिया।  
उस बुद्धी के उपयोग से वह,  
अपना स्वार्थ पूरा करता गया।

तोफे डागता गया, पेड काटता रहा  
अमीरों की इमारतें बनाता गया,  
गरिबों की जान लेता गया।

पछतावा होता होगा भगवान को  
क्यों बनाया था मने उसे,  
लगा था, सृष्टीको सुंदर बनायेगा ये,  
इसने तो आते ही सबकुछ तबाह कर डाला।

इन्सान से अच्छे तो वह जानवर है  
कम से कम झुंड में तो रहते हैं अपने।  
यहाँ तो अपने ही अपनों के जान के दुश्मन हैं।

काश भगवान, तू भी इसे बदल पाता,  
बिना विचारों का इन्सान ही बनाया होता।

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“स्वच्छ भारत बना समृद्ध भारत” यह बहुत महत्वपूर्ण बाब हमारे देश में रहनेवाले हर व्यक्ती के लिए है। स्वच्छता का महत्त्व तभीसे है जब पृथ्वी की निर्मिती हुई थी। हमारे देश में अनेक महान राजा हो गये हैं। उन्होंने अपने राज्य में स्वच्छता का महत्त्व जगाया और अपने राज्य का महत्त्व बढ़ाया था तभी से आजतक स्वच्छता का महत्त्व कम नहीं हुआ है। हमारा देश ऋषी-मुनीयों का देश है। यहाँ उस काल में भी और इस काल में भी स्वच्छता एक मिसाइल बना हुआ है। अपने राष्ट्रसे हमे गर्व होता है; परंतु स्वच्छता की बात होती है तो वह बहुत कम है।

इस पृथ्वीपर बहुत सारे देश है। वह अपनी अपनी स्वच्छता के खातीर भारत से अच्छे नजर आ रहे है। हमें हमारी पहली कक्षासे ही सिखाया जाता है की अपना हर सामान, घर, स्कुल, स्वच्छ बनाए रखना क्योंकी जब किसी भी काम में स्वच्छता होती है। वह काम अच्छा होता है। स्वच्छता का महत्त्व समझाने के लिए स्कुल में हमें पाठ पढ़ाते है। इतना स्वच्छता का महत्त्व है। जो हमें सिखाते हैं उनको भी वह याद रखना चाहिए। जब घरघर स्वच्छता का नारा गूँजा पायेगा तब ही अपने देश का विकास हो पायेगा। देश का हर व्यक्ती सबसे पहले एक जिम्मेदारी होती है। वह स्वच्छता है। हम मंदिर में जाने के बाद वह पहीले स्नान करके जाते है। क्यों? क्योंकी भगवान को स्वच्छता पसंद है। इसिलिए स्वच्छता का महत्त्व हमारे जीवन में बहुत महत्त्वपूर्ण है।

“मैं गन्दगी को दूर करके भारत माता की सेवा करूँगा। मैं शपथ लेता हूँ की मैं स्वयं स्वच्छता के प्रति सजग रहूँगा और उसके लिए समय दूँगा। हर वर्ष सौ घंटे यानी हर सप्ताह दो घंटे श्रमदान करके स्वच्छता के इस संकल्प को चरीतार्थ करूँगा। मैं न गन्दगी करूँगा, न किसी और को करने दूँगा। सबसे पहले मैं स्वयं से, मेरे परिवार से, मेरे मोहल्ले से, मेरे गाँव मे और मेरे कार्यस्थल से सुरुवात

करूँगा। मैं यह मानता हूँ की दुनिया के जो भी देश स्वच्छ दिखते है उसका कारण यह है की वहाँ के नागरिक गन्दगी नहीं करते और न ही होने देते हैं। इस विचार के साथ मैं गाँव-गाँव और गली-गली स्वच्छ भारत मिशन का प्रचार करूँगा। मैं आज जो शपथ ले रहा हूँ वहाँ अन्य सौ व्यक्तियों से भी करवाऊँगा, ताकी वे भी मेरी तरह सफाई के लिये सौ घंटे प्रयास करें। मुझे मालुम है की सफाई की तरफ बढ़ाया गया एक कदम पुरे भारत को स्वच्छ बनाने में मदद करेगा।

यह शपथ डेढ साल पहले दो अक्टुबर को पुरे देश में सभी कार्यालयों स्कुलों, जलसों में गुँजी थी। उस समय लगा था की आनेवाले एक साल में देश इतना स्वच्छ होगा की हमारे स्वास्थ्य जैसे बजट का इस्तेमाल अन्य महत्त्वपूर्ण समस्याओं के निदान पर होगा। लेकिन अब साफ दिख रहा है की हम भारतीय केवल उत्साह, और अतिरेक पर नारे तो लगाते है लेकिन जब व्यावहारीकता की बात आती है तो हमारे सामने दिल्ली के कुड़े के ढेर जैसे हालात होते हैं गन्दगी से ज्यादा सियासत प्रबल होती हैं।

आखिर हमे कूडा किस तरह से निजी तौर पर नुकसान पहुँचा रहा है और गन्दगी के निवारण से हम है, इन्ही विकल्पों पर विमर्श करती है, पंकज कुमार सिंह की पुस्तक “स्वच्छ भारत, समृद्ध भारत”। लेखक ने उस पुस्तक में बहुत अच्छा पर्यावरण का वर्णन किया है। अधिकांश देशों में बच्चे को छोटी उम्र से ही इस नागरीक बोध का पाठ पढ़ाया जाता है, जबकी हमारे देश में हम सफाई को एक सरकारी मुद्दा मानकर खुद ही गन्दगी फैलाते है। इसिलिए ‘स्वच्छ भारत की तैयारी, जन-जन की भागीदारी’ का नारा बुलन्द करना जरूरी है।

भारत में स्वच्छता का नारा काफी पुराना है। सन १९९९ में भी सम्पूर्ण स्वच्छता अभियान चलाया गया था। लेकिन अभी भी देश की एक बडी आबादी का जीवन गन्दगी के बीच ही गुजर रहा है। २०११ की जनगणना के अनुसार राष्ट्रीय स्वच्छता कवरेज ४६.९ प्रतिशत है जबकी ग्रामीण क्षेत्रों में यह औसत केवल ३.७ प्रतिशत है। अभी भी देश की ६२ करोड २० लाख की आबादी (राष्ट्रीय औसत ५३.१ प्रतिशत) खुले में शौच करने को मजबूर है। राज्यों की बात करते मध्यप्रदेश के ग्रामीण क्षेत्रों में शौचालय के उपयोग की दर १३.६ प्रतिशत, राजस्थान में २० प्रतिशत, बिहार में १८.६ प्रतिशत और उत्तर प्रदेश २२ प्रतिशत है।

भारत के केवल ग्रामीण ही नहीं बल्कि शहरी क्षेत्र में शौचालयों का

अभाव हैं। यहाँ सार्वजनिक शौचालय भी पर्याप्त संख्या में नहीं हैं जिसकी वजह से हमारे शहरों में भी एक बड़ी आबादी खुले में शौच करने को मजबूर है। इसी तरह से देश में करीब ४० प्रतिशत लोगों को स्वच्छ पीने योग्य पानी उपलब्ध नहीं है। यही नहीं दिल्ली सहीत लगभग सभी नगरों से साल-दर-साल कुड़े का ढेर बढ़ता जा रहा है जबकी उसके निस्पादन के प्रयास बेहद कम हैं। हर नगर कुड़े के ढलाव से फट रहा है और उससे बदबु, भूजल प्रदूषण, जमीन का नुकसान जैसे; कभी ठीक ना होनेवाले विकार भी उत्पन्न हो रहे हैं।

यह पुस्तक कुल १२ अध्यायों में है और प्रत्येक अध्याय में तथ्य व आँकड़ों के साथ समस्या के निदान के बेहद सहज तरीके सुझाए गए हैं। पहला अध्याय "स्वच्छ भारत : समृद्ध भारत" में महर्षि पतंजली की उस उक्ति को रेखांकीत किया गया है जिसमें कहा गया है- "शौचात् स्वांग जुगुप्सा परैः असंसर्गः।" बताया गया है की किस तरह भारत के पर्व-त्योहर, लोक रंग, सामाजिक जीवन समाज व निजी स्वच्छता के चारो ओर घुमता है और हमने आधुनिकता के नाम पर अध्याय में केवल एक घंटे प्रतिदिन काम करने में कैसे देश दुनिया के सामने मिसाल बन सकता है, इसका गणित बताते हुए लेखक ने कहा है की बन्दा करो बहाना, कुछ करके दिखाना। तीसरे अध्याय में केवल एक घंटे प्रतिदिन काम करने से कैसे देश दुनिया के सामने मिसाल बन सकता है, इसका गणित बताते हुए लेखक ने कहा है की, स्वच्छता ही अच्छी सेवा है। तीसरे अध्याय में कुड़ा निस्ताबत के विकल्पों और हम निजी तौर पर कुड़ा पर कैसे काम करें, इसपर सुझाव है।

"भारत में स्वच्छता कार्यक्रम" नामक अध्याय में देश में अभी तक चल सफाई अभियानों व उनके आशिक सफल रहने के कारकों पर विमर्श करते हुए लेखक ने बताया है की पानी की लगातार होती कमी इस दिशा में सबसे बड़ा अड़ंगा है। अगले अध्याय में लेखक बढ़ते प्रदूषण पर चिन्ता जताते हुए कूड़े व गन्दगी को इसका मूल कारण निरूपित है। इससे आगे प्लास्टिक व इलेक्ट्रॉनिक कचरे, जैवविधता पर खतरे, शहरीकरण का संकट, जहरीली होती समस्या पर विमर्श है।

अध्याय नौ में पर्यावरण सम्बन्धित कानूनी प्रावधानों और इसके प्रति आम लोगों में जागरूकता के अभाव की चर्चा करते हुए चेतावनी दी गई है की प्रकृती पूज्य है व इसके प्रति, अनदेखी खतरनाक है। एक अध्याय गंगा की साफ-सफाई पर है व इस कार्य में आ रही चुनौतियों पर विस्तार से प्रकाश डाला गया है।

कुल मिलाकर यह पुस्तक स्वच्छता का युवा वर्ग को अपने पर्यावरण के प्रति जागरूकता के साथ-साथ स्वच्छता कार्य में स्वयं लग जाने के लिए प्रेरित करती है। भाषा बेहद सहज होती है स्वच्छता की बस

उसे समझने और उसपर काम करने की जरूरत होती है। स्वच्छता एक ऐसी, बाब है जो अपने जीवन में वो खुषी दे सकती है जिसने कभी सोच्या हीं नहीं होगा। हम इस देश के जागरूक नागरीक होने की खातीर हमे अपने कर्तव्य करने के खातीर हमें अपना घर, समाज, स्कुल, जो जो हमारे नजर में है वह सब हमे स्वच्छ बनाये रखना है। स्वच्छता जब किसी काम से होती है तो वह काम अच्छा और सफलता पूरक होता है।

हम हर दिन अपने ही घरका कचरा रोडपर डाल देते हैं। हमें तो उसका भी एतराज नहीं होता परंतु उसके बाद जो होनेवाली बीमारीयाँ हैं वह बहुत घातक हो सकती है। अपने परिवार, समाज और देश के लिये। हम अपनाही विचार करते हैं। तो आनेवाली पीढी को क्या शिक्षा देंगे। हमें अपना परीवार, अपना परीसर और अपना घर स्वच्छ रखना चाहिए। जब हम एक स्वच्छ मनसे काम करेंगे तो हमारा जो करनेवाला या होनेवाला काम अच्छा होता है। स्वच्छता होनेसे जीवन में शांती आती है। स्वच्छता एक ऐसी महत्त्वपूर्ण बाब है जिसके कारण हम अपने शरीर को अच्छा कर सके।

स्वच्छता एक ऐसी बाब है जिसमे हमारा जीवन का दर्जा बढ़ता है और हम अपने, आप को एक सुंदर जीवन की आशा जिवीत होती है। हमें अपने देश का और अपने परिवार का स्वच्छताके बारेमें जागरूकता दिखानी होंगी। सब तो बोलते हैं 'स्वच्छ भारत समृद्ध भारत' परंतु यह बोलने के लिए नहीं है। इसमें अपने आपको स्वच्छता के प्रति प्रेम करो, और हर काम में स्वच्छता रखो। स्वच्छतासे अपने होनेवाली पीढी अच्छी होती है और हमारी जीवन में आनेवाले जो रोग हैं वह दूर हो जाते हैं। जिसके कारण हमारा देश एक स्वच्छता का प्रतीक बनेगा और सब लोग स्वच्छता को अपना बनाएँगे। स्वच्छता रहेगी तो हमारा काम स्वच्छ रहेगा और हमारी देश की तरकी होंगी, हमारा देश समृद्ध होगा।

हमारे देश में एक महान संत हो गये। उनका नाम संत गाडगेबाबा था वह गाव गाव स्वच्छता का महत्त्व बताते थे, ऐसीही सब लोगों में स्वच्छता का महत्त्व होने लगा और एक दीन स्वच्छता ही अपनी पहचान बनेगी। इसलिए चलो हम हमारा भारत स्वच्छ भारत समृद्ध भारत बनाए।

स्वच्छता का महत्त्व हमारे जिंदगी में इतना महत्त्वपूर्ण कार्य करता है, और स्वच्छता, के कारण हमारे जीवन की हर कार्य की सफलता को एक उमीद चाहिए की जब तक स्वच्छता हमारे साथ है तब तक हम हमारा परिवार, हमारा देश समृद्ध बना सकते हैं।

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## पापा

दुनिया ने बेटी कहकर रुलाया  
पापा ने बीटा कहकर बढ़ाया  
उनके भी तो कुछ अरमान रहे होंगे  
बेटे की ख्वाइश उन्होंने भी तो की होगी  
पर उन्होंने सब कुछ भूलकर मुझे सीने से लगा लिया  
मुझे अपना बेटा कहकर मुस्कुरा दिया  
लोग कहते क्या करोगे बेटी है तुम्हारी  
वो कहते किस्मत वाला हूँ तभी तो जन्नत है मेरी  
दादी की फटकार को मुस्कराहट में बदल देते  
माँ की ना को वो हाँ में बदल देते  
आसमान को छूना सिखाया उन्होंने  
हिफाजत से खड़ा साये में अपने  
परिशानियों से लड़ते अकेले  
मुश्किलोंको हमसे दूर धकेले  
खुद जलते हैं आग में  
दिया बन मकान में रोशनी वो ले आते  
जरूरते हमारी हमेशा पूरी की  
अपने ख्वाइशोंको मारकर अपनी असमायेशें पूरी की  
उनके कुरबानियोंका तस्सदुर न कर पाएं  
बारिश में छाता बनकर आना  
धूप में छाँव बनकर आना  
मंजिल में रह बनकर आना  
मुश्किलों में लड़ना सीखना पापा  
मुक़मल होता है परिवार  
जब बुनियाद उसकी पापा से होती है  
कौन कहता है सिद्धत वाली मोहब्बत  
सिर्फ हमसफ़र से होती है  
हर बेटी के लिए पहली मोहब्बत  
उसके पापा से होती है

-सना शेख, S.Y.BSc

**DEPARTMENTAL ACTIVITIES**
**Educational Visit - Bhimtadi Jatra**

Bhimtadi Jatra is platform for various producers from different states to show case their products and skills. Hence it is an apt opportunity for the students to learn and understand more about our producers. About 52 students visited on Saturday, 21st December 2019.

**Financial Literacy**

One day Seminar was organized on Financial Literacy on Monday, 13th January 2020. Dr. Dhanjay Lokhande, Director and Head, Life Long Learning and Extension Department, Savitribai Phule Pune University, Pune, was the Chief Guest. First session on “Financial Literacy” was taken up by Dr. Arvind Shelar, Head, Department of Economics, Sidhhi Vinayak Women’s College, Karvenagar, Pune. Resource person for the second session was Prof. Gyaneshwar Phad, Head, Department of Economics, Yashwantrao Mohite College, Bharati Vidyapeeth, Erandwane, Pune. He spoke on “New Technology in Banking”. About 57 students participated in the seminar.

**STUDENTS’ ACHIEVEMENTS**
**Aishwarya Dudhale (TYBA)**

1. First Prize in 5Km Women’s Bavdhan Kothrud Marathon 2020 on 8th March 2020.
2. Eighth Rank in 5Km Krida Bharti Yuva Daud on 5th January 2020.
3. Third Prize at All India Essay Writing Event 2019 in Maharashtra State under Category II, Marathi Language.
4. Best Dance Performance award in Indian Red Cross State Level Camp in BJS College, Wagholi, Pune in December 2019.
5. Second Prize in Inter collegiate Obstacle Race
6. Participated in NCC Camp- Thal Sainik Camp
7. Won Third Prize in Poster competition orga-

nized by Central Library, Modern College of Arts, Science and Commerce, Ganeshkhind, Pune.

**Abhijit Sawant (TYBA)**

Participated in State Level Conference on “Union Budget”, on 22nd February 2020 organized by Pritam College, Bhosari.

**Rohit Laishram (SYBA)**

1. First Prize in Poster Competition organized by Department of Geography during Geo-Carnival.
2. First Prize in Poster Competition organized during Yuva Saptah 2019-20.
3. Second Place in Inter-class Volleyball Competition in Annual Sports Competition.
4. Third Prize in Poster Competition organized by Department of English in Quest 2019.

**Ruthika Sarvanan (SYBA)**

Received First Prize in Poster Competition organized by Department of English in Quest 2019.

- 5 Students participated in State Level Disaster Management, First Aid Training and Youth Leadership Development Camp at BJS College Wagholi, Pune from 26th to 30th December 2019:
- 3 Students participated in Two days’ National Seminar on “An Emerging Challenges and Opportunities in Indian Economy” at Dr. Babasaheb Ambedkar College, Aundh, Pune on 27th and 28th February 2020:
- 3 Students participated in one day University Level NET/SET Guidance Workshop at Prof. Ramkrishna More College, Akurdi, Pune on 29th February 2020:

**STAFF ACHIEVEMENTS**
**Prof. Pathan Dastagir Ramjan, HOD**

1. Attended “Mahabridge Webinar on mobile based smart E-content development for

online Teaching” conducted by Knowledge Bridge from 15th to 25th April 2020.

## Dr. Abaso Shinde

1. Indian Red Cross Camp Commandant at State Level Disaster Management, First Aid Training and Youth Leadership Development Camp at BJS College Wagholi, Pune from 26th to 30th December 2019.
2. Participated in State Level Conference on “Union Budget”, on 22nd February 2020 organized by Pritam College, Bhosari.
3. Participated in Two days’ National Seminar on “An Emerging Challenges and Opportunities in Indian Economy” at Dr. Babasaheb Ambedkar College, Aundh, Pune on 27th and 28th February 2020
4. Participated in one day University Level NET/SET Guidance Workshop at Prof. Ramkrishna More College, Akurdi, Pune on 29th February 2020.
5. Participated in three days’ Online National level lecture series “Let’s Grow with English”, from 15th to 17th May 2020.

## Prof. B. Sawai Shkhre

1. Attended the Moodle hands-on training of the college.

## Dr. Shilly John

1. Received Ph.D. degree for Thesis titled: “Use

of Credit Card and its Effect on Spending Behaviour of the Employees in Pune city”, submitted to Savitribai Phule Pune University, Pune under the guidance of Prof. Dr. Madhu M Satam, Head, P. G. Research Center for Economics, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5.

2. Research paper published, titled “Human Development and Economic Transformation in India”; in "Sameeksha: International Journal of Commerce, Economics and Management", a double blind peer reviewed Annual Journal of Indira College of Commerce and Science, Pune, Vol 1, (4), ISSN: 2394-2517, pp. 193-209.
3. Completed five days’ FDP on online teaching conducted by Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5 from 28th May 2020 to 3rd June 2020.
4. Developed e-content: Two YouTube videos on “Monopoly-<https://youtu.be/b3cZirAfy-c>” and “Monopolistic Competition-<https://www.youtube.com/watch?v=ndC0ELn07gk>” accepted and uploaded in Savitribai Phule Pune University, Pune d Space, the e-learning portal.

## Prof. Dastagir R. Pathan

Head, Department of Economics



Resource person for first session, Dr. Arvind Shelar, Head, Department of Economics, Sidhhi Vinayak Women's College, Karvenagar, Pune in One Day seminar on “Financial Literacy” being felicitated.



Educational Visit - Bhimtadi Jatra on Saturday, 21st December 2019.

**ACTIVITIES 2019-2020**

**THREE MONTH CERTIFICATE COURSE IN SPOKEN ENGLISH:** A Three Month Certificate Course in Spoken English was conducted by the Department of English. The course was conducted using a systematically designed syllabus that included exercises on Listening, Speaking, Reading and Writing.

**SPOKEN ENGLISH FOR EMPLOYABILITY:** The Department of English in collaboration with Times of India under Teach India Program conducted 2.5 months course on Spoken English for Employability for Final Year students. This year 8 students from Commerce Faculty completed the course successfully.

**QUEST: A CURIOSITY AND CREATIVITY FORUM:** English Department launched a curiosity and creativity forum for students on 28th August 2019. This platform was inaugurated by Dr. Maya Dodd, Associate Professor, Department of Humanities, Flame University. 141 students were present on this occasion.

**LITCARNATION: A LITERARY CARNIVAL:** The Department of English organized a Literary Carnival on 18th December 2019 in the Audio Visual Hall of the College. A host of games, quizzes and activities based on Language, Literature, Cinema and Media was conducted in the day long festival. COSPLAY was the most talked about event of this carnival. Students dressed and acted as the popular characters from the world of literature and cinema. More than 500 students participated and attended the festival. Besides that students and teachers from 12 different colleges of Pune city also visited this festival.

**EXTRAVAGANZZA:** On the occasion of Annual Prize Distribution Ceremony on 18th January 2020, the Department of English organized Extravaganzza – a musical and literary

performance of students where they dressed up as famous characters from fantasy, films, fiction, drama and dance. This musical show was conducted to develop many life skills along with deeper understanding of literature and performing arts.

**ODYSSEY:** The fourth volume of the In-house journal of the English Department, ODYSSEY was released on 24th February 2020 by Film Maker, Author, Director and Founder of Pune International Literary Festival, Dr Manjiri Prabhu. The theme of this year's ODYSSEY was CHERISHING YOUTH. Students wrote articles, poems and shared their growing up experiences through this wonderful medium.

**CAPTION CONTEST:** On the occasion of Youth Festival the Department of English organized Caption Contest on 16th January 2020 in order to enhance imaginative and analytical skills. 17 students from all the streams participated in this contest.

**SPELLATHON: A Spelling Competition**  
**SPELLATHON** was organized by English Department on the occasion of Youth Festival on 16th January 2020. This competition had an interesting segments of fun filled quizzes based on spelling and pronunciation. More than thirty students from all faculties enthusiastically participated in this Competition

**STATE LEVEL ESSAY WRITING COMPETITION:** The Department of English along with Hindi and Marathi departments organized the competition in January 2020. Entries were invited from colleges all over the state.

**FILM SHOWS:** The Department of English organized a film show to help the students understand the nuances of non-verbal communication.

**Staff Achievement**

- Successfully completed NPTEL Online Certification in “Better Spoken English”

conducted by IIT Madras in May 2019. Awarded a consolidated score of 85% and secured a position among the top 1%.

- Attended and compered the One-Day National Seminar on “Innovative and Best Practices in Higher Education” organized by NAAC-Bangalore, SP Pune University and co-organised with IQAC Cluster India and CEDA ON 26 July 2019 at PES Auditorium, Pune.
- Participated in a One-Day Workshop on “New Revised Syllabus of English: First Year UG & PG Courses organized by B.R Gholap College, Pune on 24 August 2019
- Invited as Chief Guest & Speaker for the Inauguration of the Literaray Association at MU College of Commerce, Pimpri, Pune on 30 August 2019.
- Invited as ‘External Reviewer’ –Paper-setting for FYBCOM autonomous course at Modern College, Pune-5 on 20 September, 2020.
- Attended and participated in a Webinar on “Fundamentals of Outcomes-based Education” conducted by Ajay Bhagwat, Director, Inpods India on 4th April, 2020.
- Attended two sessions of Webinar lecture-series by Prof. Raj Rao on Queer Theory and Literary Studies, organized by Dept. of English, University of Mumbai (10th & 13th April, 2020)
- Panelist and participant at Langlit’s International Lecture Series organized by Langlit’s Educators from 20 April to 14 May, 2020

### **Prof. Sandeep Sanap**

- Participated in a State Level Seminar on Indian Constitution – Article 370, 35 (A) and Kashmir organised by M. S. Kakade College, Someshwar nagar, Dist. Pune
- Attended two sessions of Webinar lecture-series by Prof. Raj Rao on Queer Theory and Literary Studies, organized by Dept. of English, University of Mumbai (10th& 13th April, 2020)

### **Dr. Deepanita Bhanja**

- Attended the One-Day National Seminar on “Innovative and Best Practices in Higher Education” organized by NAAC-Bangalore, SP Pune University and co-organised with IQAC Cluster India and CEDA ON 26 July 2019 at PES Auditorium, Pune.
- Participated in a One-Day Workshop on “New Revised Syllabus of English: First Year UG & PG Courses organized by B.R Gholap College, Pune on 24 August 2019
- Attended and participated in a Webinar on “Fundamentals of Outcomes-based Education” conducted by Ajay Bhagwat, Director, Inpods India on 4th April, 2020
- Attended Langlit’s International Lecture Series organized by Langlit’s Educators from 20 April to 7th May, 2020
- Attended an International Webinar on Future of Professional Development, organized by Vellore Institute of Technology, Chennai on 14th May 2020.

### **Jitender Kumar**

- Attended a One Day National Seminar on ‘Innovative and Best Practices’ organized by Modern College Ganeshkhind in collaboration with CEDA, Pune on 26/07/2019. Also a member of the organizing committee to prepare a detailed report the entire event.
- Attended a Two Day International Seminar on ‘Intellectual Property Rights and Research Ethics’ organized by Modern College Ganeshkhind, Pune on 27/02/2020-28/02/2020. Also a member of the organizing committee to prepare a detailed report the entire event.
- Visiting faculty for FY B Com Compulsory English and Additional English) under Distance Learning Scheme of Savitribai Phule Pune University’s School of Open Learning.
- Completed a Twelve Week SWAYAM NPTEL Certificate cum FDP course and secured Elite

Gold Rank with 88% (July – October 2019).

- Completed an Eight Week Completed a 12 week SWAYAM NPTEL Certificate cum FDP course ( Examination delayed due to COVID-19 pandemic) (January-April 2020)
- Committee member in organizing a Three Day Induction Program for FYBA students from 09/07/2019-11/07/2019 at Modern College Ganesh khind, Pune.
- Joined an Educational Visit to D.G. College of Commerce, Satara to understand its functioning and also to learn various aspects of good teaching-learning outcome.
- Invited as an Interviewer for a Mock Inter-view Competition by Computer Science Department of Modern College Ganeshkhind during its annual Intercollegiate event.

## INTERACTION

- Appointed as Question Paper Setter for University Examination of FYBCA(Science) for the Courses Communication Skills (104 CS) and Business Communication (114 BC) respectively
- Attending various webinars and Online lectures to enhance domain skill as well as technical skills
- Participated in various online quizzes regarding COVID-19 Awareness as well as Sports and General Awareness.

**Dr. Shampa Chakravarthy**  
Head, Department of English



Release of ODYSSEY - In house journal of English department



Team Extravaganza - English Department

## DEPARTMENTAL REPORT 2019-20

## GEOGRAPHY

### A) DEPARTMENTAL ACTIVITIES:

- **Pandharpur Wari:** Department of Geography has commenced its activities by taking part in Pandharpur Wari Procession where pilgrimages take palakhi (Palanken) carrying footprints (Paduka) of Deity on 28/06/2019.
- **Movie Club Activity:** The department has shown various documentaries and movies

covering on historical, political, social, environmental aspects in English, Marathi and Hindi languages. The documentaries were followed by discussion and queries asked by students.

### • Guest Lecture:

1. On the topic “Recent Trends in Sustainable Agriculture” speaker Dr. Kondiram Dhumal

Retd Professor from Department of Botany, Savitribai Phule Pune University was invited on 31st August 2019 at 10 am in AV Hall. Around 112 students witnessed an interactive session.

2. Keeping in mind use of technology in day today's life, a guest lecture was arranged on the topic "Careers in GIS" and invited speaker was Mr. PawanMuddu who shared his experience about this field. This lecture was arranged on 2nd December 2019. 54 students have attended this lecture.
3. Antarctica is creating curiosity in everyone's mind and it is always excited to know more about this inhuman continent. Mr. Suhas Kane (Scientist at DRDO) one of the participants of Antarctica Expedition was a guest lecturer invited to interact with our college students, it was organised on 20th December 2019 -113 students were present.

#### 4. Eco-rangers and Ramnadi Restoration Mission

##### • Eco-ranges and Workshop:

a) Department of Geography and Botany have together initiated Eco rangers activity in our college and participated in Kirloskar Vasundhara Film Festival. Kirloskar Vasundhara has initiated Ramnadi Restoration Mission (RRM) in Pune city and our college has joined in this initiative on 11th September 2019. The Inauguration function was followed by three guest lectures, viz., Virendra Chitrav (Director Kirloskar Vasundhara), Dr. Sachin Punekar (Botanist and Director of Bios-pHERE), Dr. Sanjeev Nalavade (Environmental, FC)

b) **Ramnadi Parikrama on Bike:** To create awareness about river pollution and individual contribution to reduce river pollution among young citizens, a Parikrama was held along river Ramnadi. Ramnadi river course from its origin at Khatpewadi till confluence with River Mutha, at Baner, Bike Parikrama was taken place on 15th September 2019. 40 students have participated in this Parikrama.

c) **Poster Presentation Competition:** Poster presentation was also held in this connection on 20th September 2019. The topic for poster presentation was "Present scenario of Indian Rivers". FYBA students participated in this event.

• **Astro-Physics Lecture:** Department of Geography in association with Department of Physics have jointly arranged a Guest Lecture on 17th December 2019 by Mayuresh Prabhune Alumnus and Science Correspondent at Maharashtra Times (India) to speak on Upcoming Solar Eclipse (26 December 2019) and Career Opportunities in Amateur Astronomy.

##### • Modern Trekking Club:

1. **Rohida Trek (one day) :** Considering the importance of trek in everyone's life and students in particular, a day trek was organized at Rohida fort on 10th September 2019 and total 45 students.

2. **Rajmachi Trek (two days):** The second trek was planned from Lonavala to Rajmachi fort to Kondhane. Modern Trekking Club of our college along with Board of Student's Development (BSD) of Savitribai Phule Pune University jointly had organised Two Days Intercollegiate Trekking at Rajmachi plateau during 20,21 January 2020 to conduct GPS Survey and EVS Study through trekking. Total 265 students with 14 staff were present in the trek along with 40 students from other colleges. Study of biodiversity of the trek region, GPS survey and cleanliness drive were the main activities conducted during the trek.

3. **Bhorgiri to Bhimashankar Trek:** Giripremi organizes various mountaineering trekking and rock-climbing expeditions. One of the expeditions was trek from Bhorgiri to Bhimashankar which was conducted on 8th of December 2019.

• **Modern Cycling Club:** Modern Cycling Club has planned of Cycling for short distance along with students on 1st September 2019. From

college campus to Chandani Chowk (to and fro) 20 km distance was travelled by 4 students.

- **Republic Day Programme:** Department of Geography has hosted Republic Day Programme in the college on 26th January 2020.

- **Geo Carnival**

Department of Geography in association with Board of Students' Development, Savitribai Phule Pune University had organized two days GEO CARNIVAL on 12,13 February 2020. During the Geo Carnival, 280 students participated in various competitions like Rangoli making, Poster Presentation, Models, Quiz, Photography, Elocution, Documentary competition. Around 70 students within city from other colleges and outside city were present. The first prize winners were Harshada Gund (Rangoli competition), Rohit Singh & Saurabh Mane from Modern College Ganeshkhind (Poster Presentation), Modern College, Shivajinagar (Model), Narayan Late Modern College Ganeshkhind (Quiz), Rahul Ambhore, Modern College Ganeshkhind (Photography), Chanchal Shelke (Elocution) and Shyam Shinde (Documentary). The winners were presented with memento and certificate. Judges from various colleges were invited to judge and assess these inter-collegiate activities.

- **STUDY TOUR**

Geography department has organized 3 days study tour at Kolhapur and Ratnagiri districts on 6, 7 & 8 March 2020.

- **FIELD VISITS:**

**1. Jivit Nadi:** Jivit Nadi (Living River Foundation) is a NGO working for polluted rivers of city Mula-Mutha. The aim of this group is to make pollution free rivers and they are trying to create awareness among people on individual & community level since last 4 years. Six members of Jivit Nadi Mrs. Uma Khare and Mrs. Manjusha Oak, Aditi Deodhar, Aarti Vaidya, Manjushri Parasnis and Mr. Manish Ghorpade guided 110 students of SYBA class. This visit was planned on

Saturday 21/12/2019 at Omkareshwar bridge on Mutha river.

- **2. MOUNTAINS CALLING:**

Pune based Jividha has organized exhibition named "Mountains Calling" 19 to 21 September 2019 at Yashwantrao Chavan Natya Mandir, Kothrud. Students from various schools have put forth their models of various mountains of India. Two staff members Dr. Sanjay Patil and Mrs. Jyoti Acharya along with 30 students of Geography have visited this exhibition.

- **3. NATURE TRAIL:**

Geography and Botany Department arranged a nature trail on 8th January 2020 at Vetal Tekdi, Pune. 110 students have participated in this nature trail. The trail was headed by Dr. Sachin Punekar, founder of Biosphere, Ushaprabha Page, founder President of Giripremi and her teammates. College staff members Dr. Sanjay Patil, Prof. Motilal More, Prof. Jyoti Acharya, Dr. Prachi Kshirsagar, Prof. Pratibha Rao were also present.

## **B) STUDENTS' ACHIEVEMENTS**

- **Cultural Connect:** Student volunteer's participation in festivals found their commitment towards society and help student volunteers develop their soft skills, expand their personal and professional contacts which directly enhance their employability. Considering this in mind, every year students from our college participate in Krishna Janmashthami Programme at ISKCON, Kondhwa to serve devotees by volunteering for 2 days. This year also 24-25 August 2019 total 28 students volunteered at ISKCON, Kondhawa, Pune.
- **Dnyansetu Project (Taganagar):** Gyan Setu is an ongoing program connecting people through knowledge exchange. It consists of short residential visits of volunteers to remote areas of developmentally challenged states of India to conduct science-based workshops for middle school students. Ten Students from our college namely Sumit Kale, Bhushali Musale,

Pratiksha Rajput, Aniket, Aditi, Siddhesh Neve, Shardul, Mahesh, Mayur, Nitin have joined GyanSetu and served at Tatanagar (Jharkhand) from 16th to 26 November 2019. Student volunteers taught at 9 schools of Buragandha tehsil of Tatanagar, which is Naxalite sensitive area and gifted these schools useful school accessories. Students also visited Bodhgaya, Nalanda, Rajgir and Patna during their journey.

- Assam students visit to Pune: A group of 30 from Assam students was on a visit to Pune during 1st to 3rd January 2020 as a part of joint initiative by Jnana Prabodhini, Pune. The objective of this tour to Pune was to expose the children of Assam and Maharashtra to each other's culture in order to broaden their horizon. The students of Assam were accompanied by Vaibhav Kadam (FYBA), Bhushali Musale, Pratiksha Rajput, Siddhant Jadhav, Siddhesh Neve, Akshata Dhavalikar, Sharad Bhusare (SYBA) for three days with cultural activities.

### • NCC TRAINING CAMP:

Gaurav Jagdale (SYBA) has attended "Combined Annual Training Camp (IGC/RDC selection) camp held at NCC Group, Pune from 14th October to 23rd October 2019 & from 4th November to 13th November 2019.

### • INDIA RIVER DAY:

Pune Municipal Corporation (PMC) in association with Dr. Salim Ali Bird Sanctuary, Yerawada and NGO named Sare Jaha Se Achcha have celebrated together India River Day on 23rd November 2019 and contributed to cleaning up of riverbank of Mula at Yerawada. Siddhant Nagmode, Vaibhav Kadam (FYBA), Nitin (SYBA) Ritesh Kapase, Shyam Shinde (TYBA) have participated in this drive on 24th November and 30th November 2019.

### • BIRD WALK:

Watching birds in nature around us is a great source of joy and teach valuable skills of patience and observation. Two students of Geography

department Mohit Ubhe and Aniket Dixit (SYBA) have attended bird walk conducted by Journey. This was held at Taljai hills of Pune on 1st December 2019.

### • KISAN EXHIBITION:

Kisan Fair is organized with an objective to create a single platform for the Indian Agri community. This year 12 students have worked as a participant held at Moshi during 11-15 December 2019.

### • GPS SURVEY AT NSS CAMP KHAMGAON:

Dr. Sanjay Patil along with 5 students namely Aishwarya Kulkarni, Vaibhav Kadam, Siddhant Nagmode (FYBA), Bhushali Musale, Siddharth Jadhav, Pratiksha Rajput, Kanchalon (SYBA) accompanied NSS Winter Camp at Khamgaon, Tal Velhe, and conducted GPS Survey on 19th December 2019.

### • TALERAN JUNGLE CAMP:

Tejparva Foundation, Junnar has organized two days Jungle Camp at Taleran, Junnar to make rural lifestyle familiar to the students from urban areas. During 25-26 December 2019, four students of our college namely Akshata Dhavalikar, Sonali Gaikwad, Bhushali Musale and Vaibhav Karale (SYBA) have attended Jungle camp. Participants were taught about Yoga, mountain climbing, trekking, sports events, cultural programs etc

### • INDIAN RED CROSS SOCIETY CAMP:

Trupti Kshirsagar (SYBA) has participated in the state level Indian Red Cross Society Camp held at Wagholi, Pune from 26th to 30th December 2019.

### • STATE LEVEL TREKKING CAMP AT KALSUBAI - RATANGAD FOREST:

Dr. D. Y. Patil College of Arts, Commerce and Science, Akurdi and BSD of SPPU had organized 4 days State Level Trekking Camp on 04-07 January, 2019. The participants were Shivani Chaudhary, Sharad Bhusare, Narayan Late (SYBA) and Rushikesh Khotre (FYBA).

• **YUVA DAUD:**

Pavankhind Yuva Daud conducted by Kridabharati at Savitribai Phule Pune University on 5th January 2020. Near about 110 students were participated in 5 km run. Bhushali Musale, Pratiksha Rajput, Siddharth Jadhav, Mohini, Roshni, Aman have etc completed Yuva Daud.

• **FIRST PRIZE IN DEBATE COMPETITION:**

Rishikesh Khotre and Prabhudh Gaikwad (FYBA) have participated in Vasundhara Fest organized by Dr. D Y Patil College, Pimpri and won First Prize in Debate competition on Environment vs Development. Rishikesh Khotre has also won consolation Prize in Elocution competition. He expressed his thoughts on “Today's Education System”.

- Trek at Kalsubai Peak: Malpani College, Sangamner has organized two days trekking at Kalsubai peak on 17-18 February 2020. Two students of FYBA class namely Rishikesh Khotre and Vaishnavi Phadtare have participated in this trek.
- 4th Pune SciFi Fest: The sci-fi fest was being jointly organised by Sanshodhan, a city-based group working for science popularization with National Film Archive of India (NFAI), Ashay Film club and Rawat's Nature Academy (RNA). The festival was held at National Film Archive of India (NFAI), Law college road, Pune during 21-23 February 2020. Total 20 students participated in this Fest. It was not just a film festival, but also scientists shared their thoughts.

**C) STAFF ACHIEVEMENTS**

**Dr. Sanjay Patil**

**1. Paper Presented at Seminar/ Workshop**

- Presented a paper on 'Article 370: Benefits and Detriments' at DSGI International Conference on Global Economy, Sustainable Tourism and Climate held at Geography Dept, Rajasthan University, Jaipur during 27-29 September.
- Presented a paper on “Analytical Study of Family Planning in India with Religious and

Cultural Perspectives” during International Conference held at Government College, Khandola, Goan 20-23 February 2020 and also co-chaired the session on 23 Feb.

**2. Workshop/Seminar/Conference Attended**

- Attended a workshop on 'Art of Thesis Writing' conducted by Rehoboth Academy, Bengaluru. 1st June 2019.
- One day National Seminar on Innovative and Best Practices in Higher Education collaboration with NAAC IQAC Cluster & CEDA at PES' Auditorium, Shivajinagar, Pune .
- Attended a workshop at Modern College Ganeshkhind on Professional ethics held at College Library on 13th September.

**3. RESOURCE PERSON/GUEST LECTURER**

- Delivered a lecture on “Techniques in Agricultural Research” at Ramkrishna More College, Akurdi for PhD students on 12th June.
- Three Days Induction Program for FYBA/BSc students conducted on 9-11 July in College campus and guided on College Activities and Value Education. Also performed as Program In-charge for FYBA class.
- CEC, University of Pune: Three Lectures were delivered at CEC, Savitribai Phule Pune University for the students preparing for UPSC exam on 26 September, 17 December & 31 December 2019.
- Delivered a lecture on Ecosystem at Huzurpaga Mahila College for the class SYBCom on 31 January 2020.

**4. SUBJECT EXPERT/JUDGE**

- Being a Judge at Modern College Shivajinagar for Vasundhara Fest, evaluated Posters, Rangoli and Geographical Models on 17 January 2020.

**5. Kirloskar Vasundhara**

- Worked as a Committee member for participating in Kirloskar Vasundhara Green College Clean College Competition where Committee visited on 26th December. Our

College got Third Prize in Green College Clean College Competition,

- Kirloskar Vasundhara Conference on Human and Wildlife Conflict: Concerns and Resolution organised by Biosphere and Dept of Botany and Geography of Modern College Ganeshkhind to commemorate KVIFF 2020 on 6 January 2020.

### Prof. Motilal More

- Worked as Internal Exam Incharge of Arts and conducted Backlog, regular and re-examination during an academic year 2019-20.
- Joined Ramnadi Parikrama on Bike conducted by Kirloskar Vasundhara for Ramnadi Restoration Mission on 15th September from the source of Ramnadi to confluence with

River Mutha at Baner, Pune.

### Prof. Jyoti Acharya

- Accompanied NSS students for Winter camp at village Khamgaon, Tal.Velhe, District Pune during 17-18 Dec 2019.
- Visited Exhibition along with 30 students organised by Jividha on 'Mountains calling' on 19 September at Yashwantrao Chavan Natya Gruha, Kothrud where Geographical Model on Mountains were displayed.
- Joined Nature Trail at Vetar Tekdi on 8th January 2020 headed by Dr. Sachin Punekar, Founder of Biosphere with Ushaprabha Page, Founder member of Giripremi.

**-Dr. Sanjay Patil**

Head, Department of Geography



Intercollegiate Geo Carnival Inauguration in Feb 2020



Ramnadi Parikram for Ramnadi Restoration on Bike on 15 Sept 2019

## DEPARTMENTAL REPORT 2019-20

## HISTORY

### DEPARTMENTAL ACTIVITIES:

#### ❖ Lokmanya Tilak's Birth Anniversary

The department had organized a program on the occasion of Lokmanya Tilak Birth anniversary on 23 July 2019. In this occasion the students of History spoke on various aspects of Lokmanya Tilak. 26 students had attended the program.

#### ❖ ANNABHAU SATHE BIRTH ANNIVERSARY

The department of History & Central Library of Modern College Ganeshkhind had jointly organized a program on the occasion of Annabhau

Sathe Birth anniversary on 1st August, 2019. Shweta Sawale Assistant Professor in Department of History Delivered lecture on this occasion.

#### ❖ MODI SCRIPT WRITING COURSE:

Since last 10 years, the department is consistently organizing the Modi Script Course. This year it was organized from 3rd August to 25th August 2019. This Year we conducted this Course by In House Faculty. Shweta Sawale & Dr. Gunjan Garud, Assistant Professor of History Department had conducted this class and taught

the basics of Modi Script. 33 participants of various age groups and professions enrolled for this course. On 24th August, Occasion of valedictory function of this course, Hon. Girish Mandke, Senior Expert of modi script, expressed own Views about the Importance of Modi Script. Hon. Shruti Bhatkhande Former HOD of History Department was Present as a Chief Guest. Hon. Principal Dr. Sanjay Kharat & Hon. Vice Principal Dr. jyoti Gagangras also made Special Appearance on this occasion.

#### ❖ **R.S. SHARMA'S AND ROMILA THAPAR'S (HISTORIANS) BIRTH ANNIVERSARY**

The Department of History Consistently organizes program on the birth anniversary of Indian Historians. The goals or objective of this program was to develop an understanding about Indian Historians and their works for Indian History Writing, among the students. On 21st December 2019, occasion of the Birth Anniversary of R. S. Sharma and Romila Thaper, Department organized Guest Lecture of Mr. DevKumar Ahire, Assistant Professor, Department of History SPPU.

#### ❖ **Savitribai Phule Birth anniversary**

The department of History & Central Library of Modern College Ganeshkhind had jointly organized a program on the occasion of Savitribai Phule Birth anniversary on 3rd January 2019.

#### ❖ **Study Tour**

Study tour was organized by the department for UG & PG Students on 30th December 2019, at Chawand Fort & Nane Ghat. 105 Students & three Teachers Were Participated in this Study Tour.

#### ❖ **Kaun Banega ? History Scholar !!**

Department of History organized the “Kaun Banega? History Scholar!!”, an inter college quiz competition related subject of history which was held on 17 January 2020. 121 students from Modern College, Ganeshkhind and 32 students from other colleges participated in the competition.

#### **Result:**

- ❖ **First Prize: 1) Shubham Nanavare-** Modern College, Ganeshkhind, Pune
- 2) **Saurav Pawar-** Dept. History Savitribai Phule Pune University
- 3) **Pratik Gaikwad** Dept. History Savitribai Phule Pune University
- ❖ **Second Prize: Ram Gaikwad -** Modern College, Ganeshkhind, Pune
- ❖ **Third Prize: Vikas Navgire**
- ❖ **Historical Documentary Film Club**

This is a unique activity of the department with the aim of awareness of History through audio visual means. Every Teacher of Department of History used ICT base Teaching Methodology. Through this club Department arrange Documentary Film Show Related Syllabus

#### **STAFF ACHIEVEMENTS:**

##### • **Dr. Shweta Sawale**

➤ Awarded the degree of Ph.D by the Tilak Maharashtra Vidyapeeth, entitled, “Chitramayajagat Masik: Ek Rajkiy, Samajik ani sankrutik abhyas” (1910 to 1968) on 25th September 2019.

##### • **Dr. Meenakshi Tiwari**

➤ Presented paper titled ‘Soviet Literary Movement & its Influence on all India Progressive Writers’ in the International Conference on ‘Image of India in Russia & image of Russia in India’ organized by SPPU Pune on 28-30 January 202.

➤ Seminar – Folk Literature and Folk Media – organized by Karmaveer Bhausaheb Hiray Arts, Science and Commerce College, Nimgaon, Malegaon.

➤ Paper Topic – The Study of Folklore and Social Awareness through writings of Nagarjun, A Progressive Writer, Index no.- 7, and page no.- 33-35.

##### • **Prof. Vivek Jadhavar**

➤ In 9th July 2019, delivered lecture on, ‘Heritage

## स्थलांतर

- of Pune' In Electronic Department Modern College Ganeshkhind, Pune.
- In 9th August 2019, delivered lecture on 'Memories of Old Pune', in Department of Law, Savitribai Phule Pune University.
  - In 25th August 2019, conducted Two day training programme for officers of Mahavitran under state project, in Prakash Bhavan(Mahavitran Training centre), Pune
  - In 3rd October 2019, Birth anniversary of Gandhiji, delivered a lecture on 'कालसुसंगत गांधी' Shri Padmani Jain College of Arts and Commerce, Pabal
  - In 17th feb. 2020 delivered Lecture on How to draft Right to information application at Modern College Warje Pune.
  - Conducted Two sessions on RTI Act for students of 57th batch CCTTI at Yashada 5th jan. 2020
  - Delivered lecture on the occasion of swami vivekanand birth anniversary at Modern College Ganeshkhind Pune, 12th Jan. 2020.
  - Conducted two session on RTI Act for officer of Treasury in foundation training programme at IIE, Pune organized by RAMETI India institute of Education, kothrud, 17th jan. 2020

### • Dr. Gunjan Garud

- Presented paper titled 'Leninism in Russia & its Influence un India' in the International Conference on 'Image of India in Russia & image of Russia in India ' organized by SPPU Pune on 28-30 January 2020.
- Dr. Gujan Garud Selected For Post-Doctoral Fellowship in SPPU Pune.

### Students Achievements:

- Our MA Part II Student Prajakta Yadav Qualified SET Examination Held on December 2019.
- Pratiksha Mane Student of MA (History) Batch 2016-17 to 2017-18 Qualified SET Examination Held on 23June 2019.
- Vishal Dangiste Student of MA (History) Batch 2016-17 to 2017-18 Qualified SET Examination Held on 23June 2019.
- Ashok Naitam Student of MA (History) Batch 2016-17 to 2017-18 Qualified SET Examination Held on 23June 2019.

### Dr. Jyoti Gagangras

Head, Department of History  
Vice-Principal -Arts



Modi Script Course



Study Tour Naneghat

*The harder you work for something,  
the greater you'll feel, when you achieve it.*

**१.राज्यस्तरीय निबंध स्पर्धा -**

भाषा विभागातर्फे राज्यस्तरीय निबंध स्पर्धेचे आयोजन करण्यात आले.या स्पर्धेला विविध महाविद्यालयातर्फे चांगला प्रतिसाद मिळाला.या स्पर्धेतील मराठी निबंध लेखन स्पर्धेचा निकाल पुढील प्रमाणे-

**प्रथम क्रमांक-** रुपाली जनार्दन पगारे के .व्ही . एन . नाईक महाविद्यालय ,नाशिक

**द्वितीय क्रमांक-** राखी अशोक वाघ सौ . सुशीलामाई काळे महाविद्यालय,कोळपेवाडी

**तृतीय क्रमांक-** सौरभ कदम मॉडर्न महाविद्यालय ,गणेशखिंड ,पुणे

**२.महात्मा गांधी विमर्च फाउंडेशन,**जळगाव यांच्या वतीने आयोजित करण्यात आलेली गांधी विचार संस्कार परीक्षा मराठी विभागात घेण्यात आली. कला आणि वाणिज्य विभागातील विद्यार्थी या स्पर्धेमध्ये सहभागी झाले

**३. नाट्यवाचन-** प्रथम वर्ष कला शाखेच्या विद्यार्थ्यांनी पु.ल.देशपांडे लिखित विडुल तो आला आला या नाटकाचे नाट्यवाचन केले.

**४. जागतिक मातृभाषा दिन -** (२१ फेब्रुवारी २०२०) हा दिवस महाविद्यालयात उत्साहाने साजरा झाला.मराठी भाषेची थोरवी याविषयावर विद्यार्थ्यांनी आपली मते मांडली.

**५. मराठी भाषा गौरव दिन-**( २७फेब्रुवारी २०२०.) कविवर्य कुसुमाग्रज यांचा वाढदिवस मराठी भाषा दिवस म्हणून साजरा केला जातो. मराठी विभागातही हा दिन विविध उपक्रमांच्या माध्यमातून साजरा करण्यात आला. कुसुमाग्रजांच्या विविध कविता विद्यार्थ्यांनी

यावेळी सादर केल्या.तसेच मराठी साहित्यावर प्रश्नमंजुषाही घेण्यात आली.

**६. मराठी भाषा संवर्धन** पंधरवाडा व युवासप्ताहांतर्गत काव्यवाचन स्पर्धा व वक्तृत्व स्पर्धाही घेण्यात आल्या.

**७.** माहितीचा अधिकार कायदा आणि अर्ज लेखन या विषयावर प्रा. विवेक जाधवर यांच्या व्याख्यानाचे आयोजन. या व्याख्यानाच्या वेळी प्रथम वर्ष, वाणिज्य या वर्गाचे १२० विद्यार्थी उपस्थित होते.

**शिक्षकांची कामगिरी**

**डॉ.संस्कृती आवलगावकर**

**१.रिफ्रेशर कोर्स -** ' रिफ्रेशर कोर्से ऑन टीचर अँड टीचिंग इन हायर एज्युकेशन 'स्वयंम ,एम.एच .आर.डी,१६/२/२०२०

**२. बी.ओ.ई सदस्य -**एफ . सी . महाविद्यालय ,मराठी विभाग ,पुणे

**३. फॅकल्टी डेव्हलपमेंट प्रोग्राम -** मॅनेजिंग ऑनलाईन क्लासेस अँड को-क्रिएटिंग मुकसः (१८ मे ते ३ जून २०२०) एम.एच. आर डी.

**लेख प्रविष्टद-** 'दायाद : 'वाडा'त्रयीचा रोमहर्षक प्रयोगाची अविस्मरणीय कहाणी' ,विशाखा २०१९ पृ . १०८

**विद्यार्थ्यांची कामगिरी**

तेजस पाटील, रोहन कवडे या विद्यार्थ्यांना विविध प्रतिथयश वक्तृत्व स्पर्धेत पारितोषिक प्राप्त.तसेच मनीषा दुधवडे या तृतीय वर्ष कला शाखेतील विद्यार्थ्यांनीस महात्मा गांधी विचार संस्कार परीक्षेत तृतीय क्रमांकाचे पारितोषिक प्राप्त.

**डॉ: संस्कृती आवलगावकर**

मराठी विभागप्रमुख



मराठी भाषा गौरव दिन



वक्तृत्व स्पर्धा - युवा सप्ताह

**DEPARTMENT ACTIVITY :**

**13 to 18 July 2019 : Bridge Course :** Majority of the students come from science background, need special orientation and bridging the gap hence the Bridge course was organised for FYBA students on basic concepts and introduction to political science. New CBEC pattern and a revised syllabus system has been introduced from 2019-20 academic year. Assignments : English Medium : Fundamental Duties, Marathi Medium : Samvidhan serial

**18 July 2019 : Pedagogical inputs :** A film on Ideology was screened for TYBA students as the paper is about Political Ideologies.

**September 2019 : Peer learning sessions :** For TYBA students peer learning sessions were organised. Chapter 3 is about Democratic Socialism. 3 types of the ideology viz. Fabianism, Syndicalism and Guild socialism were taught by Pawan Rasal, Saurabh Bharadwaj and Shivani Bundela respectively.

**13 Dec 2019 : Screening of Documentaries on Karl Marx :** Who is Karl Marx and Political Theory : Karl Marx to communism

**10 Jan 2020 :** Conducted a group discussion on Affirmative Action in SYBA : Divn C

**25 Jan 2020 :** Participation in National Voters' Day, organised an essay competition, 49 students participated. Also in all the classes the pledge was administered and the importance of voting as a right and a duty was explained

**February 2020 : Reading of the book :** Dear Ijeawele or a Feminist Manifesto in Fifteen Suggestions written by Imamanda Ngozi Adichie for the TYBA English Medium class and translation of the book published in the weekly 'Sadhana' was read by Rajendra Bhoiwar in the TYBA Marathi medium class.

**Feb 2019 : Reading of the Oxford Short Introduction :** Democracy by Suhas Palshikar to mark Lokshahi Pandharawda / A fortnight for

Democracy in SYBA English Medium class and 'Lokshahi Zindabad' by Suhas Palshikar, Yogendra Yadav and Peter D'Souza was read for the SYBA Marathi medium class.

**10 Feb 2020 :** Presentation on Ladakh by FYBA student Skarma Konchok to understand more about India especially after abrogation of Article 370

**28 Feb 2020:** Presentation on Jammu & Kashmir by FYBA student Rohit Verma to understand more about India especially after abrogation of Article 370

**STAFF ACHIEVEMENT****Gauri Kopardekar**

**6 July 2019 :** Attended a workshop on Learning Management System organised by the College

**July 2019 :** Resource Person for Induction Programme for the First Year Students of BA 9 July : FYBA Division B; 10 July : FYBA Division B & C; 11 July : FYBA Division A on Competitive Examinations as a career option and Anti-ragging cell

**26 July 2019 :** Liaison officer and Session Coordinator for the National Seminar organised jointly by NAAC, SPPU and the college on Best Practices. Also co-ordinated a session in the same.

**13 August 2019 :** Resource Person for an interdisciplinary orientation programme for SYBCom students on working of Parliament, Mock Parliament about Bank Nationalization

**31 August 2019 :** Invited to attend a seminar on New Education Policy organised by CEDA and S P College

BOS Meetings Balbharati Review Meetings on 11 & 12 July, 2019; Balbharati BOS Meeting 3 August 2019, Balbharati 12th Std. Text Book Review Workshop 17 -19 Sept 2019, BOS Meetings 13 & 14 Dec 2019

**13 Sept 2019:** Attended an induction

programme for teachers organised by the college

**Sept & Dec 2019** : Worked as a BOS member : Yashada and MTS

**October 2019** : Election Duty during Maharashtra Legislative Assembly Elections (Vidhan Sabha) Training 28 September 2019, 13 October 2019 and 20 & 21 October 2019

7 & 8 February 2020 : Session coordination and compering at the National Conference on 'Re-visiting Gandhi' organised by the Department of Sociology

**Sept 2019 – Feb 2020** : Completed an Online Refresher Course (ARPIT-SWAYAM) on Teachers and Teachers in Higher Education in India. Duration 30 Sept 2019 to January 2020 and the exam was on 16 Feb 2020.

**28 Dec 2019** : Attended an invited discussion meeting organised by ISPE on current economic scenario in India

**15 Feb 2020** : Invited to attend a workshop under the aegis of Cultural Heritage and Identities of Europe's Future project, SPPU

**2 & 3 March 2020** : Invited to attend Pune International Business Summit organised by MCCIA, Pune

**September 2019** : to Completed SWAYAM (ARPIT) online Refresher Course on Teacher and January 2020 Teaching in Higher Education in India. (16 weeks).

**Feb-Mar 2020** : A paper on Industrial

Infrastructure policies and labour policies in Maharashtra as a part of RUSA project headed by Prof. Dr. Rajeshwari Deshpande, Department of Politics & Public Administration, SPPU

**March 2020** : Completed UN's I Know Gender online courses 1 to 5 during the Corona lockdown period.

**Participation in College internal functioning** : Worked as a Chairperson, Admission Committee FYBA, Resource Person for Induction Programme of Arts Faculty, Member, Library Committee and conducted interviews for the book bank, Member, IQAC; Member, NAAC Criterion, Faculty for EVS for SYBA.

**Rajendra Bhoiwar**

**May-June 2019** : Participation as a field investigator in the National Election Study 2019 (Pre and Post Poll) conducted by Lokniti CSDS, New Delhi

**Oct 2019** : Participated in CSDS-SPPU pre-poll survey of Maharashtra Vidhan Sabha Elections 2019

**Jan 2020** : Published an article on 'Region wise, locality wise (Urban-Semi Urban, Rural) Voting Analysis of Lok Sabha and Vidhan Sabha Election 2019' in Maharashtra Varshiki 2020, Unique Academy

The departmental work was carried out with the support of a colleague, Mr. Rajendra Bhoiwar.

**Prof. Gauri Kopardekar**

Head, Department of Political Science



National Voters Day



Kavyavachan Competition (Hindi Department)

## DEPARTMENTAL REPORT 2019-20

## PSYCHOLOGY

**Koshish:** The academic year began with a meeting to Review the Internship of May 2019 where 25 students from the Department were part of a month-long Internship Program at 5 different Community Based Organisations. The students' feedback was that they had an enriched experience from working on the field. These organizations were: Bapu Trust for Mind and Discourse, Doorstep School, Streemukti Sanghatana, Alochana and Sathi Haath Badhana.

**Bridge Course for FY:** As a continuation of the Induction program a foundation course to evaluate the students' level of the subject and get everyone to the same level of subject matter a bridge course was designed and implemented.

**MINDSCAPE VOLUME IV:** The fourth volume of the Research Compendium was released which included all the papers students had presented in the AY 2018-19.

**DISHA:** There were three Group Discussions held on the topics 'Impact of Social Media and Youth', 'Addiction' and 'Psycho Socio Inclusion of North Eastern Students'.

**WORLD SUICIDE PREVENTION DAY:** 10th September, Students made Posters and went around the campus spreading the message that Suicide is Preventable. The campaign included Modern Law College as well.

**Personality Testing:** For the second time the

Department conducted Personality tests for TY BCom students. A Debriefing session to explain the results was also conducted.

**PSY WORLD V:** The theme of the Fest conducted by the Department was 'Cognitive Psychology', students presented various concepts of Cognitive Psychology like Attention, Memory, Language, Perception, Problem Solving in the form of interactive games, presentations and activities. The response was tremendous.

**KHOJ:** The Inaugural session of the ongoing research workshops conducted by Dr. Sadhana Natu was on the topic 'Art and Science of Writing an Abstract'. This was followed by many more sessions where Dr. Natu guided the students in all the stages of writing research papers for various conferences. Such as data collection, analysis, research writing, tips on preparing posters and PPTs as well mock presentations.

**INHOUSE WORKSHOPS:** Dr. Sadhana Natu conducted a workshop on 'Goal Setting and SWOC analysis'. Another workshop titled 'Moving Ahead in Psychology' was conducted with the following Resource Persons: Dr Sadhana Natu, Nashome Crasto, Adwaita Deshmukh, Nandini Thatte, Ketaki Joshi and Dhvani Giri. They spoke about different fields of Psychology such as Community, Palliative, Psychometry, Geriatric, DMT, School Counseling Psychology. An Orientation was conducted for

the SY students preparing them for TY and Practical conduction in TY. There was an interaction with Prayag Joshi from Imlee Mahua who spoke about Non formal Education and his experience of working with Adivasis.

**National Academy of Psychology Conference:** Around 28 students presented posters and oral presentations at the National conference held between 20th - 22nd December 2019 in Puducherry University. The students also held a poster display and presentation in the college where the students and staff could experience the efforts put in, under the theme 'Making Psychology Deliverable to Society'.

**Release of Kaleidoscope:** The 12th Volume of Kaleidoscope was released on 12th December 2019. The theme was Addiction. Resource Person was Dr Sanjyot Deshpande, Psycho-therapist.

**Alumni Meet:** Few past students visited the Department during Yuva Saptaha.

**MasterMind Quiz:** An annual quiz organised by the Department to test psychological concepts was met with enthusiasm as 20 teams participated.

**Euphoria:** The platform which encourages presenting psychological concepts in a creative way chose Fantasy as its theme. Many students presented their interpretation of Fantasy in the form of dance, song, and poetry.

**Kavita Katta:** Encouraged by Dr Natu, students gather to either present original poems or recite a favorite poem. The students presented a wide variety of themes and styles of poetry.

**Study Tour:** The TY students visited Light House in Aundh as a part of their study tour and got an insight into the functioning of an organisation working at a community level.

**Collaborative Research:** Dr Sadhana Natu, Akash Wasil, a student Department of Psychology at Harvard and Pennsylvania State University and Dr Sachin Shinde (alumni) collaborated on a research project. Dr Natu and

Dr Shinde mentored AkashWasil for pilot testing and protocols for designing a digital mental health tool. Students of the department participated in the process and Aishwarya Bhojkar and Bhoomi Anant assisted in data collection and FGDs. The outcome was a co-authored paper (Dr. Natu and Dr. Shinde with Akash and others) and a great learning experience and exposure for the students.

**Research on COVID 19** Dr Sadhana Natu assisted by Nashome Crasto and Adwaita Deshmukh prepared a Screening and Extensive Tool to measure COVID 19 related distress. The three with MA students Ishitta Shinde and Apurva Sapkal completed online data collection and analysed the data of 500 respondents and gave feedback. The study is being written up and will be sent for publication to a reputed journal.

#### **Individual Reports:**

**Dr Sadhana Natu** (Associate Professor and Head of the Department)

#### **Resource Person:**

1. Topic: Queering Mental Health at Samvad Setu Conference, Pune May 2019.
2. Topic: Qualitative Research Methodology for Course work in Psychology for M.Phil. and PhD students at the Department of Psychology, SPPU, June 2019
3. Topic: Rohith Vemula to Dr. Payaltadvi-Suicides or murders: Mental Health aspects organized by Yuva Bharat Sanstha, Pune, July 2019
4. Topic: Feminist Ethics in Research for Course work in Women's Studies for M.Phil. and PhD students at the Women's Studies Centre, SPPU, July 2019
5. Topic: How to work as Internal committee members for Leadership For Equity, NGO, Pune, August 2019
6. Topic: Mental health first aid at HRDC, SPPU December 2019
7. Topic: Mental Health Facebook Live session for Ashramshala hostel wardens on 23 April

2020

8. Topic: Why should women work for SNTD University and Tech Mahindra initiative 11 may, 2020
9. Topic: Psychology for Managers 101 for COEP Mechanical Engineering Alumni Group 1990 Online workshop, May 2020
10. Topics: What is Mental Health, Feminist Psychology, Social psychology and behaviour for activists and researchers organized by Yuva Bharat Sanstha Online workshops, May 2020
11. Topics: Careers after BA and careers after BA Psychology for students organized by SNTD University Online workshops June 2019
12. Topic: Awareness about Gender spectrum and Pride month for Senior managers of VMware Software, Pvt. Ltd Online workshop, June 2020

### **Consultancy:**

External Expert in Internal Committee of Leadership For Equity, NGO, Pune

### **Conferences:**

Leading a Symposium on "Making Psychology deliverable to society: On and off campus endeavours" at the 29th Annual Conference of National Academy of Psychology held in December 2019 in Puducherry University.

### **Editorial and Peer Review**

Peer reviewed National Academy of Psychology Conference Abstracts and also for National Journal Psychological Studies and 'Confluence' Journal of Symbiosis School of Liberal Arts. Edited In-house journal Kaleidoscope.

### **Research Work and Guidance**

Supervising 3 PhD students as Guide and 1 as Co Guide.

Referee for D. Phil. Thesis in Psychology of University of Allahabad

Prepared COVID 19 related Distress screening and extensive tool and research conducted through online data collection. Data analysis is

done and currently writing up the results for submission to a reputed research journal.

### **Expert**

Member of Committee on Counseling and Mentoring FDP of HRDC, SPPU

Member of Research Advisory Committee of Women's Studies Centre, SPPU

Pre submission Viva Expert at Women's Studies Centre, SPPU

M.Phil. and PhD.

Fellowship interviews at SARATHI, Govt. of Maharashtra, Pune

Staff Interviews at SARATHI, Govt. of Maharashtra, Pune

### **Publications**

1. Ajun barach palla gathaycha ahe.... Purushspandan, Nov 2019, Men against Violence and abuse, Mumbai Nov 2019

2. Mental Health and Development: Modelling Community Mental Health Program to influence National Policy Evaluation Report U. Vindhya, Kishore Kumar & Sadhana Natu

February 2020, Bapu Trust for Research on Mind and Discourse, Pune

**ISBN:** 978-81-944995-0-3

3 Viewing Death from the Front Row: Exploring Doctors' View of Death in the Age of Chronic Conditions, Terminal Illnesses and Varied Mortal Fears. Nandini Thatte, Dr Sadhana Natu,

IOSR Journal of Humanities and Social Science (IOSR-JHSS) Volume 25, Issue 3, Series. 8 (March. 2020) 56-60 e-ISSN: 2279-0837, p-ISSN: 2279-0845. www.iosrjournals.org

4. Life of Indian Women with Rheumatoid Arthritis: A Qualitative Study Sumita Chavare, Dr Sadhana Natu IOSR Journal of Humanities and Social Science (IOSR-JHSS) Volume 25, Issue 3, Series. 5 (March. 2020) 01-12 e-ISSN: 2279-0837, p-ISSN: 2279-0845. www.iosrjournals.org  
DOI: 10.9790/0837-2503050112  
www.iosrjournals.org

5. Harnessing single-session interventions to improve adolescent mental health and well-being in India: Development, adaptation, and pilot testing of online single-session interventions in Indian secondary schools Akash R. Wasil, Suh Jung Park, Sarah Gillespie, Rebecca Shingleton, Sachin Shinde, Sadhana Natu, John R. Weisz, Steven D. Hollon, Robert J. DeRubeis

Asian Journal of Psychiatry, 50(2020) 101980 Feb 2020, Elsevier

Mentor for Akash Wasil, a student Department of Psychology at Harvard and Pennsylvania State University for pilot testing of online interventions for mental health. Mentored him for FGDs, data collection and analysis and supervised research writing.

**Extension**

Free Online Counselling for COVID related distress on Manobal group and State level helpline from 25 March 2020 to 15 June 2020

**Coordinator** and initiator of the UG Certificate Course in Women’s Studies.

**Staff Members:**

**Nashome Crasto-** Presented Paper at National Academy of Psychology Conference ‘Making Psychology Deliverable to Societies’ held at Pondicherry University. Coordinated Undergraduate Women’s Studies Course conducted in the college.

**Swati Jagtap-** Attended State Level Conference ‘Contemporary Issues in Maintaining Physical and Mental Health by Sharad Chandraji Pawar College, Jejuri. Coordinated Undergraduate Women’s Studies Course conducted in the college.

**Shreyas Thade-** Attended a Syllabus Revision Workshop for MA at DY Patil College, Akurdi, Pune.

**Dr Sadhana Natu**

Head-Department of Psychology.



Release of Mind Scape Research Compendium Volume V at the Hands of Principal, Chief Guest, Mrs. Megha Bhojkar and Dr. Sadhana Natu.



Students of Psychology engaging Dr. Sanjay Kharat in a Attention game at the Psychology Fest Psy World. This was the Fourth Year of the Fest the theme of which was Cognitive Psychology.

“Education is not the learning of facts, but the training of the mind to think.”

— Albert Einstein

**DEPARTMENT ACTIVITY:**

**National Conference:** Board of Development Savitribai Phule Pune University and Department of Sociology Jointly Organized National Conference Titled: Revisiting Gandhi Dated: 7 & 8 February 2020 Under the Quality Improvement Programme.

**One Day Workshop:** Board of Student Development Savitribai Phule Pune University and Department of Sociology Jointly Organized one Day Workshop on Gender Sensitization Titled: "Lingbhav Samjun Ghetana"...Dated: 25 February 2020, 30 Students Participated outside College and 80 Student Participated from all the Faculties of Modern College, Mr. Nitin Gawande was Coordinator of the Workshop

**Dialogical Platform:** Under the Dialogical platform this year following activities conducted

**HIV Awareness Programme** Organized for Social Science Students with help of Prayas NGO: Mr. Nitish Narkhedker and his Team of Volunteers Guided Students.

**Film Screening** - on Various Social Issues and Group Discussion... On Following Film and Documentaries - Article 15, Capitalism, HIV AIDs Awareness films by Prayas Volunteers

**Tribal Handicraft Exhibition** - Organized Tribal Handicraft Exhibition was jointly organized by Department of Sociology and IDEAS, NGO and (17th December, 2019) Dr. Jayashree Kharche was Coordinator for the same. More than 2000 Students & Staff Visited to the Exhibition.

**GUEST LECTURES:**

- 1) Dr. Prashant Bansode , Associate Professor ,Gokhale Institute of Politics and Economics Guided Students of Sociology on Topic Titled : Why Sociology Dated : 150 Students attended this lecture
- 2) Dr. Deepa Patil: Medical Practitioner of

Homeopathy, Guided Students on: "Stress Management and Drug Addiction", 100 Students Participated.

**Eminent Personality Visited:**

- 1) Dr. Chaitra Redkar - ICYER Pune
- 2) Dr. B. T. Lavani - Former Director, Social Science Department, Bharti Vidyapeeth
- 3) Dr. Lata Prabhakar Madhukar - Documentation Officer, Vijapur, Karnataka
- 4) Mrs. Sushma Sharma - Director, Aanand Niketan, Wardha, Nagpur
- 5) Prof. R. M. Channavir - Dean, Social Sciences, Kalburgi, Gulbarga
- 6) Dr. Prerna Ubale - Head Department of Hindi, Modern College Shivaji Nagar Pune
- 7) Dr. Robin Tribhuvan - Deputy Director, Maharashtra Tribal Research Centre, Pune
- 8) Prof. Shruti Tambe - Head, Department of Sociology, SPPU Pune
- 9) Dr. Shashikala Rai - Assistant Professor, Department of History, SPPU Pune
- 10) Ms. Manaswini Lata Ravindra - FILM Director & Writer

**Total Funds Received to the Department this year:**

Total Funds received this year to Department of Sociology, 2 Lakhs and 5000/- Rupees (National Conference: Revisiting Gandhi: 200000/- Under QIP, SPPU + One Day Workshop: Gender Sensitization: 5000/- Funded by BSD SPPU)

**Internship Programme:** Internship Programme Conducted for Undergraduate Students of the Department with Doorstep School Following Student Participated for the same:

- 1) Manisha Dudhvade - TYBA ,2) Omkar Pawar SYBA 3) Rajashree Kambale TYBA 4) Aashish Chavre - SYBA 5) Aayasha Shaikh - SYBA

## Students Achievements:

### Achievement in NET Examination:

Mayuresh More our M.A. Sociology Student has Achieved Success NET Examination: December 2019

### Presented & Published Research Papers in National and State level Conferences:

- 1) Bhushan Fad Our MA I Student Presented Paper National Conference St. Miras College Title of the Conference: Understanding Indian Cinema Dated: 23 January 2020 Title of the Paper: "Mammo – A Human Face of Citizenship"
- 2) Bhushan Fad Our MA I Student Presented Paper National Conference Titled: Revisiting Gandhi Title of his Paper: Gandhi and partition of India 7&8 February 2020
- 3) Yash Meshram & Aashish Chavre : Our SYBA Student Presented & Published Paper in National Conference Titled : "Women Construction Workers : Sociological Study in Special : A Case Study of Pune City " Paper Published in Impact Factor 5.631 Research Journal Organized by Milind College of Arts Aurangabad 21 January 2020
- 4) Utkarsha Wakode & Dyaneshwar Ahire : Our TYBA Students Presented Paper Titled : "Vikasaani Jagtik Tapman Vadh" in State level Conference Development Equity and Social Justice Organized by SPPU 13 February 2020
- 5) Vaibhav Mane & Aashish Chavre – SYBA Student Presented Paper Titled: "Dharanaani Vyavsthapan" in State level Conference Development Equity and Social Justice Organized by SPPU 13 February 2020
- 6) Swarangi Deshpande & Yash Meshram - SYBA Student Presented Paper Titled : "Marginalized Communities : Development and Social Justice" in State level Conference Development Equity and Social Justice Organized by SPPU 13 February 2020

Alumni Achievements: Gajanan Wadurkar our Alumni has Achieved NET Examination: December 2019

## Staff Achievement:

**Dr. Jyoti Gagangras:** Head Department of Sociology & Vice Principal Arts

**1) Presented Paper:** 50th National Conference of Indian Sociological Society 27 to 29 December 2019 at Kerala Titled: "Environment, Culture and Development: Discourses and Intersections" Title of the Paper: "Socio-Economic Status of women Floweriest at Pune City".

**2) Presented Paper :** National Conference Revisiting Gandhi Dated : 7 & 8 February 2020 at Modern College Ganeshkhind Pune Title of the Paper : " Relevance of Mahatma Gandhi and Today's India"

### RESEARCH PAPER UNDER PUBLICATION:

1) National Conference Revisiting Gandhi Dated: 7 & 8 February 2020 at Modern College Ganeshkhind Pune Title of the Paper: "Relevance of Mahatma Gandhi and Today's India" ISBN No-

### Resource Person:

Worked as a Resource Person in one Day Revised Syllabus workshop of FYBA – 10 August 2019 Organized by Department of Sociology, Savitribai Phule, Pune University

Worked as a Resource person in one day "Syllabus Restructuring Workshop of Revised Syllabus MA at New Arts Commerce and Science College Ahmednagar on 13 January 2020

### Syllabus Restructure Committee:

Appointed on Revised Syllabus Committee of FYBA, SYBA & MA Semester IV as a Member.

### Attended Conferences / Workshops / Seminars:

Attended Following Conferences, Workshops and Seminars in this Academic Year:

-One day National Seminar on "Innovative and Best Practices in Higher Education" dated- 26th July 2019 organized by Modern college of Arts, Science and Commerce, Ganeshkhind, Pune In collaboration with NAAC, SPPU, CEDA and IQAC Cluster of India.

-Department of Sociology, Savitribai Phule Pune university, Advanced Studies Department and Sane Guruji Rashtriya Smarak Trust organized National conference "Feminist Discourses: Theories, Movements and Culture" on 28th and 29th November, 2019

-Attended 30 th National Conference of Marathi Smajshastr Parishd at Takshshila College, Aamravati 23 24 January 2020

-One Day State level Seminar on "Exploring Contemporary Trends in Sociology" Organized by Department of Sociology SP College Pune Under MHRD Scheme "Rashtriya Ucchyatar Shiksha Abhiyan" 28 February 2020

### **National Award:**

Received Best Teacher National Award 2019 by Marathi Smajshastra Parishad (National Conference) - 24 January 2020

**Dr. Megha Deshpande** - Assistant Professor

### **• Presented Paper in National Conference-**

\*National Policy Symposium, 13th-14th December 2019 Organized by TISS Tuljapur Campus. Presented Paper Titled - "Water conservation, Management and Innovation"

### **• Attended/ Participated National Conference-**

\*Department of Sociology, Savitribai Phule Pune university, Advanced studies Department and Sane Guruji Rashtriya Smarak Trust organized National conference "Feminist Discourses: Theories, Movements and Culture" on 28th and 29th November, 2019

\*One day National Seminar on "Innovative and Best Practices in Higher Education" dated- 26th July 2019 organized by Modern college of Arts, Science and Commerce, Ganeshkhind, Pune In collaboration with NAAC, SPPU, CEDA and IQAC Cluster of India.

• Worked as a contributory Faculty in Department of Sociology, SPPU for the year- 2019-20

• Worked as Subject Expert for FYBA Syllabus

Restructuring Committee.

### **Invited as a Resource Person-**

\*TLC and Department of Sociology, SPPU Organized One Day Workshop for "Syllabus Restructuring" on 13th Jan 2020

\*MHRD Sponsored TLC SPPU and Department of Sociology and Shivaji University organized One Day Workshop on "Violence against Children: Challenges in Prevention on 18th October 2019

• Two Research Papers under Publication with ISBN.

- "Gender as a barrier : In women's accessibility to health Services in Urban Slum" this Paper is Under Publication From Shivaji University , Kolhapur

"Education for Sustainable Development : Exploring Pedagogies" Under Publication From Modern Law College , Pune

**Dr. Jayshree Kharche** - Assistant Professor

• Coordinated Tribal Handicraft Exhibition. Exhibition was jointly organised by Department of Sociology and IDEAS, NGO and (17th December, 2019)

• Co-ordinator 'Vividhaa-2020' three days entrepreneurial Exhibition cum Sale jointly organised by Modern College Ganeshkhind and Modernites Alumni Association (16th to 18th Jan, 2020).

• Coordinated internship program for UG students (SY & TY BA Students) Internship at Doorstep School, Aundh, Pune. 5 students participated in internship program of 30 hours.

### **Workshop/Seminars Attended:**

• One day National Seminar on "Innovative and Best Practices in Higher Education" on 26th July, 2019 organized by Modern College, Ganeshkhind, in collaboration with NAAC, Savitribai Phule Pune University, IQAC Cluster India and CEDA.

• Attended Workshop Titled 'Feminist Discourses: Theories, Movements and Culture' jointly organized by Department of Sociology,

Savitribai Phule Pune University and Sane Guruji Rashtriya Smarak Trust on 28th and 29th November, 2019.

- One day workshop on gender sensitization titled 'Lingbhav Samjun Ghetana' organised by Sociology department of our College on 25th February 2020.

**Mr. Nitin Gawande** - Assistant Professor/ PhD Research Scholar

1) Attended National Conference on "Feminist Discourse: Theories, Moments and Culture", organised by Department of Sociology, Savitribai Phule Pune University and Sane Guruji Rashtriya Smarak Trust on dated 28th and 29th November 2019.

2) Participate in state level seminar on "Exploring Contemporary Trends in Sociology", organised by Department of Sociology, S. P. Collage, sponsored by MHRD. Held on 28th February 2020.

**Research Paper Presented:**

Presented research paper titled- "Economic Transition and Reservation Demand in the Context of Maharashtra", in the 45th All India Sociological Conference on "Environment Culture and Development: Discourse and Intersections", held on 27th 28th 29th December 2019.

Successfully Completed 3 PhD Presentations.

**Achieved NET Examination:**

Achieved Success in NET Exam of July 2019. Result Declared on 31st December 2019.

Mr. Abhijit Kambale :Assistant Professor/ PhD Research Scholar

Achieved Success NET with JRF in July 2019 Result Declared on 31 December 2019

Research Paper Presented:

**-Presented Paper** "Discourse of Development and Global Agendas" at National Seminar on Rethinking Development and Displacement in India Organized by Department of Sociology KTHM College, Nashik

-Presented Paper "Dams and India's Displacement Policy at Interdisciplinary National Conference on Development, Environment and Issues of Sustainability Organized by Social Research Foundation Aurangabad and Dr, Babasaheb Ambedkar Marathwada University Aurangabad.

**Dr. Jyoti Gagngras**

Head, Department of Sociology and Vice Principal-Arts



Department of Sociology Tribal Handicraft Exhibition



Department of Sociology: NSS & Pune Police Jointly Organized Activity: Road Safety Programme

**DEPARTMENT ACTIVITY****A) Skill Development Courses****• A Journey to be an Entrepreneur**

Faculty of commerce conducted thirty hours skill development course "A Journey to be an Entrepreneur" for T Y B Com students. It was inaugurated by Mr. Kiran Desai (Vice president of Alumni association and successful entrepreneur). Various sessions were organized on topics like Charms of an Entrepreneur, Business plan preparation, Business Idea Identification, Various schemes supporting Entrepreneurs etc. Entrepreneurs in various fields shared their experiences. 104 students completed course. Prof Sujata Deshmukh coordinated course.

**• Course in Operational Banking**

Future Banking Forum had organized 30 hours skill development course on 'Operational Banking'. It was designed by alumni bankers to make the human resource readily available to banking sector. 100 students completed course. Prof Vijayalaxmi Kulkarni and Prof Priyanka Bhamare coordinated this course.

**• "Train Her"**

Personality development course was conducted for S Y B Com students. Sessions on communication, Personal grooming, Body Language, Leadership, Motivation etc. were organized. Eight students completed course. Prof Priyanka Bhamare was the coordinator.

**B) Commerce Circle**

This year was the 2nd consecutive year of Commerce circle, 'A third eye of Commerce' which is a platform for conducting several co-curricular and extra-curricular activities for the students of Arts, Science and Commerce. The inaugural function was held on 9th August 2019 in A.V Hall at 11.00 am in the presence of Dr. Hema Joshi (Ex- Principal) Garware college of Commerce as a Chief Guest of the function. The following activities were conducted whole round

the year-

1. Book review Competition on 23rd August 2019 at 11.00am in Commerce lab.
2. Management Express wall magazine competition. On 5th September 2019 at 11.00 am in A.V. Hall on the theme 'Business Tycoons'.
3. Movie show of the movie 'Chalk N Duster' on 5th September 2019 at 9.00am in A. V. Hall.
4. Essay Competition on the topics of 1) Loan waiver the solution for farmer suicide? 2) Idea of Clean, green and healthy India 3) Future of Tiny, Khadi and village industries 4) Make in India vs Made in India. Held on 17th December 2019 at 11.00 am in commerce lab.
5. Template Designing competition on 17th December at 11.00am in Commerce lab
6. Startup Business idea competition on 18th December 2019 at 10.30 am in Commerce lab.
7. Business quiz Competition on 19th December 2019 at 10.00am in Commerce lab.
8. Mock Interview competition on 20th December 2019 at 11.00 am in Commerce lab. In the presence of Mr. Pushpak Shah Sr. Sales executive Edu Bridge Learning Pvt. Ltd. As external judge.
9. Photography Competition on the themes Street photography, Unique Architecture, Winter, Food/ Flower, held on 23rd January 2020 at 11.00 am in A.V. Hall in the presence of Mr. Hardik Shah Alumni of college & Photographer as external Judge.

To appraise & appreciate the efforts of participants and winners Prize distribution function was held on 20th February 2020 at 10.30 am in A. V. hall in the presence of Mr. Prashant Khankhoje, Director India Electron Exchange Ltd. & Senior Consultant.

In all of the above competition near about 300 students participated and 200 students received

prizes and certificates.

Dr. Mamata Shende coordinated activities of commerce circle.

### C) Future Banking Forum

Future Bankers Forum was formed under the guidance of Mr. Bipin Deokar Deputy Director of EPWRF Mumbai to ensure capacity building and thereby enhancing the employability of students. The following activities are conducted under the forum in the academic year 2019-20. The forum's activities began with the celebration of golden jubilee for bank nationalisation with the session on 'An overview of bank nationalisation' by ex. Deputy Director SLBC Bank of Maharashtra Mr. S.I. Deshmukh.

#### 1. Banking Day: 11th Aug

On every year 11th Aug is celebrated as Banking Day in the memory of late C.D. Deshmukh to inculcate the banking ethics amongst the students. Mr. Bipin Deokar interacted with the students on banking challenges all the members of forum took the pledge to make Indian banking system strong and stable.

#### 2. Mock Parliament

The forum conducted Mock Parliament on Bank Nationalisation issue on 14th Aug 19. The girls played role of ruling party and boys played a role of opposition party. This activity was conducted under the guidance of Mrs. Gauri Kopardekar, Head of Politics Department. Mrs. Kopardekar Madam discussed on parliament process and specially focussed on bank nationalisation before actual mock parliament.

#### 3. Investment Awareness Workshop

In collaboration with Bombay Stock Exchange forum conducted workshop on investment avenues and its importance on Dr. Virendra Tatke was a resource person towards how to make smart investment.

#### 4. Bank Connect

As the part of first semester of First year B.Com we have encouraged all students to link with any nationalised bank and during second semester

all were directed towards the use digital banking. Around 290 students have been benefitted through financial inclusion and literacy campaign.

#### 5. Hands on training

This year 73 students participated in 9 branches of Vidya Shakari BANK IN Pune city during 4th Nov to 29th Nov 2019.

#### 6. Presentations

a. TYBCOM students presented on the various specialised financial institutions.

b. SYBCOM students presented on the various cooperative institutions.

c. TYBCOM students presented on the entrepreneurial journey of 28 renowned entrepreneurs.

#### 7. Personality Test

In collaboration with Psychology Department personality test was conducted on 24th and 25th Aug 18. Around 82 students have taken their personality tested. Dr. Sadhana Natu discussed the various personalities and its impact on workplace.

#### 8. Training and placement

Forum has collaborated with Kabira Institute (A group of Bankers) for making the students employable in banking industry through training and two students have been placed with ICICI Prudential Ltd. Around 75 students have been benefitted through this collaboration.

#### 9. Bank Mitra

On 30th Dec 2019 the forum's Bank Mitra social platform celebrated New Year with grandparents at Swarnavidhar Retirement home. Bank Mitra donated 72.5 kg, dal and 10 liter sunflower oil collected by our forum volunteers in the college campus. Around 24 students have been participated. During this event forum has inaugurated its own designed poster on 'Senior Citizen Banking Services' given by bank as per RBI guidelines dated 9th Nov 2017.

#### 10. Survey at village

Banking satisfaction survey was conducted in

Khamgaon Chatra Village during NSS camp in association with Financial Literacy Foundation of Vidya cooperative bank Its and some of the finding were discussed and communicated to apex body i.e College of Agricultural Banking RBI Pune.

### 11. Interactive session and visit

Visit to College of Agricultural Banking RBI Pune was organised and interactive session on 7th Jan 20. Mr. Ashish Shriwastav interacted with our students on challenges in banking and we gave visit to Currency Archive and Financial Inclusion Centre at CAB-RBI. Around 60 students attended the visit and interactive session.

### 12. Pride of FBF (Future Banker's Forum) 19-20

Forum from this academic year has instituted an award to any senior student who has given valuable contribution in the form of creativity and leadership. This year three students were nominated and interviewed by our first year alumnus Mrs. Kalamkar. Akash Shivsaran the third year student was announced as Pride of FBF. The nature of award was Cash prize, Trophy, certificate in the memory of C.D.Deshmukh first Indian RBI Governor at the hands of our alumnus Mr. Rohan Mehadekar Vice president AXIX Bank Mumbai.

### D) Induction Programme

Induction program was organized for First year students. They were given information about working of College and made aware about rules and regulations of college. Lectures were arranged on topics like Anti ragging, Cyber security. Alumni interactions were also arranged.

Prof Manisha Bele and Prof Nitesh Gujarathi coordinated this program.

### E) Bridge Course

Bridge course was organized for international students and students who have passed HSC in stream other than Commerce. Lectures were organized in subjects like Accounting and Mathematics. Prof Sujata Deshmukh Conducted course.

### F) Cost Fest

COST FEST 2019-20 conducted an Exhibition of various products made by the students on 4th January, 2020. It was the Inaugural activity of the Cost Fest held at the college premises which began at 9.00 am. Practice preaches perfection when it comes to an exhibition. Entrepreneurship is imbibed by the students. Inaugurated by Shrikant Deo, Assistant Vice President-Innovation, Reliance Innovation Leadership Centre, Reliance Industries Pune. Shrikant Deo judged the products exhibited by the students and guided the participants very positive manner. 22 groups participated in the exhibition and exhibited their products like paper bags, chocolates cakes, herbal soaps, chat, health drink, jewellery, gift articles, etc. After evaluation of the exhibits Chief Guest Shrikant Deo expressed his views on the Innovation and its importance of in every stage of human life and business.

Poster competition was held on January 7, 2020 where a total of 17 posters were put up by all the contestants. This year two themes were given to the students to show their creativity -1.Election 2019-A Costing Perspective and 2. Behavioral Cost. Commerce lab hosted the event being mentored by Dr. Meena Goyal, from Indira Institute of Business and Management judged and encouraged the posters in a very positive manner which were put up by the contestants. Participants' creativity and innovative skills were appreciated by the judge.

Prof. Prerana Suru coordinated activities of Cost Fest.

### G) Entrepreneurship Development Cell

Following activities conducted under Entrepreneurship development cell in this year.

- Best out of waste competition.
- Diwali Mela- Exhibition of Diwali products made by students.
- My Entrepreneurial Journey – Guest lecture by Dr. Rucha Tandulwadkar

- Artificial flower making workshop for girl students.

Prof. Sujata Deshmukh coordinated activities of Entrepreneurship Development Cell throughout the year.

### H) Marketing Carnival

Marketing Carnival is an initiative to explore the knowledge of marketing given in theory and to learn the application of same in practical environment, also to educate and innovate in the world of marketing. This a platform made for development of all types of student and competitions were also organized considering the different personality of students.

This year was the 3rd consecutive year of this event. It was a two day event organized especially for the students of Marketing, held on 30th & 31st January 2020 in Commerce lab from 8.00 am to 1.00 pm. The event was inaugurated on 30th January 2020 at 11.00 am in Commerce lab in the presence of

Dr. Nandini Deshpande Principal (Incharge) Sinhgad College of Commerce.

The following competitions were held during the two day event-

1. Display Advertising Competition
2. Product design Competition
3. Group Discussion competition on the topic 'digital marketing is the need of hour?
4. Marketing quiz competition
5. Brand Rangoli competition
6. Mad Ad Competition
7. Audio Visual Advertising competition

Near about 100 students participated in the competition and were given prizes to winners and certificates of consolation in the commerce circle prize distribution function.

Dr. Mamata Shende was coordinator of Marketing Carnival.

### I) Academic Visit

Twenty teachers of commerce faculty visited

Dhananjayrao Gadgil College Satara. D G College is renowned college in commerce having commendable CGPA of 3.67 in NAAC assessment. Teachers observed working of college and viewed various activities conducted. Teachers interacted with Principal and teachers of D G College and received valuable inputs and ideas. This visit will help all commerce teachers in preparation of NAAC.

### J) Placement cell activities

The campus drive of TATA Consultancy Services was taken online by TCS on Pan India interview basis for back office operations for T.Y.B.Com. Students. The interview was held by introductory session, aptitude test, personal interviews, and telephonic interview etc. The interviews were conducted across different offices located in Pune and 9 students were selected in the drive. The introductory session of TCS and SKP and Edubridge was held in the college campus, Commerce Lab. The campus drives and activities were co-ordinated by Mrs. Shraddha Awasare (Coordinator-placement cell-Dept. of commerce).

**Prof. Shraddha Awasare** worked as coordinator for Placement Cell for Commerce Faculty.

### K) M Com

#### Student's activities

- Workshop of research methodology for M.Com second year, Dr. Prashant Sathe was the resource person.
- Guest lecture on GST was organized for first and second year; CA Khaladkar was the guest faculty.
- Lecture series was organized to update the recent trends like.
- Topic: Ethics in IPR: Mrs. Bhyagyashree Deshpande
- Topic: Stress management technique: Mrs. Archana Rathod and Mr. Deepak Gupte
- Topic: Interview techniques: Mrs. Shhetal Pares

- Topic: Careers in stock Market: Mr. Vora Manoj
- Skill Development Course of 30 contact hours: GST skill development course under the guidance of our alumnus CA Mr. Pratik Kadam was organized for Advanced Accountancy , Auditing and Taxation students.
- Employability Skill enhancement programs:
- Orientation session of hr manager Mrs. Prachi Sonchal was organized. Topic of session was 'A gateway to build impactful and effective personality'.
- Employability skill development techniques for Marathi medium students and Guest speaker was Mr. Anikhindi ex banker.
- Training and placement at Kabira Institute:
- o Three training programs were organized in collaboration with Kabira Institute and 35 students of Mcom got the training on how to appear for various exams and interviews in banking industry.
- Skill development program on Direct Tax Advisor at three CA Firms and 52 students

have completed 60 hours training at CA Firms.

- Research of students:
- Four students have presented their research paper in national conference at college at Rajur.
- C Intellect research magazine based on primary data Volume II is ready for publication.

### • Social Activity:

Mcom students had donated one box of soaps to Annapurna Ashram Alandi

### L) Guest Lectures

- Implementation of Goods and service Tax by Mr. Prashant Patil Deputy Commissioner GST and Custom
- Personal Grooming for girls by Ms. Leena Khandekar Lee Spa
- Importance of soft skills by Ms. Sheetal Parekh Corporate Trainer

### M) Students Achievements

- Radhika Deshmukh T Y B Com student got

## 1. Campus Drives

Name of Company	Selection Process	Position	No. of students Participated	No. of students selected
Nisarg Urja Pvt. Ltd.	1. Orientation 2. Group Discussion 3. Selection	Marketing Executive	22	02
Tata Consultancy Services	1. Orientation 2. Aptitude Test 3. Personal Interviews	TCS-Trainee Consumer Support	110	08
SKP and Edubridge	1. Orientation 2. Personal Interviews	Sales Executive	20	5

**Guest lectures arranged under placement cell activities. All the lectures were taken in the Commerce Lab in morning session.**

## 2. Personal Interviews.

Day and Date	Time	Activity	No. of students participated
23rd July 2019	11.00 am to 12.00am.	Lecture session on “ Career Guidance - CMA”	101
24th December 2019	10 am to 11 am	Session on “ Career Guidance”	38
24rd July 2019	9.00 am to 10.30am.	Lecture session on “ Career in Designing”	47
17th Sep 2019	9.00 am to 10.30 am	Session on “ Career in Airlines”	41

admission for Masters in Professional Accounting at Western Sydney University Australia.

- F Y B Com Division C students received second prize in Street Play Competition organized by Jayawant Institute of Management Studies.
- Sangram Kadam F Y B Com student received second and third prize in elocution competition in Forsight College and M U College Pimpri respectively.
- Vaibhav Kothawal passed IPCC examination.
- Nine students passed in C. A. Foundation examination.
- Three students passed Company secretary Foundation examination.
- Two students passed C M E Foundation examination.

### J) Teachers Achievements

#### a) Dr. Shubhangi Joshi

- Nominated as a member of Board of Studies (Commerce) in Sangameshwar College Solapur.
- Completed successfully NPTEL Online Certification in topic Entrepreneurial Essentials.
- Published chapter Women Empowerment through Entrepreneurship: A Study of First Generation Women Entrepreneurs in Pune City in book Women Empowerment: New Dimensions. Serials publications ISBN 978-93-

86611-85-7

#### b) Prof Manisha Bele

- Published Research Paper in Journal of Research and Innovation: Annual Journal of Sri Guru Nanak Dev Khalsa college, New Delhi , volume 3,no1,September 2018 to August 2019, ISSN:2456 8740 titled: The study of role of Cultural Intelligence of Teachers in Teaching Learning Process.
- Presented and published Research Paper for the National conference at BG College, New Sangavi ,Pune conducted on 6th&7th March 2020 on ‘Human Resource Management: Challenges and opportunities’ titled ‘A critical review on role of Emotional Intelligence (EI) and Cultural Intelligence (CI) of employees in building strong organizational culture.’ ‘AARHAT multi disciplinary International educational research journal [AMIERJ] ,peer reviewed journal ,March ,April 2020 ISSN: 2278 5655.vol IX, special issues (part A)
- Life membership of Business Ethics Foundation, Pune.
- Worked as a coordinator of execution of subject credits & extra credits for F Y BCom students
- Worked as a coordinator of Induction program & Parents meet for the year 2019-20
- Worked as Prospectus committee chairman for the year 2019-20

### c) Prof Parag Shah

- Successfully completed Refresher Course in Commerce and Management with A+ Grade under UGC-HRDC, conducted by Department of Management Sciences (PUMBA) Savitribai Phule Pune University from 5th to 18th November 2019.
- Successfully completed online Faculty Development Program (FDP) 'An Approach for Technical Skill Enhancement' organised by Toshniwal Arts, Commerce and Science College, Sengaon, Dist. Hingoli. (5th to 10th May 2020)
- Conference/Seminar/Workshop organized
- Organised and Coordinated a One Day National Seminar on Innovative and Best Practices in Higher Education (NAAC related Mentoring Programme for Colleges) on 26th July, 2019 in collaboration with National Assessment and Accreditation Council, (NAAC) Bangalore and Savitribai Phule Pune University, Co-organised with IQAC Cluster India and CEDA.
- Organized and Coordinated a Ten day Soft Skill Development Workshop for final year students of Arts & Commerce faculties in association with Mahindra Pride Classroom and NAANDI Foundation. (3rd to 12th December, 2018).
- Organised and Coordinated a Webinar on 'Fundamentals of Outcome Based Education' for teaching staff (4th April 2020) conducted by 'Inpods India'
- Coordinated a Four day National Webinar for Non-Teaching Staff on 'Role of Non-Teaching Staff in Accreditation and Quality Enhancement of Higher Education Institutes' organised by IQAC Cluster India and White Code Technology Solutions Pvt. Ltd. (20th to 23rd May 2020)

### Coordinator :

- Internal Quality Assurance Cell
- Soft Skill Development Programme
- Life Member Indian Accounting Association.

- Member Board of Studies (Hindi) – St. Mira's College for Girls (Autonomous)
- Member Board of Studies for Value added Course in 'Retail Management', Department of Commerce, Karnatak Arts, Science & Commerce College, Bidar, Karnataka
- Member IQAC, Shri Balaji Society's Balaji College of Arts, Commerce & Science, Pune.
- Conducted Academic and Administrative Audit of MES Garware College of Commerce, Pune.

### Resource Person for –

- Two day National Seminar on 'Revised Accreditation Framework (RAF)' organised by ICS College, Khed, Dist. Ratnagari (3rd August, 2019).
- Two day NAAC Sponsored National Conference on 'Role of ICT in Teaching-Learning and Evaluation : Closure and Conclusions' organised by Karnatak Arts, Science & Commerce College, Bidar, Karnataka (23rd August, 2019).
- Two day NAAC Sponsored National Conference on 'Sensitization of Changing Perspectives in NAAC Assessment and Accreditation Process' organised by Smt. Veeramma Gangasiri Degree College for Women, Kalburagi, Karnataka (13th September, 2019).
- Two day State Level workshop 'IQAC Preparations for Teaching and Non-teaching Staff' organised by Shri Siddhivinayak Mahila Mahavidyalaya, Pune (21st January, 2020).
- Orientation Programme organised by UGC-HRDC, SPPU, Pune (22nd January, 2020)
- A four day National Webinar-01 on 'Revised Accreditation Framework' organised by IQAC Cluster India and White Code Technology Solutions Pvt. Ltd. (9th April, 2020)
- A four day National Webinar-02 on 'Revised Accreditation Framework' organised by IQAC Cluster India and White Code Technology Solutions Pvt. Ltd. (14th April, 2020)

- A four day National Webinar-03 on 'Revised Accreditation Framework' organised by IQAC Cluster India and White Code Technology Solutions Pvt. Ltd. (22nd April, 2020)
  - A four day National Webinar-04 on 'Revised Accreditation Framework' organised by IQAC Cluster India and White Code Technology Solutions Pvt. Ltd. (8th May, 2020)
  - A three day National Webinar-05 on 'Revised Accreditation Framework' organised by IQAC Cluster India and White Code Technology Solutions Pvt. Ltd. (21st May, 2020)
  - A two day National Webinar on 'Filling up online AQAR' organised by IQAC Cluster India and White Code Technology Solutions Pvt. Ltd. (12th May, 2020)
  - A four day National Webinar for Non-Teaching Staff on 'Role of Non-Teaching Staff in Accreditation and Quality Enhancement of Higher Education Institutes' organised by IQAC Cluster India and White Code Technology Solutions Pvt. Ltd. (22nd May and 23rd May 2020)
  - A four day Webinar on 'Revised Accreditation Framework' organised by IQAC Cluster India and White Code Technology Solutions Pvt. Ltd. in association with Sangamner College under Paramarsh Scheme of UGC (13th April, 2020)
  - A four day Webinar on 'Revised Accreditation Framework' organised by IQAC Cluster India and White Code Technology Solutions Pvt. Ltd. in association with T. C. College, Baramati under Paramarsh Scheme of UGC (29th April, 2020)
  - A workshop on 'Filing AQAR under new NAAC Manual' organised by Shroff College, Kandivali (W), Mumbai (28 June, 2019)
  - Guest lecture for students of Karnatak Arts, Science & Commerce College, Bidar, Karnataka on 'Communication Skills for Business' (23rd August 2019)
  - Guest lecture for students of Maharashtra Education Society's Hostel, Karve Road, Pune on 'Soft Skills' (5th September 2019)
  - Guest lecture for students of H. V. Desai College, Pune on
    - o 'Creativity' (25th November 2019) &
    - o 'Body Language' (29th November 2019)
  - A workshop on 'NAAC Overview and Qualitative Metrics' organised by PES Modern College of Commerce and Computer Studies, Nigdi, Pune (9th March, 2020)
  - A workshop on 'New AQAR Guidelines' organised by Haribhai V. Desai College, Pune (17th July, 2019)
- d) Prof. Manjusha Kulkarni,**
- Participated in 2 days workshop organised by SPPU, Government of Maharashtra and NSS ' Saksham Yuva Samarth Bharat Abhiyan 2019
  - Member of Board of Studies : St. Mira's College for Girls ( Autonomous)
    1. Member of Board of Studies of St. Mira's College for Girls for Research Methodology M.Com Part II
    2. Member of Board of Studies of St. Mira's College for Girls for Recent Trends in Business Administration M.Com Part II
    3. Member of Board of Studies of St. Mira's College for Girls for Capital Market and Financial Services M.Com Part II
    4. Member of Board of Studies of St. Mira's College for Girls for Behavioral Finance M.Com Part II
    5. Member of Board of Studies of St. Mira's College for Girls for Business Entrepreneurship S.Y.B.COM
  - Visiting Faculty at: T. J. College, Khadaki for M.Com Students
  - **Resource Person for-**
    - Workshop Arranged for B.com students in Entrepreneurship on
    - 'Start Ups and Digital Marketing' at M.U. College, Pimpri
    - Deliver Guest lecture on Target Costing at

## स्थलांतर

Siddhivinayak College, Pune

- Deliver Guest lecture on Job evaluation and Job Description at Siddhivinayak College, Pune
- Conducted Course of Reserach Methodology in St. Mira's College for M.A and M.com and B.Com Students.
- Presented paper in International Conference of ASM on Impact and Importance of

Technology on Education ISBN 978-93-88441-42-1

e) **Dr. Priyanka Bhamare**

Selected as a subject expert for BOS in the subject International Business at TC College (Deemed Univ.), Baramati.

**Dr. Shubhangi Joshi**  
Vice Principal Commerce



Banker's Gathering at Campus



Academic Visit D.G. College Satara



Cost Fest



Mad-Ad Competition



Workshop on IPR



Entrepreneurship Development Cell

**DEPARTMENTAL ACTIVITIES**

BBA (CA) Department under faculty of Commerce organized many student centric activities like

**A] "MANIT 2020": An Intercollegiate Competition**

The Department of BBA (CA) under faculty of Commerce had organized an intercollegiate event "MAGNIT 2020" on 29th and 30th January 2020. The objective of this event was to explore and promote talents amongst the students. This year MAGNIT event was inaugurated by the hands of Dr. Sanjay Kharat, Principal Modern College, Ganeshkhind and Dr. Shubhangi Joshi, Vice principal of Commerce. In Valedictory function prizes were distributed by the hand of Chief Guest Dr. Parag Kalkar, Dean, Faculty of Commerce and Management, Savitribai Phule Pune University and Dr. Prakash Dixit, Dy. Secretary P.E.S's. "MAGNIT 2020" consisted of various competitions like:

- 1) NIRMITI (Best Out of Waste Competition)
- 2) CANVAS (Wall Magazine Competition)
- 3) MANTHAN (Group Discussion Competition)

Students from BBA (CA) and BCA course of various colleges actively participated in different competitions. These Competitions were judged by Judges from Academics and Industry. This time prizes were distributed in Valedictory Function by the hand of vigorous and proficient personality.

**List of the Winners in Different Competition are: 1) The winners of NIRMITI -Best Out of Waste Competition are:**

- 1st-Niyati Naik (Modern College, Ganesh khind, Pune 16)
- 2nd-Neha Salke and Pranav Videkar (Modern College, Ganeshkhind, Pune 16)
- 3rd-Vikas (Modern College, Ganeshkhind, Pune 16)

4th-Shraddha Singh and Sonal Sharma (Modern College, Ganeshkhind, Pune 16) - (Appreciation Prize)

**2) The winners of CANVAS -Wall Magazine Competition are:**

- 1st- Utkasha Wakode and Dnyaneshwar Wate (Modern College, Ganeshkhind, Pune 16)
- 2nd-Sholk Katare (Modern College, Ganeshkhind, Pune 16)
- 3rd- Harsh Kumar Kale and Shrinivas-Kamble (S.M.Joshi College, Hadpsar, Pune)
- 4th- Akash Ohal (Modern College, Ganeshkhind, Pune 16) - (Appreciation Prize)

**3) The winners of MANTHAN -Group Discussion Competition are:**

- 1st- Sholk Katare (Modern College, Ganeshkhind, Pune 16)
- 2nd-Chaitanya Gaikwad (Modern College, Ganeshkhind, Pune 16)
- 3rd- Nandita Magesh (Modern College, Ganeshkhind, Pune 16)

**B] Elocution Competition:**

On the occasion of Teacher's Day Department of BBA (CA) organized "Teachers day cum Elocution Competition" for all the Students of BBA(CA) under the assessment of Dr. Deepanita Bhanja, Asst. Professor, Department of English on dated 5th September 2020. List of the Winners in this Competition are:

- 1st- Chaitanya Gaikwad (F.Y.BBA (CA))
- 2nd- Chinmay Chougule (S.Y.BBA (CA))
- 3rd- Pranav Jagtap (F.Y.BBA (CA))
- 4th- Amey Rajmane (F.Y.BBA (CA)) - (Appreciation Prize)

**C] Aptitude Test:**

To prepare students for the selection process four tests were conducted this year. The topics covered are

1. Test on “Current Affairs 2019” conducted for TYBBA (CA) on 20th December 2019.
2. Test on “C and DBMS “conducted for FY, SY and TYBBA (CA) on 3rd January 2020.
3. Test on “C++ Concepts”conducted for SY and TYBBA (CA) on 10th January 2020.
4. Test on HTML and PHP conducted for TYBBA (CA) on 7th February 2020.

### **D] Guest Lecture Series:**

This year department has organized Guest Lectures wherein expert from industry, academics and different fields guided students on Management, IT and Computer Programming related subjects. The details are as follows

1. A guest lecture has been conducted for all students on “Smart Internet Surfing” by Dr. Sangeeta Dhamdhare, Librarian, Modern College, Ganeshkhind on dated 3rd September 2019.
2. A workshop on “Automation Testing – 3 modules” was conducted by Mr. Umesh Kumbhar, Senior Software Engineer, GS Lab Pvt. Ltd. Baner, Pune on dated 14th, 21st and 28th December 2019.
3. A guest lecture on “Overseas Education Opportunities for Indian Students” was conducted by Mr. Ankit Kothari from Veena Hind Overseas on dated 30th January 2020.
4. A guest lecture on “Confidence Building” was conducted by Sandhya Zope, Assistant Counselor Department of Psychology, Modern College, Ganeshkhind on dated 13th February 2020.

### **E] Parent and Alumni Meeting:**

Department of BBA (CA) conducted Parent-Alumni-Teacher Meet in the month of July 2019 to introduce college to the parents and also to communicate performance and progress of the alumni of our college.

### **F] Induction Program:**

Department of BBA (CA) organized induction program for First year students in the month of

July 2019.

### **G] Bridge Course:**

Bridge course were conducted by department of BBA (CA) for the first year students in the month of July 2019.

### **H] Remedial Coaching:**

In response to the student’s request and from the results of internal evaluation, expert guidance sessions of two hours each under Remedial Coaching for the subject Business Statistics were organized by the department of BBA (CA) for the needy students on 15th and 16th October, 2019.

### **I] Placement Cell:**

- 1) Visit to National Insurance Academy, Baner Road Dt: 07-12-19 was organized by college placement cell. Seven students from BBA (CA) department participated to attend the seminar on the topic “Opportunities in the Field of Insurance”.
- 2) Student Attended Pre Placement Activity conducted By TCS Company on 13th December 2019 in college. How to prepare for the interview? What preparation should be done at graduate level? Was discussed by the TCS staff. Most of the TYBBA (CA) students participated in this event.
- 3) Students were intimated about different campus drives conducted by companies like Wipro, TCS Syntel etc.

### **STUDENT ACHIEVEMENTS / ACTIVITIES**

- i) Many Students of FY, SY and TYBBA (CA) presented paper in EXPLORER- “INTER-COLLEGIATE RESEARCH PAPER PRESENTATION COMPETITION” on 26th & 27th August 2019 organized by department of Computer Science, Dr. D. Y. Patil College, Pimpri.
- ii) **Chaitanya Gaikwad** student of FYBBA (CA) won first prize in “Mock Interview Competition” organized by Faculty of Commerce, Modern College of Arts, Science and Commerce, Ganeshkhind, Pune 16 on 20th December 2019.

### iii) Sakshi Bade-

- 1) Student of FYBBA (CA) has successfully completed the “Cyber Fit Program” conducted by Asian School of Cyber Laws.
- 2) Won third prize in Badminton girls doubles interclass college competition on sports day organized by Modern College of Arts, Science and Commerce, Ganeshkhind, Pune 16.

iv) **Sagar Singh** student of FYBBA (CA) won first prize in interclass Basketball competition organized by Modern College of Arts, Science and Commerce, Ganeshkhind, Pune 16.

### v) Shravani Bandal-

- 1) Student of FYBBA (CA) participated in online course titled “Career Edge-Knockdown the Lockdown” organized by TCS.
- 2) Participated in Intercollegiate Competition on “Web Technology” organized by BBA (CA) department, Mahatma Phule Mahavidyalaya, Pimpri.
- 3) Participated and completed online “Quiz on ‘C’ Programming” organized by BBA (CA) department, Waghire College, Saswad.
- 4) Successfully completed Massive Open Online Course on “GST IN 90 MINUTES” an Awareness in Goods and Services Tax organized by Sky campus and Digital Learning Hub.
- 5) Participated in online course titled “TCS ion Corona Warriors” organized by TCS.

vi) **Rananaware Raturaj** student of SYBBA (CA) won runner up place in the Inter Collegiate Baseball tournament organized by Pune Zonal Sports Committee.

vii) **Chinmay Chougule** student of SYBBA (CA) won third prize in BOOK Review Competition organized by Faculty of Commerce, Modern College of Arts, Science and Commerce, Ganeshkhind, Pune 16 on 28th August 2019.

viii) **Abhshek Nagarkar** student of SYBBA (CA) won prize in the Inter Collegiate Basketball tournament organized by Pune Zonal Sports Committee.

### ix) Shlok Katare

- 1) Student of TYBBA (CA) participated in Basic leadership camp organized by NCC Directorate Maharashtra on 14th December 2019.
- 2) Participated in Three months Camp CATC-710 organized by Naval Unit NCC.
- 3) Won third (Bronze) prize in 100-fs in first district level swimming competition organized by Datta Bahirat Friend Circle Charitable Trust.
- 4) Won first prize in swimming intra club competition 2019 championship organized by V.B. Patil Swimming Pool & Fitness Club.
- 5) Presented paper in AIChE regional Student Conference 2019 India held on 30th -31st August 2019 organized by department of Chemical Engineering, MIT-World Peace University, Pune.

x) **Krishna Virkar** – Student of TYBBA (CA) won Best player in the Basketball competition organized by Modern College of Arts, Science and Commerce, Ganeshkhind, Pune 16.

xi) BBA (CA) girls and boys team won first prize in intercollegiate Basketball Competition organized by Modern College of Arts, Science and Commerce, Ganeshkhind, Pune 16.

### STAFF ACHIEVEMENTS / ACTIVITIES

#### 1. Suvarna Mhasekar :

- i) Presented paper titled “Data mining techniques implementation for handling big data in E-Commerce Application” in AICTE Sponsored National Conference on Emerging Trends, Challenges and Opportunities in Data Mining and Information Security organized by Bharati Vidyapeeth on 17th -18th January, 2020. Paper published in NTCOMIS-2020 Conference Proceeding, ISBN: 978-81-920113-4.9
- ii) Completed Online Refresher Course on “Teacher and Teaching in Higher Education” on Swayam Portal successfully.

- iii) Attended the “Art of Thesis Writing” Workshop jointly organized by Modern College of Rehoboth Academic Services on 1st June 2019.
- iv) Attended Webinar on 4th April 2020 on “Fundamentals of Outcome –Based Education” organized by Modern College.
- v) Attended Webinar on 10th April 2020 titled “How to frame Hypothesis and Objectives and Research Question” organized by Research Promotion Cell of Satish Pradhan Dnyana-sadhana College, Thane.
- vi) Attended and Participated in One week Workshop titled “Journey of Research” organized by Global Human Research Welfare and Society from 16th April to 23rd April 2020.
- vii) Attended and Participated in an inter-collegiate Webinar on “Writing and Publishing Skills for Research” organized by Swami Hansumuni Maharaj Degree College of Commerce, 421004 on 17th April 2020.
- viii) Attended Webinar on 24th April 2020 titled “Prezi- A Digital Tool for Presentation” organized by Bright Skill Kranti for teachers.
- ix) Attended One day online workshop on topic “Joy of Research” organized by IQAC and Research Promotion Cell of M.S.College, Mumbra on 24th April 2020.
- x) Attended and Participated in One day online workshop on “Drafting of Doctoral Thesis” organized by IQAC and commerce department of Swami Hansumuni Maharaj Degree College of Commerce, 421004 on 25th April 2020.
- xi) Attended and Participated in Free Online National Workshop on “Effective Teaching Tools to Teach Millennial Learners” from 27th April to 2nd May 2020 organized by K. J. Somaiya College of Arts and Commerce, (Autonomous), VidyaVihar, Mumbai-400077.
- xii) Attended Faculty Development Program on

“Effective Case Study Writing “by Dr.Jayant Oak and “Modern Payment Systems and Virtual Money” by Mr. Atul Kahate on 27th and 28th April 2020 organized by IMED Bharti Vidyapeeth’s (Deemed to be University), Pune.

- xiii) Participated in “NET/SET Qualifying: A Need of Academicians” webinar organized by IQAC and Research Promotion Cell of M. S. College, Mumbra on 29th April 2020.
- xiv) Participated in webinar on 30th April 2020 titled “YouTube-An Effective Digital asset for Teaching and Learning” jointly organized by Chandrabhan Sharma College of Arts, Science and Commerce, Powai and Bright Skill Kranti.
- xv) Participated in webinar titled “Stress Management” on 1st May 2020 organized by Shree L. R. Tiwari Degree College of Arts, Commerce and Science, Mira road in association with Right To Sports.

Participated in online “Covid-19 Awareness Quiz” organized by IQAC of M.S.Kakade College, Someshwarnagar, Baramati, Pune on 27th April 2020.

### 2. Priti Deshmukh :

- i) Developed a MOOC on “Learn C programming in Three Weeks”  
Link: [https://www.udemy.com/course/learnc\\_priti\\_deshmukh/](https://www.udemy.com/course/learnc_priti_deshmukh/)

#### **This course includes**

- i) 20 Lectures
- ii) Full Lifetime Access
- iii) Access on mobile and TV
- iv) Assignments
- v) Certificate of completion

### 3. Vinod Sarode :

- i) Attended Webinar on 4th April 2020 on “Fundamentals of Outcome –Based Education” organized by Modern College, Ganeshkhind, Pune-16.

- ii) Attended Webinar for Video Editing Tools which organized by Department Of Computer Science and IQAC, S. M, Joshi College, Hadapsar, Pune.
- iii) Completed One Week FDP Program for Python 3.4.3 Training Course which offered by Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.
- iv) Attended Webinar for Online Teaching which organized by Savitribai Phule Pune University and BPHE Societies, Ahmednagar College, Ahmednagar, Pune.

#### 4. Anita Chavare :

- i) Registered for Pythononline course on Swayam Portal.
- ii) Attended Webinar on 4th April 2020 on “Fundamentals of Outcome –Based Education” organized by Modern College, Ganeshkhind, Pune-16.

- iii) Attended and participated in “Moodle-hands on training” webinar on 15th April, 18th April, 22nd April 2020 and 3rd May 2020 organized by Modern College of Ganeshkhind, Pune-16.

#### 5. Pooja Borate :

- i) Registered for Pythoncourse on Swayam Portal.
- ii) Attended Webinar on 4th April 2020 on “Fundamentals of Outcome –Based Education” organized by Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-16.
- iii) Attended and participated in “Moodle-hands on training” webinar on 15th April, 18th April, 22nd April 2020 from 4:00 pm to 7:00 pm and 3rd May 2020 organized by Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-16.

**Prof. Suvarna Mhasekar**  
Coordinator, BBA (CA)



Nirmiti Magn-IT 2020



Canvas Competition Magn-IT 2020

## DEPARTMENTAL REPORT 2019-20

## BCA SCIENCE

### ❖ Activities Organized

#### • Induction Program for B.C.A

Induction program for BCA (Science) students was conducted for three days during 9 July 2019 to 11 July 2019.

#### • Parents Meeting Details: -

A Parent Teacher Meet was held on 31st Aug. 2019 for the parents of F.Y.B.C.A (Science) students.

#### • LMS Activity: -

• BCA (Science) Department conducted Learning Management System introduction for FYBCA (science) on 9th Jan 2020.

## LMS Activity

### ❖ Guest Lecture on Internet of Things (IoT)

❖ A guest lecture on the subject – Internet of Things (IoT) was organized by the BCA Department for BCA (science) students on 28th December, 2019. The speaker for the lecture was Mrs. Neha Girme Supekar, co-founder and CTO, Bi-embedly, Pune.

### Guest Lecture on IoT

#### ❖ Guest Lecture on Building Self Confidence

❖ A guest lecture was organised by the BCA (Science) Department for F.Y.B.C.A. students on – Building Self Confidence on 20th January 2020.

❖ The speaker for the lecture was Mrs. Sandhya Zope, assistant counsellor, counseling cell.

#### ❖ Guest Lecture on Mobile Technologies

❖ A guest lecture was organised by the BCA (Science) Department for T.Y.B.C.A. students on – Mobile Technologies on 20th January 2020.

#### ❖ Guest Lecture on CV Writing and Interview Techniques

❖ A guest lecture was organised by the BCA (Science) Department for T.Y.B.C.A. students on – CV writing and Interview Techniques on 8th February 2020.

#### ❖ Embedded C and Robotics Workshop for F.Y.B.C.A.:

30 hours Course structure was designed for BCA (science) students from 25th January 2020 to 13th February 2020. This course was organized by department and conducted by Mr. Sandeep Agashe and Mr. Prasad Pashankar expert in the field of Embedded Technologies. 13 students have actively participated in this course. Through this course we have provided hands on skill in embedded C and Android App Design Programming for Robocar. This course covers concept of Embedded System, Keil u Vision, Embedded C, Programming 8051, Introduction to Micro controller families, Introduction to 8051 micro controller Architecture, Basic interfacing and programming, Introduction to Android App

for Robo-Car, Hands on Android based Robo-Car.

#### ❖ Field Visit to NIA:

A field visit of T.Y.B.C.A (Science) students was organized to NIA (National Insurance Academy) which is a premier institution to equip the insurance industry with the best of talents. The students learned to develop their skills in the management of Insurance, Pension and allied sectors.

#### ❖ Field Visit to Empress Garden:

A field visit of S.Y.B.C.A. (Science) students was organized to “Empress Garden”, Pune on 1st February 2020 as a part of environmental studies.

#### ❖ Students Achievements:

Sr. No.	Name of the Student	Class Name	Competition
1	Bindiya Shetty Snehal Rakte Pravin Divekar Sham Patil	FYBCA (Sci.)	First place in Treasure hunt
2	Sujata Gangarde Bindiya Shetty Praful Dalvi Akshay Meher	FYBCA (Sci.)	Third place in Quiz
3	Aditya Patil	FYBCA (Sci.)	Second place in Baseball
4	Praful Dalvi	FYBCA (Sci.)	Third place in Assemble IT

#### ❖ Placement Cell :

Ms. Shreya Raut (TYBCA) got selected in Infosys and Cognizant under placement drive.

#### ❖ Staff Achievements:

❖ Mr Deepak Kumbhar organized a skill based Embedded C and Robotics Workshop for B.C.A (Science) students at Modern College, Ganeshkhind, Pune-16.

❖ Mrs. Sonali Powar attended Faculty Development Programme on Data Science from 16th to 21st December 2019. The program was conducted at IMCC, Pune and jointly organized

by Shivaji University, Kolhapur and IMCC, Pune.

❖ Miss. Roja Pogul Organized a Field Tour of Environmental Awareness Course for S.Y.B.C.A

Students at Empress Garden Pune.

**Mr. Deepak Kumbhar**  
Co-ordinator, BCA (Science)



Parent Teacher meeting for F.Y.B.C.A.



Robotics Workshop

## DEPARTMENTAL REPORT 2019-20

## BIOTECHNOLOGY (UG)

### Academic Activities:

#### Conference / Workshop

1. International Conference on "Biotechnology: Perspective & challenges" (Under Quality Improvement Program of SPPU) Dated: 14-15th Feb, 2020.

Registered 180 participants, more than 250 attended

#### 2. Workshop:

**One-day Workshop on "Advanced Chromatographic Techniques"** under Board of Students' Development programme of SPPU for undergraduate students.

Dated: 27th January 2020

#### Resource persons:

1. Dr. Ayesha Khan, Department of Chemistry SPPU
2. Dr. Pooja Rana
3. Dr. Priyanka Sharma

#### Courses and trainings:

##### 1. Induction program: For F.Y. B.Sc.

Dates and Day : 9 July-11 July, 2019

#### Names of Resource persons:

1. Dr Rekha Gupta: "College profile and Activities"
2. Dr Angeline Je Kumar: "Health and Nutrition"
3. Dr Sanjay Patil: "Value education and Disaster management"
4. Mr Satish Ambike: "Placement Activities"
5. Dr Deepak Shendkar: "Gymkhana and library guidelines"
6. Mr Jadhav: "Anti-Ragging and Cybercrime"
7. Dr Smriti Mittal: "Career Opportunities in Biotechnology"
8. Dr Ravindra Shirsagar: "Credit system & Evaluation Pattern of examination".
9. Dr Sangeeta Dhamdhare: Library resources
10. Mr. Kashinath Kadam: "Scholarships"

##### 2. Bridge course: Three days

Date: 13.7.19 & 15th 16th 2019.

Duration: From- 11.00am To 1.00pm

Topics: "Bridging the gap from Basic to Applied"

## Names of Resource persons:

1. **Dr. Rekha Gupta:** Definition-Introduction and types of Biotechnology
2. **Dr. Pooja Rana:** Introduction to Biochemistry and basic principles Biochemical Reactions
3. **Dr. Priyanka Sharma:** Concept of bio analytical tools Introduction and types of bio-analytical tools
4. **Ms Vaishali Randive:** Introduction to Microbial world Importance of microorganisms: Biotechnology view point.
5. **Ms. Snehal Gagare:** Application and Scope of Biotechnology

## III. Guest Lectures:

1. **Dr. Abhijeet Kulkarni:** Associate Professor, Department of Bioinformatics, SPPU. "Recent Trends in DNA Sequencing Technology". Date - 31.8.19
2. **Dr. Prasad Bhagat:** CTO, Welnnovate Biosolutions Pvt. Ltd, NCL Innovation Park, Pune. "Biotechnology and Development of Entrepreneurship" Dates: 29.8.19.
3. **Dr. Rani Bhagat:** Assistant Professor, Baburaoji Gholap College, Pune. "Remote Sensing- Applications in Biodiversity" date - 1.1.20
4. **Mr. Satyaranjan Gupta,** Consultant (Business Strategy), Deloitte US-India. 'Career in Science and Beyond' date - 21.12.19.
5. **Dr. Anup Kulkarni,** Director, Ignitio Zealous Academy. "Global Opportunities in Biotechnology" Date-1.1.20

## IV. Extension Activity:

1. "Audio Visual & Interactive session" along with a Practical session for the class VI th standard students of Murkutu High School, Aundh, Pune.

Date- 20th Jan. 2020

Beneficiary: Two Science teachers of Murkute High School, Aundh, Pune

Fifty eight students of class VI Murkute High School, Aundh, Pune.

## V. Educational and Industrial Visits:

- 1) F.Y.B.Sc. Biotechnology - Someshwar Sugar factory, Morgaon, Baramati. Date - 11.1.20
- 2) S.Y.B.Sc Biotechnology - Field to study the ecosystem at Savitribai Phule Pune University, Pune. Date- 11/9/2019.
- 3) S.Y.B.Sc. Biotechnology-Someshwar Sugar factory, Morgaon, Baramati. Date - 10.2.20
- 4) T.Y.B.Sc Biotechnology - Field Visit for Biodiversity studies at Savitribai Phule Pune University, Pune Date- 11/9/2019.
- 5) T.Y.B.Sc Biotechnology - Educational Visit to Waste water treatment Plant Kasarwadi, PImpri, Pune-411018, Date- 9/10/2019
- 6) T.Y.B.Sc Biotechnology - Someshwar Sugar factory, Morgaon, Baramati. Date - 11.1.20

## VI. Parents Teachers Meeting:

- 1) 17th Aug 2019 at 11.00 - 1.00 pm (F.Y. B.Sc.)
- 2) 17th Aug 2019 at 01.30 - 3.00 pm (S. Y. B.Sc.)
- 3) 17th Aug 2019 at 01.30 - 3.00 pm (T. Y. B.Sc.)

## VII. Extracurricular academic student centric Activities:

**1. Audio Visual Session:** Screening of scientific movie - "The Martian" on 4th of August 2019. This kind of session was organized to inculcate analytical thinking ability, alertness and promptness and comprehension skills.

**2. Know thy world:** A scientific discussion platform entitled "KNOW THY WORLD" was conducted to enhance thinking and analytical capabilities in students.

Topic: "Nanotechnology: A boon or bane" Date - 14.12.19

**3. Student's Wall Magazine:** Wall magazine entitled "Microorganism of the Day" for F.Y. B.Sc. Students

**4 Science Exhibitions (Anubhuti):** 5th Feb 2020

**5. Research Projects for B.Sc. Biotechnology students under DBT star scheme**

**Intercollege research project-**

### Three research projects in collaboration with Modern college of agricultural biotechnology

**I. Maheshwari** - Phytochemical analysis and standardization of protocol for establishment of callus culture of Portulca plant - under Dr. Rekha Gupta

**ii. Priyanka** - Phytochemical and antioxidant properties of Aegil marmelops. - under Dr. Rekha Gupta

**iii. Smita Borse** - Screening of PGPR for ACC deaminase activity and evaluation of its effect on growth of chilli plant. Under Mrs. Vaishali Randive

#### Reserch Project of T.Y. B.Sc. -

- a) Rutuja Pendhanekar, Garima Soni, Gayatri Somase and Joshi Aparna-“Effectiveness of Moringa oleifera extract as a natural coagulant for water purification and further characteri-zation of the coagulant protein from the seeds” under the guidance of Dr Pooja Rana
- b) Prajakta Reur, Yogita Sabale, Omkar Zanje, Rishi Rajgire. “Utilization of Water Hyacinth for production of bio-energy and biomaterial” under the guidance of Dr. Priyanka Sharma
- c) Omkar More, Shradhha, Manisha Kumari. “Screening of stress tolerant bacteria from rhizosphere of trees” under the guidance of Mrs. Vaishali Randive.
- d) Ruta Rokade, Kuhu Rai, Siddesh Khandelawal. Isoaltion of bioactive Phytoconstituents from Indian Spices using various analytical techniques under the guidance of Mrs. Snehal Gagare SYBsc.-
- e) Sourabh Thakar, Ninad Torne, Anjali Shinde, Sahithya S Antimicrobial applications of bioinspired nanoparticles from fruit peel waste under the guidance of Mrs. Snehal Gagare

#### 6. Extra practical's taken for students of F.Y., S.Y. and T.Y. B.Sc. Biotechnology under DBT star scheme

1. Extraction of Pigment molecules from a mixture of a spinach leave by application of column chromatography to T.Y B.Sc. by Dr. Priyanka Sharma.
2. Study of UV and H2O2 induced damage of Lambda DNA using electrophoresis to T.Y B.Sc. by Mrs Snehal Gagare and Archana Khatode
3. DNA damage repair using phytochemicals extracted from various plant sources to T.Y B.Sc. by Snehal Gagare.
4. Chick embryo dissection and primary culture to TYBSc by Mrs Snehal Gagare and Dr Nivedita Das.

#### Staff achievements:

##### Dr. Rekha Gupta:

- I. Honorary Member of the Hon'ble Editorial Board of the IJBST Journal Group.
- I. Worked as Expert for selection panel for assistant professor at RJSPM, Bhosari, Pune (Date 17.9.19)
- iv. Member of BOS Biotechnology SPPU
- v. Member of revised B.Sc. & M.Sc. Biotechnology syllabus panel Pune University..
- iii. Completed course LMS
- iv. Completed FDP on Teaching and planning organized by PES Modern BEd College on 11-13th of July, 2019.
- v. Actively participated in Science Popularization Program Science Fair-2019, sponsored by DBT, Govt of India on Aug 30th, 2019.
- Vi Attended Webanar on Programme and Course outcome based learning on April 4th, 2020

##### Pooja Rana

- I. Completed online course in Genetic Engineering: Theory & Application AICTE-NPTEL Faculty Development programme with score of 77%.
- ii. Completed online course under Swayam in

Immunology(four dredit course) under Swayam with a consolidated score of 70% from the evaluation based on continuous online assessments and the proctored examination held in month of November 2019.

- iii. Completed Course in LMS
- v. Completed FDP on Teaching and planning organized by PES Modern BEd College on 11-13th of July, 2019.
- Vi Actively participated and worked as committee member in one Day National seminar on Innovative and Best Practices in Higher Education organized by Modern College, Ganeshkhind in Collaboration with NAAC, Bangalore on 26 July 2019.
- vii Actively participated in Science Popularization Program Science Fair-2019, sponsored by DBT, Govt of India on Aug 30, 2019.
- Vii Organized one day workshop on “Advanced Techniques in Chromatography” under board of Students' Development programme of SPPU for undergraduate students on 27th January 2020
- X Organized and Participated in “International Conference on Biotechnology: Perspective & challenges” (Under Quality improvement program of SPPU), Date: 14-15th Feb 2020.
- xi Attended Webanar on Programme and Course outcome based learning on April 4th, 2020.

### Dr. Nivedita Das

- 1. External expert for M.Sc biotechnology theory exam at Fergusson College, Pune
- 2. Attended LMS Training at Vinsys IT Services(I) Pvt Ltd. Kothrud, Maharashtra on 6th July 2019.
- 3. Completed FDP on Teaching and planning organized by PES Modern BEd College on 11-13th of July, 2019
- 4. Actively participated in Science Popularization Program Science Fair-2019, sponsored by DBT, Govt of India on Aug 30th, 2019.

- 5. Actively participated in Anubhuti – “Regional Science Project and Poster Competition held on 5th February 2020
- 6. Participated in “International Conference on Biotechnology: Perspective & challenges” (Under Quality improvement program of SPPU), Date: 14-15th Feb 2020.
- 7. Involved in Syllabus designing of F.Y and S.Y.B.Sc ( Biotechnology) CBCS 2019 pattern at Savitribai Phule Pune University, Pune .
- 8. Actively participated and worked as committee member in one Day National seminar on Innovative and Best Practices in Higher Education organized by Modern College, Ganeshkhind in Collaboration with NAAC, Bangalore on 26 July 2019.

### Dr. Priyanka Sharma:

#### a) Reviewer for Research Paper:

- 1. Ecotoxicology and Environmental Safety - Journal - Elsevier

#### b) Successfully Completed 9 Workshops / Seminars

#### c) Workshops/Conferences Organized

- 1. Organized one day workshop on “Advanced Techniques in Chromatography” **under board of Students'** Development programme of SPPU for undergraduate students on 27th January 2020.
- 2. Organised two days **International Conference on “Biotechnology: Perspective & Challenges”** under SPPU Quality Improvement Program on 14th -15th February, 2020

#### d) Total 4 Faculty Development Courses are completed and 3 E-Content developed:

#### a) Publications Chapters are written in 4 Books with ISBN.

### Mrs. Vaishali Randive

- 1. Involved in Syllabus designing of F.Y and S.Y.B.Sc ( Biotechnology) CBCS 2019 pattern at Savitribai Phule Pune University, Pune
- 2. Authored a **Textbook of Microbiology** for F.Y.

- B.Sc(Biotechnology) CBCS 2019 pattern.  
Published by Nirali Publication Pune
- Completed FDP on Teaching and planning organized by PES Modern BEd College on 11-13<sup>th</sup> of July,2019
  - Worked as resource person in department extension activity at Murkute High school, Aundh, Pune on **Microorganisms: Friend or Foe**
  - Member of organisation committee for two days **International Conference on “Biotechnology: Perspective & Challenges”** under SPPU Quality Improvement Program on 14<sup>th</sup> - 15<sup>th</sup> February, 2020.
  - Actively Participated and worked as committee member in one Day National seminar on Innovative and Best Practices in Higher Education organized by Modern College, Ganeshkhind in Collaboration with NAAC, Bangalore on 26 July 2019.

#### Ms. Snehal Gagare

- Developed E- content on Primary cell culture establishment using chick embryo  
The link for the econtent :[www.youtube.com/channel/UCL0WRuRZTwG-qgFPraCE6Ng](http://www.youtube.com/channel/UCL0WRuRZTwG-qgFPraCE6Ng).
- Attended LMS Training at Vinsys IT Services(I) Pvt Ltd. Kothrud, Maharashtra on 6<sup>th</sup> July 2019.
- Completed FDP on Teaching and planning organized by PES Modern BEd College on 11-13<sup>th</sup> of July,2019.
- Actively Participated and worked as committee member in one Day National seminar on Innovative and Best Practices in Higher Education organized by Modern College, Ganeshkhind in Collaboration with NAAC, Bangalore on 26 July 2019.
- Actively participated in Science Popularization Program Science Fair-2019, sponsored by DBT, Govt of India on Aug 30,2019.
- Actively participated in Anubhuti – “Regional Science Project and Poster Competition held

on 5<sup>th</sup> February 2020.

- Organising Committee member of two days **International Conference on “Biotechnology: Perspective & Challenges”** under SPPU Quality Improvement Program on 14<sup>th</sup> - 15<sup>th</sup> February, 2020.

#### All STAFF MEMBERS

#### STUDENTS ACHIEVEMENTS:

##### I. Academic achievements

##### F.Y. B.Sc. Biotechnology

- Shreyas Joshi - participated in Science Quiz organized by Department of Science & Technology & MyGov
- Shreyas Joshi - participated in Decipher North East Quiz organized by North Eastern Council & MyGov
- Shreyas Joshi - participated in DBT Power Point Presentation Competition on theme Applications of Mathematics in Biology on Dec 28, 2019
- Shreyas Joshi - participated in CHEMIAD competition organized by Department of Chemistry, SPPU
- Shreyas Joshi participated and awarded second prize in “VIVIDHA” Exhibition cum sale organized by Modern College, Ganeshkhind from 16<sup>th</sup> Jan to 18 Jan<sup>th</sup>, 2020
- Shreyas Joshi participated in One day ASM workshop on Molecular Detection and Cultivation of Mycoplasmas held on Dec 2, 2019 at NCCS, Pune, India
- Shreyas Joshi completed in short term medical course dated from 6 May, 2019 to 29 June, 2019 under guidance of Dr Sushmita Dutta
- Shreyas Joshi participated in two day two day international conference on Human, Animal and Plant Mycoplasmas held on Dec 3-4, 2019 at NCCS, Pune.
- Shreyas Joshi participated in Intercollegiate competition “Kaun Banega History Scholar” held on 17 Jan, 2020.

## S.Y.B.Sc Biotechnology

### 1. Kantesaria Riddhi Vasantrai

- Attended International Conference on Biotechnology: Perspective and Challenges organised by Biotech Dept. Modern College, Ganeshkhind -16, Pune.
- Actively participated in Science Popularization Program Science Fair-2019, sponsored by DBT, Govt of India on Aug 30, 2019
- Presented a project in Anubhuti – “Regional Science Project and Poster Completion Poster competition held on 5<sup>th</sup> February 2020
- In Yuva Sapta : Mastermind Psychology Quiz and awarded 3rd prize
- Participated in Science Popularization Program Science Fair-2019 organized by Prof. Ramkrishna More College in Model and poster competition

### 2. Kale Rutuja Suhas: S.Y.B.Sc

- Participated and presented a poster in Science Popularization Program Science Fair 2019, sponsored by DBT, Govt of India on Aug 30, 2019 in poster competition.
- Attended International Conference on Biotechnology: Perspective and Challenges organised by Biotech Dept. Modern College, Ganeshkhind -16, Pune.
- Selected and attended a Workshop on “**Novel synthesis and bio fictionalisation of nanoparticles for anticancer activity**” organised by Botany Dept. Modern College, Ganeshkhind -16 in collaboration with Wetlab Championship and Shaastr (IIT Madras Event held on 13-14<sup>th</sup> December 2019.
- In Yuva Sapta: Intercollegiate competition- Kaun Banega? History scholar.
- Mastermind Psychology Quiz and won second prize.
- Presented a project in Anubhuti – “Regional Science Project and Poster Completion Poster competition held on 5<sup>th</sup> February 2020.
- Poster competition on Science and Technology

for Sustainable Development. Attended in Prof. Ramkrishna More Arts, Commerce and Science college, Akurdi, Pune-44

- Passed In 18th State Level Microbiology Contest

### 3. Richa Prasad Deshpande: S.Y.B.Sc

- Participated and presented a poster in Science Popularization Program Science Fair 2019, sponsored by DBT, Govt of India on Aug 30, 2019 in poster competition.
- Poster competition on Science and Technology for Sustainable Development. Attended in Prof. Ramkrishna More Arts, Commerce and Science college, Akurdi, Pune-44
- Selected and attended a Workshop on “**Novel synthesis and bio fictionalisation of nanoparticles for anticancer activity**” organised by Botany Dept. Modern College, Ganeshkhind -16 in collaboration with Wetlab Championship and Shaastr (IIT Madras Event held on 13-14<sup>th</sup> December 2019.
- Attended International Conference on Biotechnology: Perspective and Challenges organised by Biotech Dept. Modern College, Ganeshkhind -16, Pune.
- Presented a project in Anubhuti – “Regional Science Project and Poster Completion Poster competition held on 5<sup>th</sup> February 2020

### 4. Apeksha Rabindra Pathak : S.Y.B.Sc

- First rank in academics (FYBSc Biotechnology)**
- Presented a project in Anubhuti – “Regional Science Project and Poster Completion Poster competition held on 5<sup>th</sup> February 2020.
- In Vividha: Inter collegiate competition of history Kaun Banega? History Scholar!!! At Modern college of Arts, Science and Sommerce, Ganeshkhind, Pune-16.
- Selected and attended a Workshop on “**Novel synthesis and bio fictionalisation of nanoparticles for anticancer activity**” organised by Botany Dept. Modern College,

Ganeshkhind -16 in collaboration with Wetlab Championship and Shaastr (IIT Madras Event held on 13-14<sup>th</sup> December 2019.

- e. Mastermind Psychology Quiz at College - Modern College of Arts, Science and Commerce, Ganeshkhind, Pune and **won 2nd prize**

#### 5. Sahithya S: S.Y.B.Sc

- a. Selected and attended a Workshop on “**Novel synthesis and bio fictionalisation of nanoparticles for anticancer activity**” organised by Botany Dept. Modern College, Ganeshkhind -16 in collaboration with Wetlab Championship and Shaastr (IIT Madras Event held on 13-14<sup>th</sup> December 2019
- b. Presented a project in Anubhuti – “Regional Science Project and Poster Completion held on 5<sup>th</sup> February 2020

#### 6. Ninad R. Torne: S.Y.B.Sc

- a. Participated and presented a poster in Science Popularization Program Science Fair 2019, sponsored by DBT, Govt of India on Aug 30, 2019 in poster competition
- b. Selected and attended a Workshop on “**Novel synthesis and bio fictionalisation of nanoparticles for anticancer activity**” organised by Botany Dept. Modern College, Ganeshkhind -16 in collaboration with Wetlab Championship and Shaastr (IIT Madras Event held on 13-14<sup>th</sup> December 2019
- c. Presented a project in Anubhuti – “Regional Science Project and Poster Completion at department held on 5<sup>th</sup> February 2020 and won 2<sup>nd</sup> Prize.
- d. Attended and **presented a Poster** in International Conference on Biotechnology: Perspective and Challenges organised by Biotech Dept. Modern College, Ganeshkhind - 16, Pune.

#### 7. Trusha NDhande: S.Y.B.Sc

- a. Participated and presented a poster in Science Popularization Program Science Fair 2019, sponsored by DBT, Govt of India on Aug 30,

2019 in poster competition

- b. c. Presented a project in Anubhuti – “Regional Science Project and Poster Completion at department Under DBT-CTEP scheme ,GOI ,Delhi held on 5<sup>th</sup> February 2020 and won 2<sup>nd</sup> Prize.
- c. National Voting Day Program Rangoli Competition
- d. Passed In 18th State Level Microbiology Contest

#### 8. Akash Balu Wagh S.Y.B.Sc

- a. Participated and presented a poster in Science Popularization Program Science Fair 2019, sponsored by DBT, Govt of India on Aug 30, 2019 in poster competition
- b. Presented a project in Anubhuti – “Regional Science Project and Poster Completion at department Under DBT-CTEP scheme ,GOI ,Delhi held on 5<sup>th</sup> February 2020 and won 2<sup>nd</sup> Prize.
- d. Attended and **presented a Poster** in International Conference on Biotechnology: Perspective and Challenges organised by Biotech Dept. Modern College, Ganeshkhind - 16, Pune.
- e. Passed In 18th State Level Microbiology Contest
- e. **Worked as volunteer** in Vividha, Exhibition-cum-Sale

#### 9. Ankita Punde: S.Y.B.Sc

- a. Participated and presented a poster in Science Popularization Program Science Fair 2019, sponsored by DBT, Govt of India on Aug 30, 2019 in poster competition.
- b. Poster competition on Science and Technology for Sustainable Development. Attended in Prof. Ramkrishna More Arts, Commerce and Science college, Akurdi, Pune-44
- c. Attended International Conference on Biotechnology: Perspective and Challenges organised by Biotech Dept. Modern College,

Ganeshkhind -16, Pune.

- d. Presented a project in Anubhuti – “Regional Science Project and Poster Completion Poster competition held on 5<sup>th</sup> February 2020.
- e. Passed In 18th State Level Microbiology Contest

### 10. Gargee Anand Bhavsar: S.Y.B.Sc

- a. Selected and attended a Workshop on “**Novel synthesis and bio fictionalisation of nanoparticles for anticancer activity**” organised by Botany Dept. Modern College, Ganeshkhind -16 in collaboration with Wetlab Championship and Shaastr (IIT Madras Event held on 13-14<sup>th</sup> December 2019
- b. Passed 18th state level microbiological contest, 9<sup>th</sup> Jan, 2019

11. **Tejaswini A Khiratkar** S.Y.B.Sc had participated in FOOD STALL in vividha 2020

12. **Prachi Paditkar** S.Y.B.Sc. for ppt presentation on 'Application of Mathematics in Biology'

- c. Third rank in Annual Sports Compition in Vollyball

### 13. Himani Vijay Satelkar: S.Y.B.Sc

- a. She had participated in FOOD STALL in vividha 2020.
- b. Participated for ppt presentation on 'Application of Mathematics in Biology'
- c. Had participated in Annual Sports Competition in Throwball (W) and secured Third place.
- d. Attended International Conference on Biotechnology: Perspective and Challenges organised by Biotech Dept. Modern College, Ganeshkhind -16, Pune.

### 14. Gayatri Anarthe: S.Y.B.Sc

- a. Passed 18th state level microbiological contest, 9<sup>th</sup> Jan, 2019
- b. Had participated in Annual Sports Compition in Vollyball (W) and secured Third rank

15. **Gayatri Kuwar** S.Y.B.Sc had participated in FOOD STALL in vividha 2020

### 16. Aishwarya Hiranwale S.Y.B.Sc

- a. Had participated in Annual Sports Compition in Throwball (W) and secured Third place
- b. In Handwriting competition (Marathi) got First prize.

### 17. Kranti Nawale

- a. She had participated in Intercollegiate - Chandrashekar agase college of physical education and in Obstacles race secured 2 position in Special achievement category
- b. Obstacles race Individual won First prize
- c. Obstacles in mix ( Group) won first prize
- d. In Marathon (Yuva Daud) for 10km won 4th position and also got Cash prize of Rs. 7000/-

18. **Anushka Sanjaykumar Gore** had participated in Annual Sports Competition in Throwball (W) and secured Third place.

19. **Bhakti Sanjay Ghumatkar** had participated in Annual Sports Competition in Throwball (W) and secured Third place.

### 20. Gitanjali Narayan kulkarni

- a. Had participated in Annual Sports Compition in Volleyball (W) and secured Third place.
- b. Participated in FOOD STALL in vividha 2020.
- c. State level microbiological contest
- d. Participated in Anubhuti – “Regional Science Project and Poster Completion Poster competition held on 5<sup>th</sup> February 2020

21. **Srushti Umesh Arvikar** participated in FOOD STALL in vividha 2020.

22. **Pratiksha Dange** had participated in Annual Sports Competition in intercollegiate Obstacle Race and won 2<sup>nd</sup> rank and Throwball (W) and secured Third place.

### T.Y.B.Sc ( Biotechnology)

#### 1. Omkar Zanje

- a) 1<sup>st</sup> prize in poster category in Anubhuti – “Regional Science Project and Poster Completion Poster competition held on 5<sup>th</sup>

February 2020 and awarded

- b) Participated and presented a poster in Science Popularization Program Science Fair 2019, sponsored by DBT, Govt of India on Aug 30, 2019 in poster competition.

## 2. Rutuja Pendharka (T.Y.B.Sc. Biotech)

- a. Participated and presented a poster in Science Popularization Program Science Fair 2019, sponsored by DBT, Govt of India on Aug 30, 2019 in poster competition.
- b. 1<sup>st</sup> prize in poster competition on Science and Technology for Sustainable Development in Prof. Ramkrishna More Arts, Commerce and Science college, Akurdi, Pune-44
- c. Attended International Conference on Biotechnology: Perspective and Challenges organised by Biotech Dept. Modern College, Ganeshkhind -16, Pune.
- d. Participated in workshop on “Molecular Biology for Young Scientist” at IISER, Pune on 1<sup>st</sup> – 3<sup>rd</sup> Nov 2019
- e. Attended one day workshop on “Advanced Techniques in Chromatography” **under board of Students'** Development programme of SPPU for undergraduate students on 27<sup>th</sup> January 2020. .
- f. Selected for Workshop on “**Novel synthesis and bio fictionalisation of nanoparticles for anticancer activity**” organised by Botany Dept. Modern College, Ganeshkhind -16 in collaboration with Wetlab Championship and Shastr (IIT Madras Event held on 13-14<sup>th</sup> December 2019
- g. Participated in Hands on workshop on “Concepts in Development Biology” on 27<sup>th</sup> – 31<sup>st</sup> May at MAC's Agharkar Research Institute, Pune.

## 3. Akshay Gore (F.Y.B.Sc. Biotech)

- a. Attended International Conference on Biotechnology: Perspective and Challenges organised by Biotech Dept. Modern College, Ganeshkhind -16, Pune.

## 4. Manisha Kumari (T.Y.B.Sc. Biotech)

- a. Attended International Conference on Biotechnology: Perspective and Challenges organised by biotech Dept. Modern College, Ganeshkhind -16, Pune.
- b. Presented a poster in Anubhuti – “Regional Science Project and Poster Completion Poster competition held on 5<sup>th</sup> February 2020.
- c. Attended one day workshop on “Advanced Techniques in Chromatography” **under board of students'** Development programme of SPPU for undergraduate students on 27<sup>th</sup> January 2020.

## 5. Prajakta Reur (T.Y.B.Sc. Biotech)

- a. Presented a project in **Anubhuti – “Regional Science Project and Poster Completion Poster competition** held on 5<sup>th</sup> February 2020.
- b. Participated and presented a poster in **Science Popularization Program Science Fair 2019**, sponsored by DBT, Govt of India on Aug 30, 2019 in poster competition.
- c. Attended International Conference on Biotechnology: Perspective and Challenges organised by Biotech Dept. Modern College, Ganeshkhind -16, Pune.

## 6. Rishav Mukharjee (T.Y.B.Sc. Biotech)

- a. Presented a project in **Anubhuti – “Regional Science Project and Poster Completion Poster competition** held on 5<sup>th</sup> February 2020 and awarded 2<sup>nd</sup> prize in poster category.
- b. Participated and presented a poster in “**Science Popularization Program Science Fair 2019**”, sponsored by DBT, Govt of India on Aug 30, 2019 in poster competition.
- c. Worked as volunteer in one day national seminar on “**Innovative and Best Practices in Higher Education**” organised by Biotech Dept. Modern College, Ganeshkhind -16, Pune in Collaboration with NAAC, Bangalore on 26<sup>th</sup> July 2019.

### 7. Gayatri Somase (T.Y.B.Sc. Biotech)

- a. Successfully completed the “ **Constitution Quiz**” conducted by Department of Justice, Government of India.
- b. Successfully completed online quiz “**Know Your Force**” conducted by Ministry of Defence, Government of India. On 26<sup>th</sup> Jan 2020
- c. Awarded 1<sup>st</sup> rank in English poetry reading competition conducted at Modern College, Ganeshkhind -16

### 8. Aparna Joshi (T.Y.B.Sc. Biotech)

- a. Participated and presented a poster in “**Science Popularization Program Science Fair 2019**”, sponsored by DBT, Govt of India on Aug 30, 2019 in poster competition.
- b. 1<sup>st</sup> prize in poster competition on “**Science and Technology for Sustainable Development**” in Prof. Ramkrishna More Arts, Commerce and Science college, Akurdi, Pune-44
- c. Attended and presented a poster in International Conference on “**Biotechnology: Perspective and Challenges**” organised by Biotech Dept. Modern College, Ganeshkhind - 16, Pune.
- d. Selected and attended a Workshop on “**Novel synthesis and bio fictionalisation of nanoparticles for anticancer activity**” organised by Botany Dept. Modern College, Ganeshkhind -16 in collaboration with Wetlab Championship and Shaastr (IIT Madras Event held on 13-14<sup>th</sup> December 2019
- e. Participated in Hands on workshop on “**Concepts in Development Biology**” on 27<sup>th</sup> – 31<sup>st</sup> May at MAC's Agharkar Research Institute, Pune.

### 9. Garima Soni (T.Y.B.Sc. Biotech)

- a. presented a poster in “Science Popularization Program Science Fair 2019”, sponsored by DBT, Govt of India on Aug 30, 2019 in poster competition.
- b. 1<sup>st</sup> prize in poster competition on “Science and Technology for Sustainable Development” in

Prof. Ramkrishna More Arts, Comm a] & Sci college, Akurdi, Pune-44

- c. presented a poster in International Conference on “Biotechnology: Perspective and Challenges” organised by Biotech Dept. Modern College, Ganeshkhind -16, Pune.
- d. Selected and attended a Workshop on “Novel synthesis and bio fictionalisation of nanoparticles for anticancer activity” organised by Botany Dept. Modern College, Ganeshkhind -16 in collaboration with Wetlab Championship and Shaastr (IIT Madras Event held on 13-14<sup>th</sup> December 2019

### 10. Rishi Rajgire

11. 1<sup>st</sup> prize in poster category in Anubhuti – “Regional Science Project and Poster Completion Poster competition held on 5<sup>th</sup> February 2020

### 12. Komal Khedkar

- a. Presented a poster in Anubhuti – “**Regional Science Project and Poster Completion Poster competition** held on 5<sup>th</sup> February 2020

### 13. Shivanjali Kadam

- a. Presented a poster in Anubhuti – “**Regional Science Project and Poster Completion Poster competition** held on 5<sup>th</sup> February 2020

### 14. Shreya Navgire

- a. Presented a poster in Anubhuti – “**Regional Science Project and Poster Completion Poster competition** held on 5<sup>th</sup> February 2020

### 15. Omkar More (T.Y.B.Sc. Biotech)

- a. Attended International Conference on Biotechnology: Perspective and Challenges organised by biotech Dept. Modern College, Ganeshkhind -16, Pune.
- b. Presented a poster in Anubhuti – “Regional Science Project and Poster Completion Poster competition held on 5<sup>th</sup> February 2020.

c. Worked as volunteer in one day national seminar on “ **Innovative and Best Practices in Higher Education**” organised by Biotech Dept. Modern College, Ganeshkhind -16, Pune in Collaboration with NAAC, Bangalore on 26<sup>th</sup> July 2019.

**16. Ajish Antony** (T.Y.B.Sc. Biotech) attended and presented poster in International conference on “ Making Psychology Deliverable to Society” on 20<sup>th</sup> – 22<sup>nd</sup> Dec 2019.

#### Extracurricular Achievements:

**1. Ninad R. Torne** (T.Y.B.Sc. Biotech): In Vividha: Inter collegiate competition of history Kaun Banega? History Scholar!!! At Modern college of Arts, Science and Sommerce, Ganeshkhind, Pune-16

**2. Ayushi Gupta** (F.Y.B.Sc. Biotech) participated in Treasure Hunt conducted by department of Computer Science.

**3. Ayushi Gupta** (F.Y.B.Sc. Biotech) won Second prize in Caption Contest-Yuva Saptah.

**4. Ayushi Gupta** (F.Y.B.Sc. Biotech) second prize in “VIVIDHA” Exhibition cum sale organized by Modern College, Ganeshkhind from 16<sup>th</sup> Jan to 18 Jan<sup>th</sup>, 2020

**5. Rashmi Pendre** (F.Y.B.Sc. Biotech) in Treasure Hunt conducted by department of Computer Science.

**6. Abhinav Verma** (F.Y.B.Sc. Biotech) participated in Intercollegiate competition “Kaun Banega History Scholar” held on 17 Jan, 2020.

**7. Abhinav Verma** (F.Y.B.Sc. Biotech) participated in Treasure Hunt conducted by department of Computer Science.

**8. Sumedh Gaikwad** (F.Y.B.Sc. Biotech) in CHEMIAD competition organized by Department of Chemistry, SPPU.

**9. Karan Patil** (F.Y.B.Sc. Biotech) in Food Stall in “VIVIDHA” Exhibition cum sale organized by Modern College, Ganeshkhind from 16<sup>th</sup> Jan to 18 Jan<sup>th</sup>, 2020

**10. Ankita Punde:** S.Y.B.Sc In Vividha Participated 1. Inter collegiate competition of history Kaun Banega? History Scholar!!! 2. Inter collegiate competition **poem recitation** 3. Street play competition 4. Mastermind Psychology Quiz

**11. Ankita Punde:** S.Y.B.Sc In Yuvha Saptah: 1. Won Third prize in poster competition 2. Third prize in Rangoli competition 3. First prize in flower arrangement

**12. Prachi Paditkar .** S.Y.B.Sc She had participated in FOOD STALL in vividha 2020.

#### Sports:

**1. Prachi Paditkar S.Y. B. Sc:-** Third rank in Annual Sports Competition in Volleyball

**2. Himani Vijay Satelkar S.Y. B. Sc -**Third place in Annual Sports Competition in Throwball **3. Anushka Sanjaykumar Gore S.Y. B. Sc** Third place in Annual Sports Competition Throwball

**4. Bhakti Sanjay Ghumatkar S.Y. B. Sc -**Third place in Annual Sports Competition in Throwball (W)

**5. Gitanjali Narayan kulkarni S.Y. B. Sc -**Third place in Annual Sports Competition in Volleyball (W)

**6. Aditi Navale S.Y. B. Sc -**3<sup>rd</sup> rank in Annual Sports Competition in intercollegiate Obstacle Race and won with a voucher of Rs. 100/-

**7. Pratiksha Dange- S.Y. B. Sc** 2<sup>nd</sup> rank in Annual Sports Competition in intercollegiate Obstacle Race and Third place in Throwball (W).

#### **8. Kranti Nawale S.Y. B. Sc**

a. 2nd position in Special achievement category - in Intercollegiate Chandrashekar agase college of physical education and in Obstacles race

b. First prize in Obstacles race Individual

c. first prize Obstacles race mix ( Group)

d. 4th position In Marathon (Yuva Daud) for

## स्थलांतर

10km and got Cash prize of 7000/

### NCC:

1. Kranti Nawale S.Y. B.Sc. student Rank CDT for 2 MAH Girls BN NCC Pune July 2019

### ARTS CIRCLE:

1. Girish Kulkarni S.Y. B.Sc students participated in Sanwwad improvisation Competition of Ark events and entertainment presents Sanwwad 2019 open improvising competition.

2. Girish Kulkarni S.Y. B.Sc students participated in Purushottam Karandak, Akshar Karandak and Loksatta Ekakkika Spardha (One Hour Act Play).
3. Girish Kulkarni S.Y. B.Sc students participated in Vedant Competition of Skits in BJ medical college

**Dr. Rekha Gupta**

Head, Biotechnology Department



Educational Activity

## DEPARTMENTAL REPORT 2019-20

## BIOTECHNOLOGY {PG}

### ACADEMIC ACTIVITIES:

#### GUEST LECTURES:

- Lecture for MSc students under UGC sanctioned Career Development Scheme (Placement activity) by Dr. Adrian Almeida on 19 Sep 2019.

#### EDUCATIONAL VISITS:

- Study visit of M.Sc I Biotechnology students to Animal house facility, Department of Zoology, S.P. Pune University, 25-11-2019.
- Study visit of M.Sc I Biotechnology students to Vasantdada Sugar Institute (VSI), 13-3-2020.

### EXTRACURRICULAR ACADEMIC STUDENT CENTRIC ACTIVITIES:

- Career guidance for M.Sc Biotechnology students by Biotechnika Experts Team on 3 Oct 2019.
- Participation of M.Sc Biotechnology student in "Project Manav"-A human atlas initiative launched by the Department of Biotechnology (DBT) and Persistent Systems on 11-15 Jan 2020.

### STAFF ACHIEVEMENTS:

**Dr. Vinay Kumar**

#### Academic and administrative responsibilities / achievements

1. Appointed as a Judge, The Global Undergraduate Awards, Dublin, Ireland
2. Appointed as a Member, Expert Committee for

screening proposals submitted under DBT Star College Scheme.

3. Nominated as a Member, Board of Studies in Medical Biotechnology, Mahatma Gandhi Mission Institute of Health Sciences (Deemed University), Mumbai
4. Nominated as a Mentor, DBT Star College Scheme, Nirmala College for Women, Coimbatore
5. Appointed as Editor, The Natural Products Journal, Bentham Science, USA
6. Coordinator for DST-FIST Cycle 2 proposal preparation, presentation at BHU, Varanasi and the program got sanctioned
7. Reviewer for Book Proposal submitted to Springer-Nature, USA

#### **Involvement in organization of the events in the college**

1. Coordinator, Department of Biotechnology (DBT), Government of India Sponsored 'One-day Science Fair' organized at Modern College, Ganeshkhind, Pune, on 30th August 2019.

#### **Ongoing Research projects:**

1. Principal Investigator, SERB-DST, Government of India funded research project entitled "Identification of novel and conserved sodium-responsive miRNAs and their target genes modulating salinity stress during reproductive phase in rice cultivars", sanctioned amount Rs. 28 Lakhs
2. Principal Investigator, DAE-BRNS, Government of India funded research project entitled "Identification and functional characterization of salt responsive conserved and novel miRNAs in soybean", Sanctioned amount Rs 35 Lakhs

#### **Research Guidance:**

1. PhD Awarded – Dr. Samrin Shaikh awarded PhD (Biotechnology) of Savitribai Phule Pune University, Pune under my guidance

#### **Books 2 are Published with ISBN**

#### **Research / Review Articles published 10**

#### **Invited Chapters published in Reference Books are six.**

#### **worked Reviewer for the following journals 14 high standard 14**

#### **Dr. Geetanjali Litake**

- Attended Regional orientation session on IIC 2.0 and ARIIA 2020 organized by MHRD's Innovation cell held at Army Institute of Technology, Pune, Maharashtra on 26th July 2019.
- Internal judge for poster competition 'Anubhuti' (for Life science category) organized on 5th Feb 2020
- Member of an organizing committee for an 'International Conference of Biotechnology: Perspectives and Challenges' organized by Department of Biotechnology, Modern College, Ganeshkhind, Pune on 14-15 Feb. 2020.

#### **Dr. Amrita Srivastav**

- Member of NGO "HamaraSahyog" providing help to girl students of MSc. Also a member of College social work committee.

#### **Publications**

- Oak U, Srivastav A\*, Kumar V (2019) Perspectives of Plant Growth-Promoting Rhizobacteria in Conferring Salinity Tolerance in Crops. In: Microbial Interventions in Agriculture and Environment. Springer Singapore, pp 299-313
- Yang B, Tang J, Yu Z, Khare T, Srivastav A\*, Datar S, Kumar V. 2019. Light stress responses and prospects for engineering light stress tolerance in crop plants. Journal of Plant Growth Regulation 38:1489-1506. doi: 10.1007/s00344-019-09951-8 (Springer). Impact Factor: 2.18

#### **Member of organizing committee**

- Anubhuti- Intercollegiate Science exhibition and poster and model competition, 5-2-2020
- International conference of Biotech department- 14-15 Feb 2020

- Coordinating member at Vividha 2020, college fest.
- NIRF 2019-20
- Conference on IPR
- Active participation in organization in National Seminar on Innovative and Best Practices in Higher Education on 26th July 2019.
- Active organizer at Department of Biotechnology (DBT), Government of India Sponsored 'One-day Science Fair' organized at Modern College, Ganeshkhind, Pune, on 30th August 2019

## Certificates and Awards

- Achieved Certificate for completing course on "Corona virus what you need to know" through ALISON.
- Achieved certificate from WHO on completing a course on " Infection Prevention and Control (IPC) for Novel Coronavirus (COVID-19)".
- Achieved Certificate for completing course on "Climate Change and Sustainability" through ALISON.
- Completed a course on R Basics in Data Science and Statistics program.

## Dr. Uttara Oak

- Member of PIG for DST –FIST 2019 scheme
- Member of the committee for upcoming scheme of DBT-BUILDER

## Publications

### STUDENTS ACHIEVEMENTS:

#### 1. Placement Record: List of students placed

Sr. No	Name of Student	Company
1	Swatee Deshmukh	Hi Tech BioSciences India Ltd, Pune
2	Pratiksha Chaudhari	Hi Tech BioSciences India Ltd, Pune
3	Saurabh Jadhav	Serum Institute of India Pvt. Ltd, Pune
4	Hetvi Thakkar	Gebbs Healthcare Solutions Pvt Ltd, Mumbai
5	Shreya Medhi	Wockhardt Ltd, Aurangabad

- Khare T, Oak U, Shriram V, et al (2019) Biologically synthesized nanomaterials and their antimicrobial potentials. In: Comprehensive Analytical Chemistry. Elsevier B.V., pp 263–289
- Oak U, Srivastav A, Kumar V (2019) Perspectives of Plant Growth-Promoting Rhizobacteria in Conferring Salinity Tolerance in Crops. In: Microbial Interventions in Agriculture and Environment. Springer Singapore, pp 299–313

## Member of organizing committee

- Seminar on higher education – July 2019
- DBT sponsored Science Fair – 31/08/2019
- Anubhuti- Intercollegiate Science exhibition and poster and model competition, 5-2-2020
- International Conference of Biotech department- 14-15 Feb 2020
- Swarmadhuri 2019-2020
- NIRF 2019-20
- Conference on IPR

## Dr. Mruthyunjaya. S

## Member of organizing committee

- DBT sponsored Science Fair held on 31 Aug 2019
- Anubhuti- Intercollegiate Science exhibition and poster and model competition, 5 Feb 2020
- International Conference of Biotech department- 14-15 Feb 2020

6	Snehal Patil	Wockhardt Ltd, Aurangabad
7	Bhagwat Andhale	Wockhardt Ltd, Aurangabad
8	Shrushti Joshi	Project JRF at Modern College of Arts, Science & Commerce, Ganeshkhind, Pune
9	Suraj Patil	Project JRF at National Chemical Laboratory, Pune

## 2. Research Internship data:

Sr. No.	Name of the Student	Class	Duration of Internship	Institute	Title
1	Ms. Darshani Ghode	MSc II	16-5-19 to 15-6-19	MGM school of Biomedical Science, Navi Mumbai.	Biotechnology techniques (Molecular biology, hydroponics and developmental studies of Zebra fish as a model organism)
2	Ms. Kawaljeet Kaur	MSc II	16-5-19 to 15-6-19	MGM school of Biomedical Science, Navi Mumbai.	Biotechnology techniques (Molecular biology, hydroponics and developmental studies of Zebra fish as a model organism)
3	Ms. Poonam Lavate	MSc II	16-5-19 to 15-6-19	MGM school of Biomedical Science, Navi Mumbai.	Biotechnology techniques (Molecular biology, hydroponics and developmental studies of Zebra fish as a model organism)
4	Ms. Apoorve Bhujbal	MSc II	20-5-19 to 21-6-19	Vasantdada Sugar Institute, Pune	Virus Indexing
5	Ms. Vaishnavi Bhilare	MSc II	20-5-19 to 21-6-19	Vasantdada Sugar Institute, Pune	Virus Indexing
6	Ms. Vijayalaxmi Reddy	MSc II	20-5-19 to 21-6-19	Vasantdada Sugar Institute, Pune	Virus Indexing
7	Ms. Namrata Kalamkar	MSc II	20-5-19 to 30-6-19	BAIF, Urulikanchan, Pune	Basic molecular techniques – DNA extraction, quantification, PCR, 16S rRNA PCR and agarose gel electrophoresis.
8	Ms. Julii Tupe	MSc II	20-5-19 to 30-6-19	BAIF, Urulikanchan, Pune	Effect of N <sub>2</sub> Fixing bacteria and methane oxidising bacteria on rice seed germination
9	Ms. Poorva Tikekar	MSc II	15-5-19 to 30-6-19	Omniactive Health Technologies Ltd.	Fingerprinting of herbal extract using HPTLC
10	Ms. Afreen Tamboli	MSc II	15-5-19 to 30-6-19	Omniactive Health Technologies Ltd.	Investigation of xanthophyll from Marigold and its formulation
11	Ms. Shashwati Mujumdar	MSc II	15-5-19 to 30-6-19	Jain Irrigation, Jalgaon	Quality assurance laboratory testing in Jain Farm Fresh Foods Ltd.
12	Ms. Mansi Dhawade	MSc II	15-5-19 to 16-6-19	Dept. of Environmental Science, SPPU	Phytoremediation
13	Ms. Vaishnavi Chauhan	MSc II	15-5-19 to 30-6-19	Dept. of Botany, SPPU	Isolation and characterization of endophytic fungi

14	Ms. YogitaKataria	MSc II	15-5-19 to 16-6-19	Dept. of Phytoremediation Environmental Science, SPPU	
15	Ms. Tejashree Shendge	MSc II	2-6-19 to 30-6-19	Dept. of Biotechnology, PES Modern College, Ganeshkhind, Pune	Study of physiological and biochemical changes in plants under stress
16	Ms. Pratiksha Shinde	MSc II	2-6-19 to 30-6-19	Dept. of Biotechnology, PES Modern College, Ganeshkhind, Pune	Study of physiological and biochemical changes in plants under stress
17	Mr. Prathamesh Kshirsagar	MSc II	10-5-19 to 25-5-19	Ventri Biologicals, Hinjewadi, Pune	Vaccine production
18	Ms. Shanti Choudhary	MSc II	15-5-19 to 28-6-19	Dept. of Instrumentation, SPPU	Synthesis of ZnO nanoparticles and their characterization using XRD and FE-SEM
19	Mr. Anish Rajendran	MSc II	15-5-19 to 28-6-19	Dept. of Synthesis of SPPU	Instrumentation, ZnSenanoparticles and their characterization using XRD and FE-SEM

3. Maneesh. P, Simran Narvekar, Kawaljeet Kaur and Anish Rajendran cleared GATE exam.
4. Shrushti Joshi cleared CSIR NET-LS and SET Exams.
5. Simran Narvekar and Shaswati Majumdar were awarded 2nd prize in Poster competition in Anubhuti Science exhibition and poster and model competition.
6. Simran Narvekar, Darshani Ghode and Pragati Bandgar participated in a workshop on "Protein Structure Prediction & Drug Discovery" organized by Nthyrs, Hyderabad and conducted at Fabgenics, Pune.

**Dr. Vinay Kumar**

PG, Co-ordinator Biotechnology Department



Career guidance in Biotechnology by Biotechnika experts team



Anubhuti- Intercollegiate Science exhibition and poster and model competition



Educational visit to Vasantdada Sugar Institute



DBT sponsored Science Fair, 31/08/2019

## DEPARTMENTAL REPORT 2019-20

## BOTANY

### GUEST LECTURES

- 1] Dr. Mandar Datar- Sci. C Agharkar Research Institute Pune- on "What Botany has given us...!" ( 18 July 2019 ) for F.Y.B.Sc. and T.Y.B.Sc. students. ( Under DBT star college scheme)
- 2] Dr. Sanjeev Nalavade, Retired Professor, Fergusson College, Pune on "Rivers in Pune City Past and Present" (11 September 2019).

### EDUCATIONAL VISITS

#### F.Y.B.Sc. and S.Y.B.Sc.

- Baramati sugar factory, Nisarg Agro- tourism ( Under DBT star college scheme)
- Visit to Bhamburda Van- Vibhag , Nakshatra Garden.
- Empress Garden.

#### T.Y. B.Sc.

- Bhimashankar
- Bhamburda van vibhag
- Institute of Horticulture, Aundh
- College of Agriculture, Bio-fertilizer & Bio-pesticide unit
- Visit to Vetal Hill, and Bhimashankar Wildlife Sanctuary.

### PARTICIPATION IN SCIENCE EXHIBITION

Science exhibition "Anubhuti 2020" - Twenty

students participated along with models, posters, and presentation on various topics like Air purifier plants, herbal remedies, combinatorial chemistry, Amazing water purifiers, wild edibles from Dapoli.

### DEPARTMENTAL ACTIVITIES

#### 1] Organization of Work-shops

i. The department had conducted two days workshop on topic "Novel synthesis and bio-functionalization of nano-particles (GNPs, AGNs) for anti-cancer activity on 13 th & 14th December 2019. Workshop was a part of National level competition for Bio-science students which was in association with Shaastra -Fest (IIT Event). Total 33 students participated including few students from three other colleges. Out put of the workshop was to make available Internship assistance by makeintern (New Dehli).

ii. Organized a workshop on "Bio-business" in association with Department of zoology under student welfare board, SPPU, Pune

#### 2] Organization of Conference and Seminar

- **Conference** on "Human and Wildlife Conflict - Concerns and Resolution" under KVIFF - 2020 in association with Biosphere on 6th January 2020
- **Seminar** on "Emerging trends and advances in

plant sciences” on 11th February 2020 funded by Board of students development , SPPU. Total 77 students attended the seminar. Honorable guest speakers & their topics were

- 1] Dr. Ade Avinash , H.O.D. Botany, “ The career and Business opportunities of plant science after graduation “
- 2] Dr. Kiran Ranadive, Anna saheb Magar College, Hadapsar, Pune  
“ Basidiomycetes in Western Ghat.”
- 3] Dr. Abhishek Baghela , Scientist D, Agharkar Research Institute, Pune on “ DNA Bar-coding working with fragments to build an encyclopedia of life.
- 4] Dr. Aparna Watve, Program Head, Society and Sustainable Development, Bharti Vidyapeeth Pune on “ Botany for Society “

### 3] Tree plantation program :

Tree plantation program was organized by the department at P.E. Society’s College of Agricultural Bio-technology, Dakhane on 23 rd September 2019. 115 Tree-saplings were cultivated. Fifty staff members were participated in the activity. GPS mapping of all planted trees was undertaken by Prof. Pise Manoj (Department of Zoology).

4] Department had conducted an intra-collegiate drawing competition of flowering twig.

5] Inauguration of Ramnadi Restoration Mission” in association with Kirloskar Vasundhara International Film Festival group, Pune, was undertaken by the Department for students.

6] Organized a Eco-trail at “Vetal Hill” in association with Biosphere under KVIFF 2020 (70 students participated).

### EXTRA-CURRICULAR ACTIVITIES OF STUDENTS

1] Sixty four (64) students of FY, SY and TY (B.Sc., B.Com, BA) worked as Volunteer Organized a Eco-trail at “Vetal Hill” in association with Biosphere under KVIFF 2020 (70 students participated).

2] Sixty four (64) students of FY, SY and TY (B.Sc.,

B.Com, B.A.) worked as Volunteer in ‘Kisan- Agro Exhibition’ held at Moshi, Dist. Pune

### STAFF ACHIEVEMENTS

#### I. Dr. Prachi Rawal

- Completed a national level webinar-3 on “Assessment and Accreditation a revised framework of Accreditation” on 22nd April to 26 April 2020 IQAC cluster India.
- Participated in two days state level seminar on “ Advances in Botanical Sciences “ organized by S.P.P.U. and Baburaoji Gholap College, Sangvi, Pune-27.on 20th & 21th 2019.
- Completed webinar on Life Science education and Future, Annasaheb Magar College
- Webinar on Sustainable use and cultivation of medicinal plants organized by Ayush and Terii.

#### ii. Dr. Prachi Kshirsagar

- Completed “Short term E course in Applied zoology” organized by Baburao Patil College of Arts and Science, Angar, Dist. Solapur
- Completed online “Certificate course in Chromatography” organized by Dipam Foundation, Patan, Gujrat from 7 - 16th May 2020.
- Completed online “Certificate course in Basics of Organic Farming” organized by YAS college, Devrukh, Ratnagiri from 30th May to 6th June 2020.
- Completed “E- Short term course on Sericulture” organized by Dept. Of Zoology, RLT College, Akola from 11 - 14th May 2020.
- Participated in online “Faculty Development Program on learning, pedagogy and effective use of case methodology” Adoption of social media in Academia from 17 - 21 May 2020.
- Completed 7 days online “International FDP on Biological Sciences” organized by Department of Botany, Nallamuthu Gounder Mahalingam College, Pollachi, Kerala from 25 - 31st May 2020.
- Attended XXIX Annual Conference of Indian Association for Angiosperm Taxonomy and National seminar on ‘Modern Trends in

Biosystematics of Angiosperms' organized by Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Thiruvananthapuram, Kerala, India from 11 - 13th November 2019.

- Attended a one day symposium on 'Omics approaches in plant science' organized by Department of Botany, SPPU, Pune.
- Attended National workshop on "Advances in Botanical sciences" organized by Dept. of Botany, Baburao Gholap College. Sangavi, Pune -411027 on 20th & 21st December 2019.
- Attended International conference on "Biotechnology : Perspective and challenges" organized by Dept. Of Biotechnology, Modern college of Arts, Science and Commerce, Ganeshkhind, Pune - 16 on 14 - 15th February 2020.
- Participated in National seminar on "Emerging trends in taxonomy: Flora, Fauna and Microbes" organized by Yashwantrao Mohite college of Arts, Science and Commerce, Erandwane, Pune on 20th February 2020.

#### STUDENT'S ACHIEVEMENTS

- Students of FY and SY B.Sc. (10) were participated in "Botanica", intercollegiate competition held at Botany Department, Wadia College, Pune.
  - Twelve (12) Students were participated in Eco-Quiz organized by Department of Environmental Science, SPPU, Pune
  - Two (2) students were participated in Photowalk around river Ramnadi by Biosphere, Pune
- Ten (10) students were participated in "Mimansa - an intercollegiate national level Science Quiz competition organized by IISER, Pune.
  - Ms. Shreeya Sontakke (S.Y. B.Sc.) – Received 3rd prize in painting and flower arrangement and 2nd prize in Poster competition held at Botany Department, Wadia College, Pune.
  - Ms. Varada Jamekar (S.Y. B.Sc.)– received 3rd prize in 'Photography' and 2nd prize in "Flower arrangement" competition held at Botany Department, Wadia College, Pune.
  - Mr. Ameya Jagtap(S.Y. B.Sc.)– received 3rd prize in 'Photography' and 2nd prize in "Flower arrangement" and 3rd prize in Poster competition held at Botany Department, Wadia College, Pune.
  - Ms. Aditi Rathod and Ms. Anushka Patil (T.Y. B.Sc.) received 2nd prize in Intercollegiate Poster competition held at Modern College, Ganeshkhind, Pune under DBT star college scheme.
  - Ms. Aditi Rathod and Ms. Anushka Patil (T.Y. B.Sc.) attended three weeks certificate course in "Key biodiversity area identification and monitoring" organized by Bombay Natural History Society in association with Ministry of environment, forest and climate change, New Delhi.

**Dr. Prachi Raval**

Head, Department of Botany



Human and wildlife conflict conference.



Botany Ecotrail at Vetil Hill

### B. Voc Programme for Food Processing Technology and Green House Technology:

The University Grants Commission (UGC) has launched a scheme on skills development based higher education as part of college education, leading to Bachelor of Vocational (B. Voc.) degree with multiple exits such as Diploma/Advanced Diploma under the National Skill Qualification framework (NSQF). The B. Voc. Programme is focused on providing undergraduate studies which would also incorporate specific jobs and their NOSs (National Occupational standards) along with broad based general education. This would enable the graduates completing B. Voc. to make a meaningful participation in accelerating India's economy by gaining appropriate employment, becoming entrepreneurs and creating appropriate knowledge.

#### Levels of Awards:

This course will offer multiple exits such as Diploma/Advanced Diploma/ B. Voc. degree each imparting students with employability and entrepreneurship in industry of chosen specialization which will be offered under the Savitribai Phule Pune University.

Award	Duration
Diploma	1 Year
Advanced Diploma	2 Years
B. Voc. Degree	3 Years

#### About the course:

Under National Skills Development Corporation, many Sector Skill Council representing respective industries have/are being established. One of the mandates of Sector Skill Councils is to develop National Occupational Standards (NOSs) for various jobs in their respective industries. It is important to embed the competencies required for specific jobs roles in the higher education system for creating

employable graduates.

This course will identify and fill the skill gaps. The mandate of this program is to create a course with industry-academia collaboration that will produce skilled workforce satisfying specific needs of the industry. This course will offer multiple needs of the industry. The structure will allow offer multiple needs of the industry. The structure will allow students to have thorough theoretical knowledge coupled with rigorous hands on training in both laboratory and industry.

#### Unique Features of the Course:

- ◆ The skill development component is to equip students with appropriate knowledge, practice and attitude, so they are ready to work.
- ◆ The skill development components will be relevant to the industries as per their requirements.
- ◆ The curriculum is embed with National Occupational Standards (NOSs) of specific job roles within the industry sector(s).
- ◆ The overall design of the skill development component along with technologies in food process engineering.
- ◆ The curriculum should also focus on work-readiness skills in each of the three years. Curriculum should also focus on work-readiness skills in each of the three years. Curriculum is designed to match industrial needs with greater emphasis on practical work, on the job training and industrial internship.

#### Activities of B.Voc. Department

##### Fresher's welcome

Fresher's welcome event was organized by S.Y.B.Voc and T.Y.B.Voc students on 28th August, 2019. All teaching and non-teaching staffs were

present for the event. Various performances like singing, dancing were performed by S.Y.B.Voc and T.Y.B.Voc students. Formal introduction of individual F.Y. Student was given by them. Different exciting games were organized for newcomers. According to student's performance in game, way of introduction, personality Mr. & Ms. Fresher was selected. Winner for Mr. Fresher was Mr. Tejas Pathare and Ms. Fresher was Ms. Alisha Nhavelkar. The winners were awarded by Dr. Kavita Parekh. The program was followed by snacks.

### **World Food Day**

World Food Day is celebrated every year around the world on 16th October in honour of the date of the founding of the Food and Agriculture Organization of the United Nations in 1945. The day is celebrated widely by many other organisations concerned with food security, including the World Food Programme and the International Fund for Agricultural Development. This year Department of B. Voc. (Food Processing Technology) Modern College of Arts, Science and Commerce, Ganeshkhind, Pune (Initiative of IQAC) organised World Food Day. The theme for the event was "Our Actions are Our Future. A# Zero Hunger world by 2030 is possible". The event was organised by Dr. Kavita Parekh, Coordinator B. Voc. (Food Processing Technology), P.E.Society's Modern College of Arts, Science and Commerce Ganeshkhind, Pune and Mrs. Mrunal Pardeshi, Asst. Prof. B.Voc (Food Processing Technology),

Various events like Product Development with a theme of food product development by using Jaggery Competition were organised by Mrs. Mrunal Pardeshi, Mrs. Bhagyashri Sarode, Mrs. Amruta Mane and Dr. Rupali Shinde, Staff of B.Voc Department Active participation of students was seen. Total 19 groups (57 students) participated in Quiz Competition and 31 groups (90 students) participated in innovative product

development competition. Product Development Competition was judged by Dr. Shubhangi Joshi Vice Modern College of Arts, Science and Commerce Ganeshkhind, Pune The evaluation of competitions was based on students, Innovation, theme, presentation, concept and taste, sensory evaluation.

**Winners for Product Development Competition are:** 1. Chaitrali Dhongade and Ankita Pandit 2. Anup Arya And Pritam Pawar 3. Vaibhav Jadhav and Aniket Suryanshi

Winners for Quiz competition are: 1. Sarang Yadav, Ashish Pangare, Vaibhav Jadhav and Mayur Nikam 2. Vaidehi Marathe, Manasi Lene, Kalyani Patil and sonal Dere 3. Yash Tirhekar, Nikhil Thorat, Pratik Jadhav and Hrushikesh Sawant The vote of thanks was given by, Dr. Kavita Parekh, Coordinator B.Voc (Food Processing Technology), P. E. Society's Modern College of Arts, Science and Commerce Ganeshkhind, Pune.

### **Guest Lecture on Study skills**

The guest lecture of Dr. Anup Kulkarni, Director, Ignitio Zealous Academy on Study abroad was arranged for F. Y. B.Voc, S.Y.B. Voc. and T. Y. B. Voc. students on study skills on 14/09/2019, Saturday, at 12.00pm to 1.00pm in A.V. Hall A Building. Total 136 students attended the lecture.

### **Anubhuti Science Exhibition**

"Anubhuti" science exhibition was conducted on 05th February, 2020 at Modern College. Various competitions were arranged, which included Project Exhibition (Theme - Tradition and Migration), Poster Presentation- (Theme - Food Processing Technology), Model Presentation - (Theme - Equipments used in Food Industry.)

Active participation of students was observed. Various healthy, innovative recipes were made by students like Kaap, breadsticks, energy bar etc. Attractive posters such as Eat less from boxes and eat more from earth, Zero hunger, Revolution

of Millets were presented by students. Technical models related to food industry equipments Planet Mixer, Plate heat exchanger, Spice grinding machine, Khoa Making Machine were presented by students. All the activities were judged by Dr. Shampa Priyatosh Chakravarthy. The co-ordination of all events was done by Mrs. Bhagyashree Sarode and B.Voc staff. List of winners of events is as follow

### Poster Presentation

**1st Prize:** Yuga Kinikar, Rohit Jagdale (S.Y. B.Voc) for Issues related to food wastage.

**2nd Prize:** Akhilesh Sonawane, Tanmay Kajabe (F.Y. B.Voc) for Healthy Pyramid

**3rd Prize:** Yuga Kinkar for Recent trends in Food Processing

### Recipe Competition

**1st Prize:** Chirayu Kadurkar (F.Y. B.Voc) for Kaap

**2nd Prize:** Sakshi Dhoka, Anjali Yewale, Sanjiwani Bankhele, Karuna Yelavi (T.Y. B.Voc) for Bread Sticks

### Project / Model Competition

**1st Prize:** Monika Raut, Namrata Kadam (T.Y. B.Voc) for Plate heat exchanger

**2nd Prize:** Aishwarya Pande, Yuti Kokate (F.Y. B.Voc) for Smoke Absorber

### Modern Chef

#### Modern Chef Report 2019-20

“Modern Chef” a recipe competition was conducted on 17th Jan 2019 at B.Voc department. It was organized by Modernites in collaboration with B.Voc Department. The theme for the event was used Colors of Flag. It was organised for All Teaching Staff, Alumni, Parents, P.G. Students, B.Voc. Students and Non-Teaching Staff.

Participants were divided in various categories like teaching staff, Non-teaching staff, Alumni, P.G.Students, parents of students and B.Voc Students. There was a good response for

participation of students. Various innovative, tasty, attractive dishes were prepared by all participants. Products like Dengue Buster, Chatni, Coconut Laddu, Healthy Diversity, Tirangi Dosa, were prepared by participants. All dishes were judged by Mrs. Deepali Gaidhani, and Naveena Gujar. The products were judged on the basis of theme colour of flag, innovation, presentation, health benefits and overall sensory acceptance. The co-ordinators for the events were Dr. Jayashree Kharche and Dr. Pallavi Nikhare. Incharge for the event was Dr. Kavita Parekh and Mrunal Pardeshi and other B.Voc Staff.

**The winners for all categories were as follow**

**1. Teaching Staff :** Dr. Gauri Bhaghat (Healthy Diversity)

**2. Non-Teaching Staff:** Mrs. Shubhangi Nawale (Laadu)

**3. Alumni:**

**4. P.G:** Aditi Jadhav (Dengue Buster)

**5. Parents:** Sangita Kale (Chatani)

**6. B.Voc:** Chirayu Kadurkar (Tricolor Theme) Approximately 40 participants had actively participated in all the competitions. These competitions had given opportunities to modernites to express their views and ideas which had shown through their innovations in the recipe.

**Prof. Mrunal Pardeshi**

Co-Ordinator





Teaching Staff with F.Y. B.Voc Students



Dish Presented during World Food Day

## DEPARTMENTAL REPORT 2019-20

## COMPUTER SCIENCE

### INTERACTION 2020

The Computer Science Department organized intercollegiate competitions for under graduate & post graduate students from colleges affiliated to Savitribai Phule Pune University as "INTERACTION 2020". This was 17th year of INTERACTION. There were 343+ students from 12 different colleges like Garware College, Indira College, Jay Kranti College, AbedaInamdar College, Modern College Shivajinagar, Baburaoji Gholap college participated.

On first day the Inauguration ceremony was held at Computer Science Department. The Competition was inaugurated by, Mrs. Vandana Gaykar (Founder, Trident Web Info Services), Prof. Swati Kandharkar (Vice Principal), Dr. Shubhangi Bhatambrekar (Head of Computer Science Department) and Ms. Dipali Tamhane (Coordinator of Interaction – 2020). Computer Science staff members and supporting staff, Participants and Volunteers were present for the inauguration ceremony. 'Blind Coding', 'Project Competition' and 'Treasure Hunt' competitions were held. Total 228 students participated in the competitions. The Blind Coding competition was examined by Ms. Kavita Shinde (MIT ACSC, Alandi) for the post-graduation section. Ms. Swapna Kulkarni (MIT ACSC, Alandi) evaluated the under graduate section. The Project Competition was examined by Mr. Abhijit

Kulkarni (Cofounder and Director, InCrux) and Dr. Deepak Shendkar judged Treasure Hunt competition.

On second day Assemble IT, Quiz Competition and Grab the Opportunity were held and 115 students participated in these competitions. Winners of Assemble IT: Sarfraj Shaikh and Riyasat Shaikh are from Indira College. Winner of Blind Coding is Azad Singh from Modern College Shivajinagar. Quiz competition was won by, Garware College. The chief guests for prize distribution were Mr. Anand Sagar Shiralkar (CEO, Vizitech Solutions) and Dr. Swati Sayankar (Principal, K.B. Joshi Institute of Information Technology). The Champion's trophy was won by MES, Abasaheb Garware College. The prizes were cordless Keyboards, mouse, pen drives, ear phones and certificates.

### Soft Skill Workshop 2019

**Day 1: 23 August 2019 (Friday)**

**Venue: – AV Hall**

Time	Topic	Name of Speaker
10:00 am to 10:45 am	Inauguration	
11:00 to 01:00	Career in IT and Cloud Computing	Mr. Kailas Tare
01:00 to 01:30	Lunch Break	

01:30 to 03:00	Group Discussion	Mr. Rahul Joshi
03:00 to 05:00	Interpersonal Skills	Dr. Atul Patil

## Day 2: 24th August 2019 (Saturday)

Venue: AV Hall

Time	Topic	Name of Speaker
10:00 am to 11:30	Mock Interview	Monica Bansal
11:30 to 01:00	Emotional intelligence	Mr. Bhushan Hirlekar
01:00 to 01:30	Health care	Dr. Renu Bharadwaj
01:30 to 02:00	Lunch Break	
02:00 to 03:30	Goal Setting & communication skill	Mr. Shreekar Purandare
03:30 to 05:00	Creativity	Mr. Rajiv Tulpule
05:00 to 05:30	Valedictory	

### • Staff Achievements:

#### • Dr. Shubhangi Bhatambrekar

- o Worked as Session Chair at National Conference on Innovations and Developments in Computational and Applied Science on 21st and 22nd December 2019 at MIT College Alandi, Pune.
- o Worked as Session Chair at National Conference on ICT based use of Advanced Educational Technologies in Teaching, Learning and Evaluation on 11th and 12th January 2019 at Modern College Shivajinagar.
- o Published the research paper titled "IoT Based Home Security System Using Raspberry Pi-3" in IJRAR January 2019, Volume 6, Issue 1 www.ijrar.org (E-ISSN 2348-1269, P- ISSN 2349-5138) Impact Factor: 5.75, UGC and ISSN Approved, UGC Journal Number 43602.
- o Successfully completed NPTEL on line course in "Python for Data Science" in January 2020
- o Successfully completed Udeemy on line course in "AWS Concepts" and "AWS Services" in

February 2020

#### • Mr. Kumod Sapkal

- o Attended 3 Webinar and FDP5

#### • Dr. Pallawi Bulakh

- o Participated in MSC(CA) Sem I DMDW Slip Preparation
- o Successfully attended International e conference on strategies and challenges in higher education during covid 19 by GVISH, Govt. of Maharashtra
- o Successfully completed workshop on Automation & Robotics: Robotics Basics and New Technology by Altekin Automation and Robotics
- o Syllabus Restructuring workshop by Savitribai Phule Pune University
- o Implementation of MSc(CS)-I syllabus
- o Implementation of MSc(CS)-II syllabus
- o Implementation of MSc(CA)-II syllabus
- o SYBSc (computer science) syllabus

#### o Attended 14 Faculty Development Programme

- o Holistic Teacher Training in Innovative Skills of Cooperative Learning and Development of E-content for Teaching Pedagogies in Higher Education
- o Multimedia enriched e- Content Development by GAD-TLC MHRD (GRADE A)

#### Webinar

- o Successfully completed 22 webinars.

#### Dr. Dipali Meher

- Awarded PhD in Computer Application in July 2019
- Delivered Guest Lecture on topic Schema Migration in NOSQL on 15th October 2019
- Participated in MSC(CA) Sem I DMDW Slip Preparation
- Successfully attended International e conference on strategies and challenges in higher education during covid 19 by GVISH, Govt. of

## Maharashtra

- Successfully completed workshop on Automation & Robotics: Robotics Basics and New Technology by Altekin Automation and Robotics
- Syllabus Restructuring workshop by Savitribai Phule Pune University
- o Implementation of MSc(CS)-I syllabus
- o Implementation of MSc(CS)-II syllabus
- o Implementation of MSc(CA)-II syllabus
- o SYBSc(computer science) syllabus
- **Attended 14 Faculty Development Programme**
- o Holistic Teacher Training in Innovative Skills of Cooperative Learning and Development of E-content for Teaching Pedagogies in Higher Education
- o Multimedia enriched e- Content Development by GAD-TLC MHRD( GRADE A)
- **Webinar**
- o Successfully completed 22 webinar
- **Meenal Jabde**
- o Successfully attended International e conference on strategies and challenges in higher education during covid 19 by GVISH, Govt. of Maharashtra
- o Successfully completed workshop on Automation & Robotics: Robotics Basics and New Technology by Altekin Automation and Robotics
- o Syllabus Restructuring workshop by Savitribai Phule Pune University
- o Implementation of MSc(CS)-I syllabus
- o Implementation of MSc(CS)-II syllabus
- o Implementation of MSc(CA)-II syllabus
- o SYBSc (computer science) syllabus
- Attended 14 Faculty Development Programme
- o Holistic Teacher Training in Innovative Skills of Cooperative Learning and Development of E-content for Teaching Pedagogies in Higher

## Education

- o Multimedia enriched e- Content Development by GAD-TLC MHRD( GRADE A)

### Webinar

- o Successfully completed 22 webinar
- **Sonal Kulkarni**
- o Successfully completed "ANNUAL REFRESHER PROGRAMME IN TEACHING(ARPIT) - February 2020", in "Refresher Course on Teacher and Teaching in Higher Education" conducted by SWAYAM.
- o Completed one day National Seminar on "Innovative and Best Practices in Higher Education" organised by P.E.S.'s Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-16 on 26th July 2019.
- o Participated Faculty Development Programme on "Teaching Skills and Strategies" organised by P.E.S.'s Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-16 from 11th to 13th July 2019.

### Attended Webinar 14

- o Completed one day Faculty Development Program on "Cyber Forensics" on 21 May 2020, organised by SVIT, Secunderabad, 5 days FDP on "Artificial Intelligence" "organised by Universal College of Engineering, Kaman," "R" training organised by IMS, Noida. One-week FDP on "Multimedia enriched e-content Development" with "A grade" "on 21 to 26 May 2020 organised by GADTLC, Sri Guru Tegh Bahadur Khalsa College, University of Delhi.
- o Attended online Vrddhi software training.
- o Successfully completed course on "Google Analytics for Beginners".
- **Satish Ambike**
- o Attended International Conference on "Recent Innovations in Engineering and Technology-19
- o ICRIET-19 International Journal of Computer Application, USA
- o Research paper on "Ubiquitous Cloud Enabled

Healthcare Systems”

- o Attending PES FDP 7 days program from 23 May to 3 June 2020

### Attended 81 Webinar

- o FDP on "Role of Online Teaching Pedagogy and ICT tools" in OBE”

#### • Ranjana Shevkar

- o Completed FDP, in subject Theory of Computation conducted by NPTEL-AICTE, Sept 2019.
- o Working as DBT Coordinator of Computer Science Department

#### • Niket Tajne

- o Published a Research paper titled “A Systemic Study of Indian Ancient Script by determining the Issues for Effective use of Handwritten Character Recognition” in UGC-CARE List Journal Muktsabd Journal in June 2020.
- o Attended 5 Webinar and Attended 4 FDPs
- o Completed Online Course of Learn Machine Learning 101 Class Bootcamp Course organized by udemy on 23rd April 2020.
- o Published the Research paper entitle with “Utilization of Deep learning in Handwritten Text Recognition” in National Conference on Emerging Trends, Challenges and Opportunities in Data Mining and Information Security NTCOMIS2020 is organized by Bharati Vidyapeeth (Deemed to be University), Institute of Management and Entrepreneurship Development, Pune, on 17th and 18th January 2020.
- o Participated in One-day National Seminar in Innovative and Best Practices in Higher education in collaboration with National Assessment and Accreditation Council (NACC), Bangalore and Savatribai Phule Pune University, Co-organized with IQAC cluster India and CEDA, on 26th July 2019.
- o Participated in Three Days Faculty Development Programme on Teaching Skills and Strategies Conducted by Progressive

Education Society’s B.Ed. College Shivaji Nagar, Pune, on 11th to 13th July 2019.

#### • Amol Patil

- o "Image and Video Processing: From Mars to Hollywood with a Stop at the Hospital" an online non-credit course authorized by Duke University and offered through Coursera.

"Deep Learning Onramp (MATLAB R2018b)" course offered by Math Works.

- o FACULTY INDUCTION PROGRAMME from 30th October to 23rd November 2019, organized by the Center of Excellence in Science and Mathematics
- o Education (CoESME) at IISER Pune, under the aegis of MHRD's Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) Scheme.

**Webinar** on "Fundamentals of Outcomes-based education", organized by Ajay Bhagwat, director of Inpods India private limited, Pune. 4th April 2020.

#### • Dipali Tamhane

- o Successfully attended and actively participated Faculty Development Programme on “Programming In Java” by NPTEL conducted by NPTEL in jul-oct 2019.
- o Successfully attended and actively participated Faculty Development Programme on “Problem Solving through Programming in C” by NPTEL conducted by NPTEL in jul-oct 2019.
- o Successfully attended and actively participated Faculty Development Programme on “Some Aspects of Computational Mathematics” jointly organized by Department of Computer Science and Department of Mathematics of SPPU, Pune from 10/12/2019 to 14/12/2019.
- o Successfully attended 3 Webinar and 6 Faculty Development Programs.

#### • Chaitali Makashir

- o Successfully attended and actively participated in a webinar on “How to use VRIDDHI ONLINE admission along with online payment

gateway- discussion on infrastructure requirement and new feature added in VRIDDHI ONLINE” the webinar was organized on 23rd of May and 27th of May 2020

• **Nilesh Arote**

o Successfully attended and actively participated in a webinar on “How to use VRIDDHI ONLINE admission along with online payment gateway- discussion on infrastructure requirement and new feature added in VRIDDHI ONLINE” the webinar was organized on 23rd of May and 27th of May 2020

• **Aishwarya Nayak**

o Completed AI FDP conducted from 22nd May 2020 to 26th May 2020 organized by Universal College of Engineering, Kaman.

o Completed FDP on R Programming organized by IMS Noida, UP in association with

o Spoken Tutorial Project, IIT Bombay from 25th to 29th May, 2020

o Secured 90% in C Programming Quiz organized by Sinhala College.

o Completed the FDP organized by PES Modern College, Shivajinagar, Pune-05.

• **Vedant Mulay**

o Completed Seven Days Online Faculty Development Program on “On-line teaching E-content Development, Use of various tools in the teaching-learning process “organized by Progressive Education Society From 28th May to 4th June 2020.

o Completed 1-week Online Faculty Development Program on “Python” organized by Universal college engineering & spoken tutorials Mumbai, From 4th May to 8th May 2020.

o Completed 5 days of National Online Faculty Development Program on “Artificial Intelligence” organized by Universal college engineering Mumbai, From 22nd May to 26th May 2020.

• **Chirantan P. Dixit**

o Participated in PHP and UI training programme by encryption technologies.

• **Ashwini Pawar**

Attended 5 Webinar and 4 Faculty development Programmes

o Qualified NET (Computer Science and Application) Exam July 2019.

o Participated in Faculty Development Programme on “Teaching Skills and Strategies”.

o Participated in National Seminar On “Intellectual Property Rights”.

o Completed one day Workshop on “ Introduction to Data Science(Python)”.

**Placement Cell Report 2019-20**

Following is the List of Post graduate selected students in year 2019-20

Sr. No	Name of student	Name of company
1.	Abhijit Mohan Shinde	Max Secure Software Pvt Ltd
2.	Abhiraj sanjay Mandhare	OMVSAB IT COMPANY
3.	Aishwarya Harshakumar Patil	Techaart Systems Pvt. Ltd
4.	Akshata Satish Waragde	Web Soft IT Solution
5.	Amruta Dattu Narute	Ashore System Pvt. Ltd
6.	Ashwini Popat Adak	The Programmers lab
7.	Banage Sonali Harishchandra	Binoclard Infosystem Pvt Ltd
8.	Deepali Vishnu Waghmare	The Programmers Lab
9.	Gangad Vaishnavi Nanasheh	Vencent Systems Private Limited
10.	Gayatri Kate	Omega Soft
11	Gunjal Mahesh Bhausheh	AASA Technologies
12	Harshada Ghatkar	Peaku Demand Baffle Techno PVT. LTD
13	Jagruti Uttaradhi	Cryptic technologies Pvt. Ltd.

14	Jayesh Milind Joshi	Trident Web Info Services Pvt. Ltd
15	Kalpesh baban ahire	Max Secure Software. Pvt. Ltd
16	Kamble Poonam Dhanaji	Cravita Technologies India Pvt Ltd
17	Kanchan Kamlakar Jogdand	On V Sab IT Solution
18	Karale Snehal Dilip	Omvsab It Solution
19	Ketki Bahirat	0
20	Ketki Kumar Bahirat	Pawar Software Solution
21	Mahesh Bhausahab Gunjal	AASA technology
22	More Harshali Ramdas	Felix-IT system
23	Nikita Mohan Kolekar	VSH Solutions Private Limited
24	Nrupesh Mangesh Mulay	Engenius Park
25	Pavan Surange	Magneto IT Solutions Pvt Ltd
26	Pawar Kiran Ashok	Pawar Software Solutions Pvt. Ltd
27	Pranali sanjay shelke	Omvsab It Company
28	Pranali Suresh Pawar	AINO Software Private Limited
29	Pranav Dilip Kuyate	Engenious Park Technologies llp
30	Pranit Haribhakta	Flora Techno Solutions Pvt. Ltd.
31	Pratiksha Prakash Kanade	Cravita Technologies
32	Priyanka Suresh Rajpure	Omvsab IT Solutions
33	Raginee Chandrakant Gawade	Trident web Info Services
34	Rajeshwari Sanjay Karpe	I-mates Internet LLP
35	Ruchita Sanjay Bharambe	OmV sab
36	Sachin Dhondibhau Dongare	SQR Infotech Pvt. Ltd.
37	Sapkal Asmita Shamrao	Matrix Hub Technology

38	Shailesh Mali	Harbinger Group
39	Shruti Shekhar Chandere	The Programmer's Lab
40	Shubham Vijay Pawar	OmVsab IT Solution
41	Snehada Shivaji Shelake	OmVsab
42	Sonali Bapusaheb Shelke	Aimtoz Technology (OPC) Pvt Ltc
43	Sonali Ramdas	OmVSab IT solution Kumbhar
44	Swapnali Sanjay Mali	The Programmers Lab
45	Vaibhavi tembe	E-Deesha Technology
46	Vaishali Jalindar Kadam	Vencent System Pvt Ltd
47	Vikaskumar Gupta	Apptware

**Following is the List of Under Graduate selected students in year 2019-20**

Sr.	Name of Student	Company Name
1	Kamalnath Shankarnath Joshiya	Infosys, Cognizant, TCS,Atos Syntel, Wipro
2	Dhanashree Dhananjay Kadu	Infosys, Cognizant, Capgemini, Wipro
3	Rahul Kaluram Dodke	Infosys, Cognizant
4	Pratiksha Rajaram Borate	Wipro, Capgemini
5	Gayatri Dilip Mane	Infosys, Cognizant
6	Shraddha Shashikant Karad	Infosys, Cognizant
7	Arundhati Kalidas Sapakal	Infosys, Cognizant
8	Nidhi Vikas Bhosale	Wipro
9	Shubham Subodh Harshe	Wipro
10	Shivani Jaydeep Khedekar	Mphasis IT Services
11	Rushikesh Arivind Mane	Capgemini
12	Umesh Shivaji Padwal	TCS
13	Soham Sunil Deshpande	TCS
14	Sohail Nisar Magdum	TCS
15	Hardick Kishor Raghvani	TCS
16	Suyash Sanjay Gaikwad	TCS

17	Akshada Sandeep Pawar	TCS
18	Vishesh Navin Malik	TCS
19	Shubhankar Mahesh Pawar	TCS
20	Rahul Balu Raut	TCS
21	Pooja Dilip Sabankar	Cognizant
22	Apurva Subhash Khandve	Cognizant
23	Kshitija Pramod Kamble	Cognizant

24	Shrutika Balu Khandve	Cognizant
25	Pratiksha Kashinath Bhosale	Cognizant
26	Apeksha Eknath Ghogale	Infosys
27	Neha Ravindra Bhosle	Infosys

**Dr. S. S.Bhatambrekar**  
Head, Department of Computer Science



Assemble -IT Prize Distribution



Mr. Abhijeet Kulkarni giving prizes to winners of Project competition



Blind Coding Competition Examined by Prof. Swapna Kulkarni (MIT ACSC, Alandi)



Felicitation of guest Prof. Atul Patil Sir by HOD Dr. S.S. Bhatambrekar

## DEPARTMENTAL REPORT 2019-20

## CHEMISTRY

### Departmental Activities

1. A new Course B. Sc. Blended (Chemistry) is commenced in collaboration with University of Melbourne, Australia. Coordinator: Dr. Mukula Joshi.
2. The Department of Chemistry conducted a Faculty Development Programme **"Holistic Teacher Training in Innovative Skills of**

**Cooperative Learning and Development of E-content for Teaching Pedagogies in Higher Education"** funded by Teaching Learning Centre, SPPU. The duration of the FDP was 25<sup>th</sup> November, 2019 to 1<sup>st</sup> December, 2019. Total number of participants were 45 out of which 22 were outstation participants. Coordinator: Dr. Sushma Katade.

3. A Lab to Land activity was conducted on

December 18<sup>th</sup>, 2019 by visiting NSS camp at Khamgaon (Chhetra).

- An “**Intercollegiate University Level Chemistry Quiz**” was organized on 3<sup>rd</sup> February 2020. Twelve colleges participated in the quiz. Coordinator: Mrs. Ketaki Saravate.
- A one day workshop on **Industry-Academia Connect** was organized under STAR-DBT scheme on 4<sup>th</sup> January 2020. Coordinator: Mrs. Revati Nagarkar.
- The intercollegiate Chemiad Examination organized by the Department of Chemistry, S. P. Pune University was conducted on 23<sup>rd</sup>

February 2020. The coordinator was Mr. D.M. Thakar.

### Visit to Campus/ Industries/ Institutes

- Study tour of SYBSc with 130 Chemistry students was taken to the Regional Forensic Science Laboratory, Govt. Of Maharashtra, Pune on 22<sup>nd</sup> January, 2020.
- F.Y.B.Sc. (General and Blended) 132 students visited National Forensic Laboratory on 24<sup>th</sup> February 2020.
- Study tour of S.Y.B.Sc with 100 students was arranged at Someshwar Sahakari Sakhar Karkhana on 10<sup>th</sup> February 2020.

### Guest Lectures:

Sr. No.	Date	Name of expert and organisation with contact details	Topic
1	18.10.2019	Dr. Andrew Drinnan	University of Melbourne, Australia Modelling the growth and mechanics of Shoot Apical Meristems
2	04.01.2020	Dr. G.C. Maikap	How to prepare for an interview. Emcure Pharma
3	12.02.2020	Dr. Manisha Khaladkar COEP	Fascinating world of Nano
4	07.01.2020	Mr Subhash Pol Edwise international	Fellowships Available for Higher Education in Foreign Universities
5	09.02.2020	Mrs Archana Mumbai	Dighe-Bhide, Free Lance Corporate Advisor, CV Writing and Interview Techniques
6	24.02.2020	Mr Ajit Ekal Instavision, Satara	Work Culture in the Pharmaceutical Industry

### Staff Achievements:

- Dr. Madhuri Kulkarni was invited as Judge for DBT sponsored Inter School and Intercollegiate Science Fair held on 30/08/2019.
- Dr. Madhuri Kulkarni was invited as Resource person at Workshop on Implementation of Choice Based Credit System at Vidya Pratishthan. College, Baramati on 14/09/2019.
- Dr. Madhuri Kulkarni, Dr. Mohini Gupte and

Gayatri Shrotriya were invited as Judge for Poster competition on 'Say No to Plastics' held by Library on 23 September 2019

- Mrs. Ketaki Sarwate and Mrs. Gayatri Shrotriya completed a six days course 'Train the trainers' by TLC, SPPU and S.P.College, Pune on 10-15<sup>th</sup> May 2019.
- Dr. Sushma Katade successfully completed Short Term Faculty Development Programme of Ten Days Course on “Instrumentation Techniques for Nanomaterials (Chemistry)”

- at Department of Instrumentation Sciences, SPPU, organized by Academic Staff College, UGC-MHRD from 20/06/2019 to 29/06/2019.
6. Mr. Dnyaneshwar Thakar has participated in the IIEP-UNESCO/UNICEF/GPE MOOC on 'Mainstreaming Early Childhood Education into Education Sector Planning '(ESP) organised from 28 October to 29 November 2019 (5 weeks).
  7. Dr. Madhuri Kulkarni, Dr. Sushama Kale Dr. Sushma Katade, Dr. Mohini Gupte and Gayatri Shrotriya, participated in the two days national seminar on Intellectual Property rights and research ethics sponsored by Indian Council of Social Science Research, New Delhi on 27<sup>th</sup> and 28<sup>th</sup> February, 2020.
  8. Dr. Madhuri Kulkarni, Mrs. Anuradha Bhamidi, Dr. Sushma Katade and Dr. Mukula Joshi successfully completed two weeks Faculty Development Programme on "Managing Online Classes and Cocreating MOOCS organized by HRD Ministry under PMMM TLC together with Ramanujan College, New Delhi from 18<sup>th</sup> May to 3<sup>rd</sup> June 2020.
  9. Gayatri Shrotriya was invited to conduct lectures on 'Safety in Chemical Laboratory' in Modern College, Shivajinagar in February 2020.
  10. Dr. Rucha Purandare participated in three days National level Teacher Training Program on 'A contemporary approach towards teaching and learning medicinal chemistry' from 19 to 21 December 2019 at BJS college, Wagholi.
  11. Dr. Sushama Kale Participated in one day National Seminar on Innovative and Best practices in Higher Education, organised by Modern College of ASC, Ganeshkhind, Pune-16, on 27 July.  
Dr. Sushama Kale Worked as an internal judge for Intercollegiate Chemistry quiz.
  12. Dr. Dipratan Khandare and Mrs. Anuradha Bhamidi participated in the Faculty Development Programme conducted by department Chemistry "Holistic Teacher Training in Innovative

### Students' achievements:

Sr. No	Name of student	Achievement Details
1	Trupti Hirshetti and Amruta Mule T.Y. B.Sc.	Awarded First prize for project competition 'best from west ' in 'Science Popularization Program Science fair 2019' On 30 August 2019 sponsored by DBT Pune-16. Participated in 'Anubhuti' Science Exhibition.
2	Paresh Hawaldar and Yeman Rana S.Y. B. Sc.	Won Third Prize in one day State Level Science Exhibition organised by National Service Scheme Unit and Board of Students Development, SPPU, Pune at Prin. Dr. Sudhakar Jadhavar Pune on 5th Jan. 2019. Awarded 3rd prize in 'Anubhuti' science exhibition organized by Modern College, Gk, Pune - 16
3	Gaurav N. Gole, Omkar Mane, Tushar Ghadge and Sanket M.Sc. II	Participated in poster competition on "Science and Technology for sustainable development" organized by Prof. Ramkrishna More College, Akurdi, Pune held on 12/12/2019. Guided by Revati Nagarkar

4	Rohan Telakallu and Rohit Bhole MSc II	Received consolation prize for Green Synthesis of Heterocycles poster presentation in State level seminar organised by Pratibha College, Pune on 7th-8th February 2020 under the Guidance of Ketaki Saravate.
5	Sanket Zanjad MSc II	Received first prize in poster competition conducted in VIVIDHA activity held on 16/01/2020. Topic : National Integrity
6	Gaurav N. Gole, Omkar Mane, Tushar Ghadge and Sanket Zanjad MSc II	Participated in Regional Science Fair Poster Competition conducted by Modern College, Gk, Pune Guided by Revati Nagarkar
7	Sakshi Garkoti T.Y.B.Sc	Won 2nd Prize in poster competition held as a regional Project and poster inter college competition held on 5th February, 2020 under the guidance of Dr. Mohini Gupte
8	Sakshi Garkoti, TYBSc	Title: Traditional methods of purification of drinking water better than packaged water Participated in the water Olympiad conducted by Rotary Club, Pune on 22nd and 23rd February 2020 under the guidance of Dr. Mohini Gupte.
9	Hemangi Deo, M.ScII Paresh Havaladar, TYBSc Kshitija Murkute and	Participated in Project competition held as a regional Project and poster Inter College competition held on 5th February, 2020 under the guidance of Dr. Mohini Gupte
10	Mayuri Rawool TYBSc Paresh Havaladar, TYBSc	Title: Synthesis and Characterization of Ni/Cr hydrotalcites. Title: Solar cells Title: Nuclear Reactor Working Model Applied for Avishkar on 15th November 2019 under the guidance of Dr. Mohini Gupte Title: sensitized solar cells.
11	Manisha Tandi & Amisha Gaur FY B.Sc.	Participated in Regional Science Fair Poster Competition and in "Anubhuti" conducted by Modern College, Gk, Pune under the guidance of Dr. Rucha Purandare Title : Citrus Cleaner
12	Ganesh Chorge & Nandini Saraf FY B.Sc	Participated in poster presentation at "Anubhuti" conducted by Modern College, Gk, Pune under the guidance of Dr. Rucha Purandare Title: The Bio-force of Life: Vitamin B-Complex
13	Snehal Shinde and Swati Katale S.Y.BSc.	Won 2nd prize for project on natural pH indicators in 'Regional project and poster competition' organised by College, Ganeshkhind on 5th February 2020 under the guidance of Ketaki Saravate

Dr. Madhuri Kulkarni  
Head, Department of Chemistry



NSS Camp at Khamgaon (Chhetra)



Visit by Prof. David McFayden and Dr. Andrew Drinnan, University of Melbourne, Australia

## DEPARTMENTAL REPORT 2019-20

## ELECTRONICS

### 1. Curricular and cocurricular Activities:

**A. Department has organized a Curriculum Enrichment Value added course on "Internet of Things (IOT) using Raspberry Pi" for the students of S. Y. and T. Y. with Electronics and Computer Sc. background. Thirteen students participated in the course. Three students have completed the course of which two were from Fergusson College, Pune. Mrs. Vaishali Salunke designed and worked as a coordinator for the course. In house faculty worked as resource.**

**B. Thirty hours Skill based course on "Modeling and Simulation using MATLAB" was run for F.Y.B.sc (Computer Science) students. Twenty students successfully completed the course. Dr. Mrinalini Bhadane designed and worked as a coordinator and resource for the course.**

**C. Guest Lecture :Mr. Sandeep Agashe, from Sandeep Agency and Consultancy delivered lecture on "Hardware and Software Interface using Embeded C" on 26<sup>th</sup> February 2020. Hundred and Forty Eight Students of second year attended the guest lecture.**

### D. Industrial Visit/ Training/Study Tour:

- Ms. Vrushali More, the student of F.Y.B.Sc. (Comp.Sc.) undergone Industrial Training for one week at Techno Four Electronics Pvt. Ltd., Pune
- F.Y. Comp. Sc. students visited Inter University Center for Astronomy and Astrophysics, SPPU Campus, Pune on Science day, 28<sup>th</sup> Feb 2020 to explore practical approach of Astrophysics.

### E. E-Content/ICT based Development activities:

- Dr. Mrunalini Bhadane started You tube channel 'Reliable Solutions' to promote e-learning.
- Mrs. Vaishali Salunke uploaded new module as "Introduction to 8051 Micro controller ,Part-1 -Concept of SOC" on YouTube via link <https://youtu.be/HBjNT8g7Oqg>
- Dr. Mrunalini Bhadane and Mrs. Pradnya Pathakji conducted On\_line quiz for F. Y. B.Sc. (Comp. Sc.) students using Moodle platform.

### 2. Extracurricular Activities:

- E-Techno Fair**, an Intercollegiate activity sponsored by Board of Students'

Development, SPPU, Pune was organized on 8<sup>th</sup> February 2020 Purpose behind the activity was to create a platform for the students to showcase their technical skills, fundamental and advanced knowledge in Electronics. Different games like Quiz in the form of **Snake and Ladder**, PC assembling Competition - **Assemble It, Tech game** to test basic technical skills in electronics, Students' Views on Technical Developments as **Tech-Talk** were arranged. Six participants from Kaveri and Christ College Pune and Sixteen participants from our college enjoyed the academic event. **Prof. Swati Sarwate from St. Mira College, Pune** worked as a **judge** for the competitions. **Mrs. Vaishali Salunke coordinated** the event.

- b. **Project, Poster Presentation** was organized at department on 5<sup>th</sup> February 2020, as part of Science Exhibition activity "ANUBHUTI" of Science Association of the college. Fourteen Student participated in the exhibition .Prototype of Green House, Air Pollution Detector, Real Time Route Clearing System for Ambulance in Emergency situation using Swarm UAV System, Enhance Visually Impaired Persons' Ability to realize the world through Electronic Assistance: Electronic Stick for the Blind were the innovative projects selected for **Regional Science Project, Poster** competition held in our college and sanctioned under exhibition scheme of DBT-CTEP cell of Department of Biotechnology Govt. Of India.
- c. **Seventeen students displayed their ideas on a platform of Science Fair**, an intercollegiate science Project and Poster competition supported under DBT funds held in our college, on 31<sup>st</sup> August 2019.

### 3. Extension Activity:

- a. Dr. Varsha M. Bapat was invited as a Design Mentor for Smart India Hackathon 2019 for

Hardware Edition under Surveillance and Security Section, held at IIT Roorkee ,organized by MHRD Innovation Cell during 6<sup>th</sup>-12<sup>th</sup> July 2019. Two teams under her guidance won 2<sup>nd</sup> and 3<sup>rd</sup> prize in this competition

- b. In-house Public Address System is updated and implemented in the college campus by Dr. Mrinalini Bhadane.
- c. Dr. Varsha M. Bapat was part of evaluation process for Smart India Hackathon online evaluation process under Smart cities section during April 2020

### 4. Staff Achievements:

**A. Degree of Ph.D.:** Department of Electronics, Savitribai Phule Pune University awarded **Mrs. Mrinalini Bhadane with Ph.D degree** on 3<sup>rd</sup> Feb 2020. Prof Suresh Gosavi guided her research. The title of the thesis is "Development of Passive Micromixer for Lab-On-Chip Application"

### B. Paper Publication:

- a. **Dr. Varsha M. Bapat presented a paper on "Use of Light Weight UAV in IoT based Animal Diversion System for Crop Protection"** at **International Conference Emerging Technologies: Micro to Nano 2019** during 16<sup>th</sup>-17<sup>th</sup> December 2019 at SPPU, Pune.
- b. **Mrs. Pradnya Pathakji:** Research paper titled "**Effect of Reflection and Absorption Properties of Materials in Designing Application Based Illumination System**" is published in the Journal of Emerging Technologies and Innovative Research. ISSN : 2349-5162) Journal No: 63975, Volume 6 Issue 5, May – 2019.

### C. Poster Presentation:

- a. Mrs. Vaishali Salunke presented a poster titled "**Study the Feasibility to use Fruit Waste for Electrical Energy Storage**" in an

**International Conference** “Emerging Trends –Micro to Nano , ETMN-2019” organized by Department of Electronics ,Savitribai Phule Pune University on 16<sup>th</sup> and 17<sup>th</sup> December 2019.

- b. Mrs. Pradnya Pathakji presented a poster at **International Conference** organized by Department of Electronics ,Savitribai Phule Pune university 'Emerging Trends from Micro to Nano-ETMN-2020' titled as “**Design of A Smart In-door Tunable Lighting System to Enhance Working Efficiency of People In Static Artificial Light Environment**”

#### D. Other Achievements

##### 1. Dr. Mrinalini Bhadane:

- a. **Invited** as a Judge for State level Project Competition at D.Y.Patil College of Arts, Science and Commerce, Pimpri on 29<sup>th</sup> January 2020.
- b. Completed **Swayam Online Refresher Course** on 'Big Data Analytics for Smart Grid'

##### 2. Dr. Varsha Bapat:

- a. **Invited as a resource for Guest Lecture on “ IOT in Healthcare applications” organized by Abasaheb Garware College, Pune on 21<sup>st</sup> December 2019.**
- b. Invited as a resource for Guest Lecture on “ IOT and applications” organized by Modern College, Shivajinagar, Pune on 17<sup>th</sup> February 2020.
- c. As a member of Board of Studies in Electronic Sc. SPPU, Pune , was involved in the design of Choice based Credit System F.Y.B.Sc (Computer Sc) and S.Y.B.Sc( Computer Sc) courses. She was also involved in F. Y. B.Sc (Comp.Sc) Electronics Practical Slip designing as an In charge.
- d. Dr. Varsha M. Bapat was appointed as a Board of Studies member for Electronics Subject at

Modern College Shivajinagar, Pune-5 from June 2019.

- e. Dr. Varsha M. Bapat has worked as a Judge for the event “ Assemble It” under the Interaction Event organized by Computer Sc. Department in January 2020.

##### 3. Mrs. Vaishali Salunke :

- a. Attended online webinar on “**Mobile based smart E-Content development for online teaching**” conducted during 15-25 April 2020 by Knowledge Bridge.
- b. Actively participated in a webinar on “**Advanced Outcome based Education ,Identifying weaker students and Remedial Actions**” on 9<sup>th</sup> May 2020 conducted by InPods Ed-tech .

4. **All the six members** of Electronics department have **attended a webinar on “Outcome based Education ”**on 4<sup>th</sup> April 2020 conducted by InPods Ed-tech .

5. Five members from Electronics have attended **the Hands on Training on “LMS System for Online Teaching and Learning management”** at organized by Mograsy Pvt. Ltd., Magarpatta City, Pune on 28<sup>th</sup> ,29<sup>th</sup> June 2019.

##### 5. Students' Achievement:

**Following students secured prizes in an Intercollegiate Project and Poster Competition:**

- a. **Ritesh Rai, Shubham Chavan and Lovepriti Singh of FY.B.Sc (Computer Science) won First prize in Intercollegiate Project competition** at Sarhad College of Arts, Science and Commerce College, Pune and **Third cash Prize** of Rs 5000 in **State level Science Project Competition** held at Jadhavar College of Science, Pune for their project titled **Air Pollution Detector** .
- b. Vishesh Malik, Mr. Laxminarayan Sharma, Mr. Prathamesh Kori won the **First prize** at

Ramkrishna More College in the Poster and Model Competition on theme of Science and Technology For Sustainable Development under DBT STAR College Scheme and **Third prize at Baburaoji Gholap College, Sangvi Pune** in 'Students Competition and Platform for Technological Challenges and Applications' for their Model of **Prototype of Automated Green House**.

- c. Gaurang Potdar, Vaishnavi Yedoni students of T.Y.B.Sc. Physics won **Second Prize** in Applied section of U.G. level, Regional Science Project and Poster competition, "ANUBHUTI" held in

our college under DBT CTEP scheme of exhibitions of DBT, Govt. of India on 5<sup>th</sup> February, 2020 for the project titled "Real Time Route Clearing System for Ambulance in Emergency situation using Swarm UAV System".

- d. Parth Jathar won **consolation prize** in inter-collegiate Poster competition, 'Science Fair' organized in Modern College Of Arts, Science and Commerce, Ganeshkhind, Pune.

**Prof. Vaishali Salunkhe**  
Head, Electronics Department



Students' participation in ANUBHUTI Regional Science Project and Poster Competition and Exhibition held on 5th February 2020



E-Techno Fair : Event supported under BSD scheme

## DEPARTMENTAL REPORT 2019-20

## PHYSICS

### Departmental Activities:

#### A. Workshop Under DBT:

Department organized Student's Winter Training Workshop under DBT STAR College scheme on "Basics of Nanoscience" from 31<sup>st</sup> January and 1<sup>st</sup> February 2020 for graduate and post graduate students. 40 students from various departments of different colleges attended this workshop. **Dr. Sunita Bhagwat**, Vice Prinipal and Head, Department of Physics, Abasaheb Garware College, **Dr. Deepti Sidhaye**, Department of Physics, SPPU, **Dr. Jyutika Rajwade**, ARI, **Dr. Shraddha Kelkar**, NCL

incubation Centre, **Dr. Anil Garje**, Department of Physics, S.P. College; **Dr. Pooja Rana**, **Mr. Mahendra Waghmare** and **Mrs. Chhaya Abnave**, Modern College, Ganeshkhind. **Dr. Pratibha Rao** Department of Physics was the coordinator for this workshop.

#### B. Guest Lecture:

- ◆ Department has organized a **guest lecture** on "Scope of Physics" on 13<sup>th</sup> August 2020 by **Dr. Vijay Raybaugkar**, Ex Principal, Silvasa College under DBT STAR College Scheme for all students of F.Y., S. Y. and T.Y. B.Sc.

- ◆ Department has organized a **guest lecture** on “ Upcoming Annular Solar Eclipses and Careers in Amateur Astronomy ” on 17<sup>th</sup> December 2019 under DBT STAR College Scheme for all students of F.Y., S. Y. and T.Y. B.Sc, B A (Geography) and F.Y Biotechnology. Mr. Mayuresh Prabhune, Khagol Vishava, Austro club, Pune was the speaker for this lecture.

### C. Study Tour:

- ◆ **A study tour was organized for students of F.Y. B. Sc.(General) and B,Sc Blended students to Morgaon under STAR STATUS scheme of DBT,Govt. of India on 11, Jan 2020.**
- ◆ **A study tour was organized for students of S.Y. and T.Y.B. Sc.(Physics) to Nehru Science Centre and Nehru Planetarium under STAR STATUS scheme of DBT, Govt. of India on 7<sup>th</sup> February 2020.**

### D. Sky Observations of Solar Eclipse (26<sup>th</sup>, 27<sup>th</sup> December 2019)

- ◆ Students of F.Y.B.Sc. and T.Y.B.Sc. (Physics) worked to take on field observations during solar eclipse on 26<sup>th</sup> December and day after the eclipse 27<sup>th</sup> December at observatory of Meteorology Department located in Agricultural College campus, Pune. Students measured changes in intensity of electromagnetic radiation in the sky during eclipse and normal day.

### E. Anubhutiand Science Exhibition under DBT

Students of FY, SY and TY participated enthusiastically in the science exhibitions. The projects on Water pollution, Li-Fi, Generation of Lissajous figures, Wave form generation through chanting of Shloka were appreciated.

### F. Physiqia- 2020

The “Talent Search Activity” Physiqia Was organized by the Department on 23<sup>rd</sup>, 24<sup>th</sup> and 25<sup>th</sup> Jan 2020 to improve the logical thinking, basic knowledge and interest in the subject. Different competitions like Physics Quiz,

Physics Puzzle, Physics fun game – Ludo and Cartoon making competition were organized. 50 students participated in these events. Mrs. Chhaya Abnave worked as coordinator of this activity.

### Staff achievements:

All staff attended Moodle Hands-on Training of 3-sessions organized by Modern College Ganeshkhind, Pune

Attended Vridhi Software training organized by the college. Staff attended various webinars during March –June 2010.

### Prof. Varsha Joshi

1. Attended MOOC course on 'Basics of Quantum Mechanics' conducted by Centre for Continuing Education, IIT Kanpur from 15 Aug to 18 Nov 2019.
2. Attended MOOC course on 'Advance course on Special Theory of Relativity' conducted by Centre for Continuing Education, IIT Kanpur from 26 January to 19 May 2020.
3. Attended MOOC course on 'Learning Physics Through Simple Experiments' conducted by Centre for Continuing Education, IIT Kanpur from 2 April to 10 June 2010.
4. Attended one day workshop on S.Y.B.Sc. Syllabus Framing of Choice Based Credit System (CBCS) at Annasaheb Magar Mahavidyalaya on 29<sup>th</sup> January 2020.
5. Worked as coordinator for Swaramadhuri State Level and University Level Music Competitions
6. Attended National Seminar on 'Intellectual Property Rights and Research Ethics' organized by Modern College Ganeshkhind, Pune on 27<sup>th</sup> and 28<sup>th</sup> February 2020.
7. Attended session on “e-content Development” on 10<sup>th</sup> April 2020 organized by Research center for English Language and Literature
8. Attended FDP on “Art of Research Paper Writing And IPR” organized by First Year

Engineering Department of PCET's Pimpri Chinchwad College of Engineering (PCCOE, Nigdi), Pune between 25th -27th May 2020.

9. Attended one day training programme in "ICT tools for Online Teaching" on 28th May 2020 conducted by Sanjivani College of Engineering, Kopergaon, District-Ahmednagar

### Mr. Mahendra Waghmare

1. Worked as coordinator of Distance Learning Centre at Modern College
2. Attended workshop on 'FTIR – Imaging and Laser Raman Imaging' on 3-4 June 2019 at IIT Bombay.
3. Attended MOOC course on 'Basics of Quantum Mechanics' conducted by Centre for Continuing Education, IIT Kanpur from 15 Aug to 18 Nov 2019.

### Dr. Pratibha Rao

1. Runner-up in Badminton singles, intercollegiate competition organized by Progressive Education Society.
2. Runner-up in Badminton doubles, intercollegiate competition organized by Progressive Education Society.
3. Attended session on "e-content Development" on 10<sup>th</sup> April 2020 organized by Research center for English Language and Literature.
4. Attended 9 days FDP on "भौतिकीयात्रा" organized by Department of Physics,

Saurashtra University, Department of Science and Technology, Govt. Of Gujarat (DST) from 21<sup>st</sup> to 29<sup>th</sup> May, 2020.

5. Completed 5 days FDP on "ONLINE teaching" organized by Satish Pradhan College, Thane, Mumbai from 30<sup>th</sup> May, 2020 to 3<sup>rd</sup> June, 2020.

### Mrs. Chhaya Abnave

1. Completed MOOC course on 'Basics of Quantum Mechanics' conducted by IIT Kanpur from 15 Aug to 18 Nov 2019
2. Attended National Webinar on "Research Publication skills ethics and misconducts" Organized by Department of Chemistry, Kumarguru College of technology, Coimbatore held on 15 May 2020.
3. Attended National Seminar on 'Intellectual Property Rights and Research Ethics' organized by Modern College Ganeshkhind, Pune on 27<sup>th</sup> and 28<sup>th</sup> February 2020.

### Student's Achievements:

1. Cadet Captain Aparna Parkhe and Shraddha Yadav of T.Y.B.Sc. participated in Advance Leadership Camp at Agartala (Tripura) from 17<sup>th</sup> to 28<sup>th</sup> November 2019. 2. Miss. Siddhi Londhe of T.Y.B.Sc., volunteered NSS activities held throughout the year and participated in COVID -19 awareness drive organized by college.

### Prof. Varsha Joshi

Head, Department of Physics



The department of Microbiology, believes in establishing a culture of excellence in academics and research. It provides maximum exposure to the students and staff members by means of organizing guest lectures, educational visits, workshops, seminars, symposia, encouraging participation in research projects, science exhibition and competitions for developing the students in every aspect. As a result our alumni are well placed in national and international research institutes, laboratories and industries.

**Skill Based Course/Workshop/Seminar organized:**

Sr. no	Title	Speakers	Registered participants	Duration and Dates
1	Physicochemical and microbial analysis of soil For SY B Sc	Mr. Mihir Thatte, Ms. Pranita Natesan, Mrs. Sneha Ogale, Dr. Neelima Kulkarni	39 (33 – MCASC, GK, 6 Other Colleges; 2 MCASC -SN, 2 Mahatma Phule, 2 MKSSS)	18,19, 20th June 2019
2	Skill based course on “Quality control in industries and laboratories”	Mr. Vishram Vaidya, Mrs. Medha Kulkarni, Mr. Mihir Thatte, Mr. Daspute, Mrs. Sneha Ogale, Dr. Neelima Kulkarni, Mrs. Gauri Bhagat, Dr. Gauri Phadke	18 (TY Students- 3 from Garware College)	04.07.2019 to 19.07.2019

**Skill Based Course/Faculty Development program/Workshop/Seminar attended by staff members:**

Sr. No.	Title	Participants	Registered participants	Duration and Dates
1	Learning management systems training workshop by VinSys IT Services at Amanora Town Centre.	10	Mrs. Anupama Sonawane, Dr. Neelima Kulkarni, Mr. Prasad Deshmane, Mrs. Gauri Bhagat, Dr. Manasi Tukdeo, Dr. Gauri Phadke, Dr. Kirti Dahigaonkar, Dr. Ashwini Kulkarni, Ms. Yogini Kanade, Mrs. Prajakta Taple.	29.06.2019
2	Training Program on “ How to access J-Gate Basic Science Database” organized by Central library	3	Dr. Manasi Tukdeo, Dr. Gauri Phadke, Dr. Kirti Dahigaonkar.	06.07.2019
3	FDP on “Teaching Skills”	4	Mrs. Gauri Bhagat, Dr. Manasi Tukdeo, Dr. Gauri Phadke, Dr. Kirti Dahigaonkar.	3 days- 11, 12 and 13 July 2019

4	RBPT workshop organised by IISER and Madan Mohan Malaviya Institute for faculty development	1	Ms. Yogini Kanade	
5	Manav Human Atlas	1	Dr. Gauri Phadke	20-31 May 2019
6	Project Workshop DBT sanctioned Science Fair 2019	13	Mrs. Sneha Ogale (In-charge: Coordination Committee for Poster/ Project/ Model display), Mrs. Anupama Sonawane, Dr. Neelima Kulkarni, Mr. Prasad Deshmane, Mrs. Gauri Bhagat, Dr. Manasi Tukdeo, Mrs. Trupti Kulkarni, Dr. Gauri Phadke, Dr. Kirti Dahigaonkar, Dr. Ashwini Kulkarni, Ms. Yogini Kanade, Mrs. Prajakta Taple, Ms. Shruti Deshpande.	30.08.2019
7	Orientation Program for Staff	13	Mrs. Sneha Ogale, Mrs. Anupama Sonawane, Dr. Neelima Kulkarni, Mr. Prasad Deshmane, Mrs. Gauri Bhagat, Dr. Manasi Tukdeo, Mrs. Trupti Kulkarni, Dr. Gauri Phadke, Dr. Kirti Dahigaonkar, Dr. Ashwini Kulkarni, Ms. Yogini Kanade, Mrs. Prajakta Taple, Ms. Shruti Deshpande.	13.09.2019
8	National Conference on Best Practices in Education at PES Auditorium	13	Mrs. Sneha Ogale(Convenor: Registration Committee), Mrs. Anupama Sonawane, Dr. Neelima Kulkarni, Mr. Prasad Deshmane, Mrs. Gauri Bhagat, Dr. Manasi Tukdeo, Mrs. Trupti Kulkarni, Dr. Gauri Phadke, Dr. Kirti Dahigaonkar, Dr. Ashwini Kulkarni, Ms. Yogini Kanade, Mrs. Prajakta Taple, Ms. Shruti Deshpande.	26.07.2019
9	Faculty Development Programme on “ Train the trainers” conducted by UGC HRDG, SPPU under scheme of Madan Mohan Malaviya	1	Dr. Neelima Kulkarni and Teaching	17.02.2020 to 26.02.2020
10	National Mission on Teachers Webinar on “Fundamentals of Outcomes Based education”, by Mr. Ajay Bhagwat, organized by InPods Ed-tech.	11	Mrs. Sneha Ogale, Dr. Neelima Kulkarni, Mr. Prasad Deshmane, Mrs. Gauri Bhagat, Dr. Manasi Tukdeo, Dr. Gauri Phadke, Dr. Kirti Dahigaonkar, Dr. Ashwini Kulkarni, Ms. Yogini Kanade, Mrs. Prajakta Taple, Ms. Shruti Deshpande.	04.04.2020
11	Webinar on “How to read	1	Mrs. Prajakta Taple	09.04.2020

	scientific literature and an introduction to MANAV : The human atlas initiative, organized by NCCS, IISER-Pune and Persistent LABS,			
12	Pune Webinar under Paramarsh on “ Assessment and accreditation : A revised accreditation framework” , organized by	2	Dr. Neelima Kulkarni, Mr. Prasad Deshmane	13.04.2020 to 16.04.2020
13	IQAC Cluster India. Webinar on “Moodle Hands on training”, Conducted by Mr. Amol Patil, MCASC GK, Pune	7	Mrs. Sneha Ogale, Mrs. Gauri Bhagat, Dr. Gauri Phadke, Dr. Kirti Dahigaonkar, Dr. Ashwini Kulkarni, Mrs. Prajakta Taple, Ms. Shruti Deshpande.	15.04.2020
14	Webinar on “ Designing Online Learning Activities: Best Practices for University Educators”, organized by Open Learning Malaysia.	2	Mrs. Sneha Ogale, Dr. Kirti Dahigaonkar	16.04.2020

#### Syllabus Implementation Workshops attended by Staff Members:

Sr. no.	Title	Organized At	Registered participants	Duration and Dates
1	Syllabus Implementation workshop for F Y B Sc	Abasaheb Garware College	Mrs. Sneha Ogale, Mrs. Anupama Sonawane, Mr. Prasad Deshmane	20.07.2019
2	Syllabus Implementation workshop for M Sc I	Abeda Inamdar Senior College	Dr. Neelima Kulkarni, Mr. Prasad Deshmane, Dr. Manasi Tukdeo, Dr. Kirti Dahigaonkar	26.07.2019- 27.07.2019

**Educational and Industrial Visits: were arranged to:** Someshwar sugar factory (FYBSc and SYBSc) and Empress Garden for SYBSc, IISER and Warana Milk and Milk Products Pvt Ltd. for TYBSc, NCMR (MSc I), PMC Sewage Treatment Plant, IISER and NCCS for M Sc II,

#### Guest lectures organized:

Sr. no.	Resource Person	Topic	No. of students benefitted	Target Audience	Dates
1	Mr. Rohit Joshi, Venkys	Chicken embryo fibroblast culture and applications	47	M Sc II	18.09.2019
2	Mr. Gaurav Godse	Fire safety	47	M Sc II	04.01.2020

## Student participation in Guest lectures organized outside college:

Sr. no.	Resource Person	Topic	No. of students benefitted	Target Audience	Dates
1	Dr. Yogesh Shouche, NCMR-NCCS.	Making health and Wealth from microbes	23	M Sc I	24.08.2019

## Guest lectures attended:

Sr.No	Resource Person	Organized By	Topic	Dates
1	Ramnadi Restoration Mission, Kirloskar Vasundhara Members	Kirloskar Vasundhara	Ramnadi Restoration Mission	09.09.2019
2	Annular Solar eclipse by Mr. Mayuresh Prabhune of Khagol Vishwa	Department of Physics	Annular Solar eclipse	17.12.2019
3	Mr. Sunil Limaye, Dr. Ajay Deshmukh, Dr. Sadanand Raut, Mr. SubhashBadve, Mr. Anirudh Chaoji, Dr. SachinPunekar	Kirloskar Vasundhara Foundation, and Department of Botany	Human and Wildlife Conflict : Concerns and resolution	06.01.2020
4		Department of Chemistry	Career Opportunities Abroad focused on Scholarships for Higher Education.	07.01.2020

## DBT Sponsored Science Fair 30.08.2019

Sr. No.	Models by students	Projects by students	Total number of student Participants
1	12	11	71

## Staff achievements:

- Mrs. Sneha Ogale: Presented an OER (online course) developed by her on 'Biofertilizer Production' based on the UN Sustainable Development Goals, in the **International Workshop: Open Education Design Workshop** at Vipava, Slovenia from 1/07/2019 to 4/07/2019, organized by University of Nova Gorica and UNESCO Chair, Josef Stefan Institute, Slovenia under the banner of Open Education for a Better World (OE4BW): <http://oe4bw.ijs.si/projects/>
- Five Posters were presented at **State level seminar** on "Trends in life sciences 2020" on 31<sup>st</sup> January 2020 at Annasaheb Magar Mahavidyalay.

Sr.No.	Title of poster	Corresponding author	Participating students
1	Bioelectricity production from various wastes ( <b>First Prize in Environmental Science category</b> )	Dr. Kirti Dahigaonkar	1. Bhagyashree Nipunage, 2. Poonam Sukhdeve, 3. Nikita Bankar
2	Effect of altered solar radiations on microbes during annular solar eclipse Dec 2019 ( <b>Third Prize in Microbiology Category</b> )	Dr Kirti Dahigaonkar, Dr Ashwini Kulkarni	4. Prajakta Kshirsagar, 5. Rucha Joshi, 6. Stutee Panse,

3	Science behind Indian Traditional Knowledge	Dr Kirti Dahigaonkar, Dr Ashwini Kulkarni	7. Anagha Tulse, 8. Vikrant Jadhav
4	Development and application of bacterial consortium for solid waste management	Dr Kirti Dahigaonkar, Dr Ashwini Kulkarni.	9. Aishwarya Kore, 10. Pragati Pawar, 11. Aditi Malekar, 12. Supriya Bhalchim
5	Mutations caused by UV radiations	Mrs. Gauri Bhagat	Gaurav Rai

3. Two Posters presented at **State level conference** on “Current Status of River water in Pune with reference to Pollution management and restoration” on 3<sup>rd</sup> and 4<sup>th</sup> February 2020 at H V Desai College.

Sr. No.	Title of poster	Corresponding author	Participating students
1	Culturable bacterial diversity of Ramnadi water and study of mutualism with native plants	Dr Kirti Dahigaonkar	1. Ganesh Aware 2. Rutuja Paigude, 3. Shreya Kulkarni
2.	Antimicrobial resistance studies of Ram river in Pune City	Dr Ashwini Kulkarni	Samir Shinde

4. Poster presented at **National conference** on “Phage: a boon in disguise” on 17<sup>th</sup> and 18<sup>th</sup> January 2020 at AbedaInamdar Senior College.

Sr. No.	Title of poster	Corresponding author	Participating students
1	Screening and optimization of bioemulsifier production by <i>Streptomyces spp.</i> ( <b>First prize</b> )	Dr Neelima Kulkarni	Mayuri Patil Shweta Waghole, Sayali Patil

5. Seven Posters presented at **International conference** on “Biotechnology : Perspectives and Challenges” on 14<sup>th</sup> and 15<sup>th</sup> January 2020 at Modern College, Ganeshkhind, Pune 16

Sr. No.	Title of poster	Corresponding author	Participating students
1	Isolation of pigment producing bacteria and characterization of the pigments produced	Mrs. Sneha Ogale	SawaniKarandikar Vaishnavi Taple
2.	Biodegradation of plastic	Mrs Anupama Sonawane	Shraddha Rana
3.	Screening and Optimization of Bioemulsifier production by <i>Streptomyces</i> sp. B3 (2)	Dr. Neelima Kulkarni	Mayuri Patil Shweta Waghole, Sayali Patil
4.	Screening of chitinolytic bacteria to explore their potential in fungal biocontrol	Mrs Gauri Bhagat	Ms. Priyanka Parate
5.	Plant growth promoting activity of keratin degrading <i>Bacillus cereus</i> ( <b>Consolation Prize</b> )	Dr, Manasi Tukdeo	Prasad Memane

6.	Microbial diversity of Ramnadi	Dr. Kirti Dahigaonkar	Ganesh Aware
7.	Isolation and characterization of pigment producing fungi	Dr. Ashwini Kulkarni	Titiksha Chavan Saurabh Devkate

## Students Achievements:

Sr.no.	Name of the student	Class	Details of achievements
1	Aditi Padile and Gloriya Rocha	F. Y. B. Sc.	<b>Second Rank in 19<sup>th</sup> National level MicrobiOlympiad</b> organized by Department of Microbiology, Government Institute of Science, Aurangabad on 15 February 2020.
2	Sawani Karandikar And Rutuja Sawairam	M Sc. II	<b>First prize</b> in DBT-STAR ppt presentation competition .topic – applications of Mathematics in biology 28th dec 2019. Organised by Mathematics department, PES Modern College, Ganeshkhind .
3	Rutuja Sawairam	M Sc II	Participated in workshop cum training on Novel Synthesis and Biofunctionalisation of Nanoparticles for anticancer activity , an IIT Madras event in association with www.makeintern.com on 13 and 14 December 2019.
4	Rutuja Sawairam	M Sc II	Participated in Two day Winter training program on “ Basics of Nanosciences” organized by Department of Physics, Modern College of Arts , Science and Commerce, Ganeshkhind , Pune 16.
5	Rutuja Sawairam and Sumit Mandle	M Sc II	Attended advanced training program in “ Fermentation Technology and Food technology” at Rapture Biotech from 11 November to 23 November 2019.
6	Aditi Malekar	Msc. I	Research paper published in international journal of pharmacy and biological sciences. Conference Organised by tc college Baramati.Topic – invitro evaluation of antibacterial potential of cocciniagrands against human pathogens Work done at Dayanad college , Solapur Publication in june 2019
7	Aditi Malekar Aditi Malekar, Saurabh Kadam and Sumedh Kamble	M sc. I M Sc I	International level rotary art olympiad won first prize in college group in a competition having 30000 paintings submitted through out the india . Artwork was selected for arts exchange prog and painting was exhibited at usa England , argentina , hungary , Australia and india. Organised by ROTARY ART, pune Dayanand shreepuraskar 2019. Achievement for all rounder best student of college. ( received in feb 2019) Selected as best content by readers choice and awarded as author of the week by story mirror, international platform for writers. Also selected as literacy captain (editor) in the army of literacy warrior at story mirror. story mirror is international platform for writers

			Third prize in District level article writing contest organized by ABVP Solapur on 12 <sup>th</sup> April 2020. Poetry was broadcasted on YouTube and BR News Channel on topic “ Coronavirus”
8	Vinay Naik	M sc. I	<b>Guinness world record</b> longest single line bicycle parade, by Hubbali bicycle club Karnataka
9	Vinay Naik Saurabh Kadam and Sumedh Kamble	M sc. I M Sc I	Solo bicycle expedition of 39 days Kanya kumari to leh-Ladakh khardong-La-top ( world' s highest motor (able road) 4800km Applied for India book of record.(2017) Poetry recitation on Vidyawani 107.4 FM on 4 <sup>th</sup> March 2020. Theme of the program was Introduction of new poets to the society.
10	Saurabh Kadam	M Sc I	Second prize in Marathi poetry recitation in Vividha 2020.
11	Sumedh Kamble	M Sc I	Second prize in Hindi poetry recitation in Vividha 2020.
12	Aditi Jadhav	M Sc I	First prize in Modern Chef Competition in Vividha 2020.
13	Dhaval Shejval	S. Y. B. Sc.	<b>Awarded as creative microbiologist in MicroBioCanvas</b> organized by Department of Microbiology, Government Institute of Science, Aurangabad on 31 January 2020.
14	Ameya Jagtap Shreya Sontakke	S. Y. B. Sc.	<b>Bronze medal</b> in Poster competition Botanica. Organised by Wadia college, Pune
15	Shreya Sontakke	S. Y. B. Sc.	Painting competition in Botanica Organised by Wadia college, pune
16	Rigzinnorboo	F. Y. B. Sc.	<b>Attended republic day camp -2019</b> Prime minister rally 27th jan. 2019(Gen. Cariappa parade ground ) B certificate in NCC( Bravo Grading )
17	Gloriya Rocha, Varad Bokil, Bhagyashree Honwad, Amulya Parab	F. Y. B. Sc.	Participated at GMRT (Giant Metrewave Radio Telescope) Science day exhibition held on 28 and 29 February 2020 at Khodad (Taluka : Junnar) Observatory.

**Participation in Anubhuti (Regional Science Project and Poster Competition) conducted on 5<sup>th</sup> February 2020 under DBT-CTEP Scheme of Science Exhibitions, DBT, Gov. of India:**

**A. Departmental and College level**

Sr. No.	Type	Title	Names of Students	Class	Name of Guide
1	Project	Isolation of <i>E-coli</i> mutants induced by U.V light	1. Gaurav Rai 2. Sachin Bomen 3. Mithil Bochgire 4. Mayuri Pawar	S.Y.B.Sc	Mrs.Gauri Bhagat.
2	Project	Food Spoilage Fungi	1. Saloni Divekar 2. Diksha Nalage 3. Shreya Nair	S.Y.B.Sc	Mrs.Anupama Sonawane
3.	Project	Skin Microflora	1. AtharvaWakharkar 2. Medhansh Kotian	S.Y.B.Sc	

4	Project	"Grain - Gain"	1.Ashwin Deekonda 2.Neha Mahadik 3.Akanksha Dhende	S.Y.B.Sc	Mrs.Gauri Bhagat
5	Project	Immediate effect of solar radiations on microbes during annular solar eclipse Dec 2019	1.Stutee Panse, 2.Prajakta Kshirsagar 3.Rucha Joshi	M.Sc. I	Dr. Kirti Dahigaonkar, Dr. Ashwini Kulkarni
6	Project (2 <sup>nd</sup> Prize-PG Life Sciences category)	Bacterial pigments (2 <sup>nd</sup> Prize-PG Life Sciences category)	1. SawaniKarandikar 2. Sana Maniyar 3. Vaishnavi Taple	M.Sc II	Mrs. Sneha Ogale
7	Project	Bioelectricity production from various wastes.	1.Bhagyashree Nipunage 2.Nikita Bankar 3.Poonam Sukhdeve	M.Sc II	Dr. Kirti Dahigaonkar
8	Project	Culturable microbial diversity of Ramnadi water with special reference to plant microbe interactions.	1.Ganesh Aware 2.Rutuja Paigude 3.Shreya Kulkarni	M.Sc II	Dr. Kirti Dahigaonkar
9	Project	Study of antibacterial activity of jamun leaf extract and its applications.	1.Snehalata Devkar 2. SurabhiGarje	M.Sc.II	Dr. Gauri Phadke
10	Project	Isolation of hydrocarbon degrading microorganisms and their application in bioremediation	1.Omkar Khedekar 2.Anil Bansode	M.Sc. II	Dr. Gauri Phadke
11	Project	Plant growth promoting activity of keratin degrading <i>Bacillus cereus</i>	1.Prasad Memane	M.Sc. II	Dr. Manasi Tukdeo
12	Project (1 <sup>st</sup> prize-PG Life Sciences category)	Production, characterization and biotechnological application of exopolysaccharide produced by halophilic bacteria	1.Pranali Meher 2.Gauri Tungikar	M.Sc.II	Dr.Snehal Kulkarni (NCCS), Mrs. Sneha Ogale (Internal guide)

**B. Total No. of Participants: 13 (UG 5 + PG 8)**

**C. Poster Competition**

Sr. No.	Type	Title	Names of Students	Class	Name of Guide
1	Poster	Microorganisms in space	1.Gloriya Rocha 2.Bhagyashree Honwad	F.Y.B.Sc	Dr. Manasi Tukdeo
2	Poster	Corona Virus	1.Shruti Raut 2.Nikita Gaikwad 3.Shrutika Nevase	F.Y.B.Sc	

3	Poster	A MicroBeeal aspect	1.Dhaval Shejwal 2.Jwalanthi Sundaram 3.Shruti Ghaisas 4.Sujala Kulkarni	S.Y.B.Sc	Mrs. Prajakta Taple
4	Poster	World of Microbes	1.Samrudhi More 2.Tanvi Bahirat	TYBSc	Mrs. Gauri Bhagat
5	Poster	Brain Gate	1.Rutuja Savairam 2.Sumit Mandle 3.Bhavna Rathor	M.Sc II	Dr. Manasi Tukdeo

**Total No. of Participants: 5 (UG 4 + PG 1) Model Competition**

Sr. No.	Type	Title	Names of Students	Class	Name of Guide
1	Model	Motility	1.Rutuja Savairam 2.Gauri Tungikar	M.Sc II	Dr. Manasi Tukdeo
2	Model	Corona Virus	1.Rutuja Savairam 2.Gauri Tungikar	M.Sc II	Dr. Manasi Tukdeo

**Total No. of Participants: 2 (UG 0 + PG 2) Regional Competition - Project Competition**

Sr. No.	Type	Title	Names of Students	Class	Name of Guide
1	Project	Isolation of <i>E-coli</i> mutants induced by U.V light	1.Gaurav Rai 2.Sachin Bomen 3.Mithil Bochgire 4.Mayuri Pawar	S.Y.B.Sc	Mrs.Gauri Bhagat.
2	Project	Food Spoilage Fungi	1.Saloni Divekar 2.Diksha Nalage 3.Shreya Nair	S.Y.B.Sc	Mrs.Anupama Sonawane
3.	Project	Skin Microflora	1.Atharva Wakharkar 2.Medhansh Kotian	S.Y.B.Sc	
4.	Project	“Grain - Gain”(First Prize in UG section)	1.Ashwin Deekonda 2.Neha Mahadik 3.Akanksha Dhende	S.Y.B.Sc	Mrs.Gauri Bhagat
5.	Project	Immediate effect of solar radiations on microbes during annular solar eclipse Dec 2019	1.Stutee Panse, 2.Prajakta Kshirsagar 3.Rucha Joshi	M.Sc. I	Dr.Kirti Dahigaonkar, Dr.Ashwini Kulkarni
6.	Project	Isolation of Pigment producing Bacteria and characterization of pigments produced (Second prize PG level)	1. SawaniKarandikar 2. Sana Maniyar 3. Vaishnavi Taple	M.Sc II	Mrs. Sneha Ogale
7.	Project	Bioelectricity production from various wastes.	1.Bhagyashree Nipunage 2.Nikita Bankar 3.Poonam Sukhdeve	M.Sc II	Dr.Kirti Dahigaonkar

8.	Project	Plant growth promoting activity of keratin degrading <i>Bacillus cereus</i>	1.Prasad Memane	M.Sc. II	Dr. Manasi Tukdeo
9.	Project : (1 <sup>st</sup> prize- PG Life Sciences category)	Production, characterization and biotechnological application of exopolysaccharide produced by halophilic bacteria (Prize winner)	1.Pranali Meher 2.Gauri Tungikar	M.Sc.II	Mrs. Sneha Ogale Dr.Snehal Kulkarni

**Total No. of Participants: 9 (UG 4 + PG 5) Poster Competition**

Sr. No.	Type	Title	Names of Students	Class	Name of Guide
1	Poster	Microorganisms in space	1.Gloriya Rocha 2.Bhagyashree Honwad	F.Y.B.Sc	Dr. Manasi Tukdeo
2	Poster	Corona Virus	1.Shruti Raut 2.Nikita Gaikwad 3.Shrutika Nevase	F.Y.B.Sc	Mr. Prasad Deshmane
3	Poster	A MicroBeeal aspect	1.Dhaval Shejwal 2.Jwalanthi Sundaram 3.Shruti Ghaisas 4.Sujala Kulkarni	S.Y.B.Sc	Mrs. Prajakta Taple
4	Poster	World of Microbes	1.Samrudhi More 2.Tanvi Bahirat	TYBSc	Mrs. Gauri Bhagat
5	Poster	Brain Gate	1.Rutuja Savairam 2.Sumit Mandle 3.Bhavna Rathor	M.Sc II	Dr. Manasi Tukdeo

**Total No. of Participants: 1 (UG 0 + PG 1 ) Alumni Achievements:**

Sr. no.	Student Name	Year of passing	Achievement
1	Ms. Rashmi Chotaliya	2011-12	Qualified CSIR- NET and SET
2	Tanay Bhagwat	2016-17	Joined Northeastern University
3	Sanchita Gramopadhye	2017-18	CSIR UGC NET JRF JUNE 2019 all india rank 29, Qualified SET conducted June 2019, Gate 2019 life sciences all india rank 1651
4	Asmita Bambole	2017-18	Qualified GATE 2019, Qualified CSIR UGC NET JRF JUNE 2019

1) Students participated in **19<sup>th</sup> National Level Microbiological Contest MicroBioOlympiad** on 51<sup>st</sup> January 2020 conducted by Government Institute of Science, Aurangabad.

Students participated in **19<sup>th</sup> National Level MicroBioCanvas** conducted by Department of Microbiology and Biotechnology, R. C. Patel Arts, Commerce and Science College, Shirpur.

No	Class	Appeared	Comment
1	SYBSc	1	Dhaval Shejwal awarded as " Creative Microbiologist"

**Extra Curricular activities: Staff participation**

1. All Staff sent Rakhis to Soldiers
2. All Staff done tree Plantation
3. An Staff attended work Life Balance and Parenting organized by Psychology Department
4. Mrs. Gauri Bhagat Won first Prize in Modern chef.

**Prof. Sneha Ogale**  
Head, Microbiology Department



**DEPARTMENTAL REPORT** 2019-20

**MATHEMATICS**

**Student's Achievement:**

- 1) Our M.Sc. Part – I students Mr. Digambar Nimbalkar and Mr. Sharad Ghadge won second prize in intercollegiate event of poster competition on “ Applications of Mathematics” organized by Department of Mathematics MIT Arts , Commerce and Science College , Alandi [D] , Pune held on 24<sup>th</sup> December 2019.
- 2) Our M.Sc. Part – I students Miss. Rajgauri

Karbhal and Mr. Sharad Ghadge won second prize in regional competition “Anubhuti” in poster competition on “ Magic of Pascal's Triangle” organized by P.E.S ociety's Modern College of Arts , Science and Commerce , Ganeshkhind, Pune under “DBT-CTEP Scheme of Science Exhibition” on 5<sup>th</sup> February 2020.

- 3) Our F.Y.B.Sc. (Computer Science) students Abhijeet Phate, Omkar Totre, Aman Giri, Suraj

Pawar won First prize in regional competition "Anubhuti" in Model Making competition on "Steiner Tree Problem" organized by P.E. Society's Modern College of Arts, Science and Commerce, Ganeshkhind, Pune under "DBT-CTEP Scheme of Science Exhibition" on 5<sup>th</sup> February 2020.

- 4) Our two F.Y.B.Sc. General students Nimje Sakshi and Rohini Patilhas participated in National Level Research project Competition at GogteJoglekar College Ratnagiri.
- 5) Total 9 students participated in National Level 'Madhava" Competition arranged at S.P.College, Pune.

### Staff Achievement :

- 1) Swati Kandharkar, Mrs. Shamal Deshmukh, Mrs. Jayshree Jain, Mrs. Pratibha Pawar has attended one day LMS training programe on "Mograsis" on 29<sup>th</sup> June 2019 at Hadapsar, Pune
- 2) Jayshree Jain (with 80.82%, A Grade) and Mrs. Pratibha Pawar (with 82.82%, A Grade) successfully completed on-line Refresher course on "Teachers and Teaching in Higher Education" on Swayam.
- 3) Jayshree Jain was resource person at one day workshop on "Mathematics Skill Development Workshop" organized by S.M. Joshi college, Hadapsar, Pune from 10.00 am to 4.00 pm on 17<sup>th</sup> September 2019
- 4) Jayshree Jain has completed one week Faculty Development program on ICT tools for effective Teaching Learning from 11-16 May 2020 organized by Swami Ramanand Tirth Marathwada University, Nanded.
- 5) Jayshree Jain, Mrs. Pratibha Pawar, Ms. Jayashree Shinde and Ms. Prajacta Talole has conducted Covid 19 awareness Quiz for students and also syllabus based quizzes for students through Moodle.
- 6) Swati Kandharkar, Mrs. Shamal Deshmukh, Mrs. Jayshree Jain and Mr. Satish Jadhav participated in S.Y.B.Sc. (Computer Science)

/S.Y.B.Sc / M.Sc syllabus revision workshop at Garware college, Pune on 7<sup>th</sup> March 2020

- 7) Shamal Deshmukh has successfully completed a) Online short term Training Program "Matlab based Teaching-Learning in Mathematics" from 18 to 22<sup>nd</sup> May 2020 b) "FDP on Evolution from offline to online teaching" from 30<sup>th</sup> May to 3<sup>rd</sup> June 2020.
- 8) Swati Kandharkar, Mrs. Shamal Deshmukh and Mrs. Pratibha Pawar has attended one day National Workshop on "Innovation and Best Practices In Higher Education" on 26<sup>th</sup> July 2019.
- 9) Swati Kandharkar, Mrs. Shamal Deshmukh, Mrs. Jayshree Jain, Mrs. Mrs. Jayshree Jain attended one day workshop on "Maxima software" and syllabus discussion in Mathematics on 20<sup>th</sup> July 2019 at Modern College Shivajinagar, Pune
- 10) Pratibha Pawar, Mr. Satish Jadhav, Ms. Sangita Choudhary has attended two day workshop on "Python Programming for B.Sc.(Computer Science) and B.Sc.(General) SPPU teachers" at Modern college, Shivajinagar, Pune on 17<sup>th</sup> and 18<sup>th</sup> January 2020.
- 11) Pratibha Pawar has attended one day Faculty Development Program on "ICT Tools for online Teaching" on 19<sup>th</sup> May 2020.
- 12) Swati Kandharkar participated in F.Y.B.Sc./S.Y.B.Sc (Blended) Syllabus revision workshop at Department of Environmental Sciences SPPU, Pune on 11<sup>th</sup> February 2020.

### Departmental Activities :

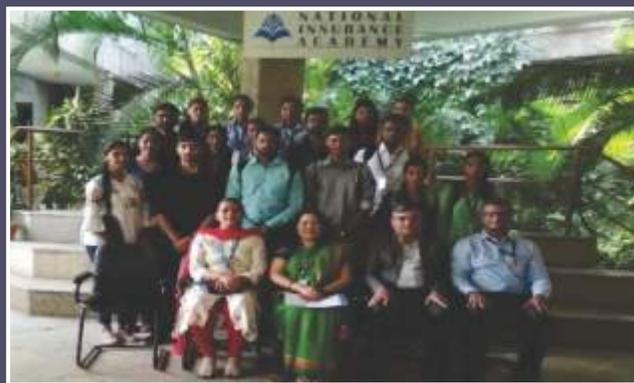
- 1) From this academic year 2019-20 post graduate course M.Sc. (Mathematics) started.
- 2) Arranged Skill Development certificate course on "Vedic Mathematics" for all faculty students under DBT STAR College Scheme. Total 17 students participated in this course. Mrs. Jyotikajale was the resource person. This activity was coordinated by Mrs. Pratibha Pawar.

- 3) Arranged guest lecture on “Music and Mathematics” on 28/01/2020 at 12.00 noon. The resource person was Dr. Kedarnath Awati, Former Director , Film and Television Institute of India , Pune. Total 52 students have attended this program. Felicitation of toppers in Mathematics was arranged at the hands of Dr. Awati.
- 4) Arranged guest lecture on “Convergence of sequences by using Maxima software” in 21<sup>st</sup> December 2019. The resource person was Dr. Kalyanrao Takale, Associate Professor, RNC Arts, JDB Commerce & NSC Science College, Nashik. Total 56 students have attended this programe.
- 5) Release 5<sup>th</sup> issue of our departmental magazine 'Pramey’ on 28/01/2020. This year our theme was “Mathematics in Sports”. Our faculty member Jayashree Shinde and students Sarathi Kulkarni, Pruthvi Katote ,Pranay Shukla, Pravin Chandora from S.Y.B.Sc. , Mahesh Raut S.Y.B.Sc.(Computer Science) and Siddhi Kale from F.Y B.Sc. (Computer Science) worked as Editorial committee members.
- 6) Under “Mathematics Club” we have conducted the “Question of the Week” activity between 29 July 2019 to 11 January 2020. Total 08 questions were displayed for all faculty students to solve. This activity was coordinated by our faculty member Mr. Satish Jadhav.
- 7) Organized “DBT Power Point Presentation” competition on “Applications of Mathematics in Biology ” for our Under graduate and post graduate students on 28<sup>th</sup> December 2019 . Total 18 students participated in this competition. Our faculty member Mrs. Jayshree Jain has coordinated this activity.
- 8) “Mathematical Hockey” was organized for F.Y /S.Y.B.Sc. (Computer Science) students on 25<sup>th</sup> January 2020. Mrs. Pratibha Pawar coordinated this activity.
- 9) “Mathematics Quiz” was organized for F.Y/S.Y/T.Y.B.Sc. (General) students on 25<sup>th</sup> January 2020. Ms. Prajakta Talole coordinated this activity.
- 10) Study tour of our T.Y.B.Sc. and M.Sc.-I (Mathematics) students was organized at National Insurance Academy, Pune on 7<sup>th</sup> December 2019 . Our faculty member Jayshree Jain coordinated this activity.
- 11) Under DBT STAR College Scheme “C- Programming Certificate course” is conducted for T.Y.B.Sc. (Mathematics) students. Mrs. Ranjana Shevkar from Computer Science department of our college has conducted this course.

**Prof. Swati Kandharkar**  
Head, Mathematics Department



Release of Departmental Magazine “Pramey”



Guest Lecture by Dr. Kedarnath Awati

This year First batch of Undergraduate with Statistics as Principal subject started in the Department. Total 25 students took the admission for T. Y. B.Sc. (Statistics) Departmental activities:-

❖ PUSA Quiz:-

Pune University Statistics Association (PUSA) conducted a quiz for F. Y. B.Sc. (Gen), F.Y. B.Sc.(Comp. Sci) and S. Y. B. Sc.(Gen) on 17<sup>th</sup> January 2020.

Sr. no.	Class	No. of participants	Toppers
1.	F. Y. B.Sc. (Gen)	27	1) Chandavale Sairam 2) Koli Dhanesh
2.	S. Y. B.Sc. (Gen)	15	1) Kondubhairy Nikhil 2) More Kiran
3.	F. Y. B. Sc. (Comp)	39	1) Kale Siddhi 2) Wankar Piyush

❖ Workshop:

Department of statistics and Vidyarthi Vikas Mandal (Modern College, Ganeshkhind) organized one day workshop on “Hands on Training Program on Python” on 3<sup>rd</sup> February, 2020. Dr. Sachin Adnaik (Data Analytics and Corporate Trainer) and Mr. Rohit Adnaik (Partner) graced as a **Resource Person**. **44 participants were benefited by the workshop.**

1) Students' Achievements:

'Anubhuti'-science exhibition :- In all 5 projects done by S.Y. and T.Y.B.Sc., students were

displayed. Following are the projects:

1 **Best Eleven for Upcoming T-20 World Cup**

- 1) Shinde Akshay      2) Maind Sudhakar  
3) Padavi Dipali      4) Kamble Ruchita

2 **Concept map of “Data Science”**

- 1) Hodshil Rushikesh      2) Patil Ajinkya  
3) Ghatage Ritiek

3 **Data Analysis on Effect of Zinc Particles in Seed Germination**

- 1) Gaikwad Seema      2) Sharma Pragati  
3) Shinde Rutuja      4) Gavhane Gitanjali

4 **Significant Effects of Earthquake on Human Life**

- 1) Linge Shraddha      2) Surve Nikita

5 **Prediction of Performance of Virat Kohali and Steve Smith in 2023**

- 1) Katote Pruthvi      2) Chandora Pravin  
3) Shukla Pranay      4) Kulkarni Sarathi

**Participation in project presentation:**

- Linge Shraddha T.Y.B.Sc. (Statistics) participated in project

**Presentation competition.**

- 14 students of T.Y.B.Sc. (Statistics) participated in the seminar on “Importance of Insurance and Risk Management” organized by National Insurance Academy, Pune which was conducted on

7<sup>th</sup> December, 2019

**Prof. Rajashree M. Umarani,**  
Head, Department of Statistics

DEPARTMENTAL ACTIVITIES

1) **Conserve the mother Earth** was the one day interaction for the students of **S.Y.B.Sc.** with school going children of rural areas. This program was an initiative taken for the

conservation of mother earth and its wildlife. The event was organized by **Department of Zoology**, Modern College, Ganeshkhind, Pune-16 under the **DBT Star College Scheme**. This included the visits to schools of the rural areas

situated around Pune. The students of remote rural areas were able to understand the concept and importance of wildlife conservation. During the entire session our students delivered the knowledge regarding the **conservation of wildlife** at various aspects. They have explained it through PowerPoint presentations, small documentaries, participatory interactions and games as well. The participant group were the students exclusively from the second year which were accompanied by 6 Staff of Department of Zoology. Our students were allowed to interact with students of Mamasahab Mohol School, Lawarde and Shri Chatrapati Shivaji School, Paud.

**Date and Day of Programe: 1/1/2020, Friday**

**Beneficiaries: 25**

**2) Workshop with Yashada:** In this workshop students got opportunity to gain the knowledge and experience from Indian Forest Service officers, Government of India as well as officers of Government of Maharashtra, Professors from YASHADA, Pune; subject experts from government as well as non-government organization. The enthusiastic students got golden opportunity to learn from various Indian Forest Officers, Government of India as well as Government of Maharashtra along with professors from YASHADA, Pune and subject experts from government as well as non-government organization. The activity of exchange of students for two credits in YASHADA, Pune was as per credit system, Savitribai Phule Pune University, Pune. The workshops like this with no doubt would develop and boost the students to incorporate this knowledge in their future prospects. **Date of Programe: 6<sup>th</sup> March 2020 to 11<sup>th</sup> March 2020**

**Beneficiaries: 45**

**3) ANUBHUTI 2020:** There was an enthusiastic participation of the UG students in this competition. There were projects from various groups explaining the core zoology to the most complex theories. This event as every year added

an opportunity to our students to give scope and present their innovative ideas. With a view to encourage, popularize and inculcate scientific temper among the students of the college, Science association, Modern College of Arts, science and Commerce organizes science exhibition (ANUBHUTI) every year where students showcase their talents in various departments of science (Physics, Chemistry, Botany, Zoology, Microbiology, Biotechnology, Electronics, Computer science, Mathematics and Statistics) and their applications in different areas related with our everyday life.

**Date of Programe: 5<sup>th</sup> February 2020**

**Beneficiaries: 98**

**4) T.Y.B.Sc. Study Tour:** The one day study tour was organised by the Department of Zoology to Bhimashankar. The visit included a nature walk where we observed and studied diversity of plants, animals, birds and insects of various species. We also visited biodiversity park khandala where we were introduced to different terrestrial plants and we were aware about conservation of those plants. Information about medicinal use of plants with respect to health.

Date	Topic	Speaker
17th February, 2020	'The Brain and its Discontents'	Prof. Aurnab Ghose
18th February, 2020	MANAV- The Human Atlas Initiative: Training and Project Awareness	Dr. Dhara Lakhkar
18th February, 2020	"Laboratory Biorisk Management: Biosafety and Biosecurity in Laboratories and Beyond"	Prof. Subhash J. Bhore

**Date of Programe: 7<sup>th</sup> February 2020**

**Beneficiaries: 26**

5) **Lecture Series:** Various lecture series listed below were arranged throughout the academic year. The beneficiaries were the students of both undergraduates and Post graduate students of the department and

other departments like Zoology, Biotechnology, Microbiology, Chemistry.

**Dr. Shakera Inamdar**  
Head, Department of Zoology



Lecture series



Conserve Mother Earth



Anubhuti 2020



TYBSc. Study Tour

## DEPARTMENTAL REPORT 2019-20

## CENTRAL LIBRARY

### LIBRARY COLLECTION

Total number of books in the Central Library has crossed 34489. In the year 2019-20, new 3837 books added in the library and library received 466 books as donation. Library has subscribed 82 periodical in the library. Library has taken membership of N-List Infilbnet Consortia to access online paid & free e-journal, e-book & other scholarly publications in electronic forms. Library has taken institutional membership of British Library, Jayakar Library, Bionano Froniter, Sanshodhan (History Department) & Maratha Chamber of Commerce & Agricultural

Industries for exchange of resources.

### LIBRARY AUTOMATION AND DIGITIZATION

Library is fully automated with Autolib software and for creating institutional repository library is using DSpace content management software. For providing Single Point Access to Basic Science Journal Literature we have subscribed J-Gate Basic Science database which provide success to more than 51 Million+Articles Indexed & 47000+ Journals

### LIBRARY ACTIVITIES

Central library had organized two days National

Seminar of IPR and Research Ethics on 27<sup>th</sup> and 28<sup>th</sup> February 2020 which was sponsored by Indian Institute of Social Science Research, New Delhi. More than 92 participants participated in this Seminar from different states of India.

Library has celebrated 42 birth anniversaries, National days and events during this academic year by arranging talks and arranging exhibitions.

In the month of June, July and August librarian has conducted library orientation and information literacy programs for the newly admitted students and Masters students to make them aware of library resources and different services and facilities.

A Grand book exhibition was organized by the library in the last week of July 2<sup>nd</sup> week of December. More than 9 vendors participated in this exhibition.

#### **LIBRARY STAFF ACHIEVEMENTS:**

##### **LIBRARIAN:**

1. Award: Dr. Sangeeta Dhamdhare, Librarian was nominated for ILDC AMP Women Excellence Award- 2020, for an exemplary contribution in the area of Library and Information Science by International Leadership Development Council and Academy of Management Professionals, Hyderabad in the month of March 2020
2. Journal Article published: Sangeeta Namdev Dhamdhare; Ramdas Lihitkar and Egbert De Smet (2019). Comparative study of use of web-based patron education in top University libraries in India and World: An overview. Pearl Journal of Library and Information Science, Vol.13, No. 2, 2019, pp. 191-206.
3. Book published: Dhamdhare, Sangeeta and Lihitkar, Ramdas(2020). "Web-based services:a transforming revolution in modern libraries".ESS ESS Publications, New Delhi, ISBN: 978-93-87698-32-1, Pages: xvii, 250

4. Associate Editor of the International Journal Of Library And Information Science, <http://www.academicjournals.org/journal/IJLIS/editors>, ISSN 2141-2537, 2013 onwards
5. Associate Editor of an International Journal of Library and Information Services, IGI Global, USA. August 2017 onwards. <https://www.igi-global.com/journal/international-journal-library-information-services/177099>
6. Editorial Board member of International Women Journal of Distance Education, Turkey, <http://wojde.org/?pnum=5&pt=Editorial%20Board>, ISSN 2147-0367, 2013 onwards.
7. Editorial Review Board member of International Journal of Information Communication Technologies and Human Development (IJICTHD). ISSN: 1935-5661, EISSN: 1935-567X DOI: 10.4018/IJICTHD
8. Editorial board member of the International Journal of Information Library and Society. ISSN Number: 2278-0386, Publishing India Group.
9. Editorial Board member of the IJBST Journal group
10. Completed an International Faculty Development Program on Libraries response to Covid19: enhanced online library services from 12-18 May 2020 organised by Bharatratna Maharshi Karve Knowledge Resource Centre and SHPT School of Library Science, SNDT Women's University, Mumbai in association with J Watumulla Sadabulla Girls Colleges and Mumbai University and College Teacher's Association (MUCTA).
11. Participated in the Awareness of reaching the users- library resources and services Quiz organized by Seva Sadan College of Education, Mumbai on 14<sup>th</sup> June, 2020
12. Participated in à Environmental Awareness Quiz organised by IQAC and Department of

Botany, Digambarrao Bindu Arts, Science and Commerce College, Bhokar, Nanded on 5<sup>th</sup> June 2020 the occasion of World Environment Day.

13. Participated in a online quiz on Covid 19 Awareness Program in April/May 2020 organised by Shri Vasanttrao Pharate Patil College, Mandavgan Phadata, Shirur, Pune.
14. Cleared the test on Covid 19 Awareness Program undertaken for Urban and Rural areas of India organised by Fergusson College, Pune on 5<sup>th</sup> June 2020.
15. Participated in online quiz on Covid 19

Awareness organised by NCC unit of Baburao Gholap College, Pune on 19<sup>th</sup> April 2020.

16. Completed free starter nutrition course of Health Science Academy on 24<sup>th</sup> April, 2020.
17. Presented a paper in an online International conference Vision 20/20: Preserving the Past, Renewing the Present, Imagining the Future Free Online Conference June 11, 2020 organized by Metrolina Library Association, Charlotte, NC 28233.

**Dr. Sangeeta Dhamdhare**  
Librarian



## DEPARTMENTAL REPORT 2019-20

## PHYSICAL EDUCATION AND SPORTS

### Shiv Chhatrapati awardee

Archana Adhav (Athletic) and Smash Chikate (Hockey) received this year's prestigious Shiv Chhatrapati Awardee.

### Organisation of Sports and Fitness Activities

#### 1. Annual Sports

This year the department has organised Annual Sports from 24th December 2019 to 15th January 2020. The events organised were Basketball, Throw ball, Volleyball, Dodgeball, 3-A-Side Football, Table Tennis, Badminton, Chess, Obstacle/Fitness Race and Athletics for the students.

#### 2. Intercollegiate Sports Organisation

This year college shoulder the responsibility to

organise Intercollegiate Basketball women competition on 10th and 11th October 2019. 25 Women teams from Pune City participated in the tournament.

Similarly we organised Intercollegiate Cycling (Road and Track) Competitions of Pune City Zonal Sports Committee and SPPU at Balewadi Shri Shiv Chhatrapati Stadium, Pune on 24th August 2019.

#### 3. Interzonal Competition Organisation

This year the department has organised Interzonal Lawn Tennis Competitions for women on 20th November 2019 on Pune Universities Lawn Tennis Court. Dr. Deepak Mane and Dr. Sanjay Kharat were present for the inauguration

ceremony.

#### 4. Fitness Week

Department of Physical Education organised Fitness week for FY Students. Yoga, Zumba, Aerobics, Self Defence, Diet and Rappelling activities were organised during the week long program.

#### SPECIAL APPRECIATION PRIZES:-

##### National Level:-

1. Hanumant Regi – TYBA – Skating Hockey
  - a. State Inline Hockey Championship, Nashik, 2<sup>nd</sup> Place
  - b. State Inline Hockey Championship, Nandaurbar, 3<sup>rd</sup> Place,
  - c. National Inline Hockey Championship, Vizag, Andhra Pradesh Participation
2. Shraddha Jadhav – MA – Baseball
  - [a] Interzonal Baseball Competition, Gold Medal
  - [b] All India Inter University Baseball Competition, Gold Medal
3. Charmy Gawai – MCom – Cricket
  - a. Senior National Cricket Championship, Participation. (b) Under 23 National Cricket Championship, Participation. [c] All India Inter University 2018-19, Bronze Medal
4. Omkar Angre – Cycling
  - [a] Represented Maharashtra at Khelo India Competition, Participation [b] All India Inter University Cycling Competition, Rajasthan, Participation
5. Aditi Kale – MCom – Cricket
  - [a] West Zone Inter University Competition 2019-20, Silver Medal. [b] All India Inter University Competition 2019-20 in Jaipur, Feb 2020. [c] West Zone Inter University Competition 2018-19, Gold Medal. [d] All India Inter University Competition 2018-19, Bronze Medal. [e] West Zone And All India Inter University Best Wicketkeeper of Tournament 2018-19. [f] Captain Of Savitribai Phule Pune University in Year 2018-19 & 2019-20. [g] Maharashtra Cricket Association Invitation Matches 2018-19 & 2019-20 Participation

[h] 4time Attend MCA Seniors and Under 23 Camps [I] PDCA Best Player in 2017. [j] PDCA Summer League Participation

##### State Level:-

1. Ayesha Shaikh – SYBA – Yoga
  - State level CM Chashak Competition, Fourth Place
2. Rahul Wale – FYBSc – Handball
  - State Handball Competition, Participation
3. Rushikesh Vishwambhar – Shooting
  - Represented Maharashtra at Khelo India Competition

##### Inter Zonal Level:-

1. Shraddha Shelar – FYBA – Boxing
  - Interzonal Boxing Competition, Participation
2. Pawan Ashtekar – TYBA, Swimming
  - Interzonal Swimming Competition, Participation
3. Shreya Kolapkar – SYBCom, Netball
  - Interzonal Netball Competition, Participation
4. Vinay Naik MSc (Micro) Cycling
  - Selected for Interzonal Cycling Road Race Competition

##### Inter Collegiate Level:-

1. Ruturaj Ranaware – SYBBA CA – Baseball
  - Intercollegiate Baseball Second Place
2. Akshay Tak – MA – Baseball
  - Intercollegiate Baseball Second Place
3. Saurabh Mane – SYBA – Baseball / Cross Country
  - Intercollegiate Baseball Second Place
  - Intercollegiate Cross Country Competition Third Place
4. Shainesh Sawant – FYBA – Baseball
  - Intercollegiate Baseball Second Place
5. Aniket Waje – SYBCom – Baseball
  - Intercollegiate Baseball Second Place
6. Aditya Patil – FYBCA Science – Baseball / Cross Country
  - Intercollegiate Baseball Second Place
  - Intercollegiate Cross Country Competition

Third Place

7. Sanket Mali – SYBCom – Baseball
  - Intercollegiate Baseball Second Place
8. Pruthviraj Gaikwad – TY Bcom
  - Intercollegiate Baseball Second Place
9. Mohit Ubhe – SY BA
  - Intercollegiate Baseball Second Place
10. Jagdale Gaurav – SY BA
  - Intercollegiate Baseball Second Place
11. Kapase Gaurav – FY BA
  - Intercollegiate Baseball Second Place
12. Pratiksha Dange – SYBSc – Obstical Race
  - Intercollegiate Obstacle Race organized by CACPE 2018-19 Second Place
13. Aishwarya Dudhale – TYBA – Obstical Race
  - Intercollegiate Obstacle Race organized by CACPE 2018-19 Second Place
14. Kranti Navale – SYBIOTECH – Obstical Race
  - Intercollegiate Obstacle Race organized by CACPE 2018-19 Second Place
15. Sameer Gore – SYBCom – Cross Country
  - Intercollegiate Cross Country Competition Third Place
16. Jivan Wagh – SYBA – Cross Country
  - Intercollegiate Cross Country Competition Third Place
  - Intercollegiate Baseball Competition Second Place
17. Abel Johnson – SYBCom – Cross Country
  - Intercollegiate Cross Country Competition Third Place
18. Hemant Gariya – TYBCom – Baseball/Cross Country
  - Intercollegiate Cross Country Competition Third Place
  - Intercollegiate Baseball Second Place
19. Shivam Kokare – SYBCom – Wrestling
  - Intercollegiate Wrestling
20. Vipul More – FYBCom – Archery
  - Intercollegiate Archery Competition

21. Aniket Dervankar – FYBCom – Fencing
  - Intercollegiate Fencing Competition

## Annual Sports : Interclass Individual Events Results

- 1 Badminton (Doubles) – Women – First Apoorva Karande
- 2 Badminton (Doubles) – Women – First Mayuri Chavan
- 3 Badminton (Doubles) – Men – First Piyush Kumar
- 4 Badminton (doubles) – Men – First Vikas Tivthan
- 5 Badminton (Mix Doubles) – First Vinay Naik
- 6 Badminton (Mix Doubles) – First Mayuri Chavan
- 7 Badminton (Single) Women – First Shreya Sonawane
- 8 Badminton (single) – Men – First Vikas Tivthan
- 9 Chess – Men – First – Raj Kumavat
- 10 Table Tennis(Double) – Men – First Pavan Bhandare
- 11 Table Tennis(Double) – Men – First Shubham Chavan
- 12 Table Tennis(single) – Men – First Pavan Bhandare

## Annual Sports: Interclass Team Events Results

- 1 Basketball – Men – First – Abhishek Nagarkar – BBA(CA) A
- 2 Basketball – Women – First – Shweta Jain – TYBcom
- 3 Basketball – Men – Best Player – Krishana Virkar – TYBBA CA
- 4 Basketball – Women – Best Player – Ankita Prakash – SYBCom
- 5 Dodgeball – Women – First – Sakshi Dagade – SY Bsc
- 6 Dodgeball – Women – Best Player – Sharayu Kulkarni – FYBCom
- 7 Football – Men – First –

- Noel Fernandes – SY BCOMA
- 8 Football – Women – First – Rutuja Kachare – SYBsc
- 9 Football – Men – Best Player – Abel Johnson – SYBComA
- 10 Football – Women – Best Player – Tejashree Iyer – SYBSCA
- 11 Obstacle Race – Men – First – Hemant Garia – TYBcom
- 12 Obstacle Race – Men – First – Manish Thapa – TYBA
- 13 Obstacle Race – Men – First – Abhishek Kumar – TYBcom
- 14 Obstacle Race – Women – First – Aishwarya Dudhale – TYBA
- 15 Obstacle Race – Women – First – Kranti Nawale – SYBiotech
- 16 Obstacle Race – Women – First – Pratiksha Dange – SYBiotech
- 17 Obstacle Race Mix – First – Hemant Garia – TYBCom
- 18 Obstacle Race – Mix – First – Abhishek Kumar TYBCom
- 19 Obstacle Race – Mix – First – Kranti Nawale – SYBiotech
- 20 Throwball – Women – First Vijeta Shashikant – Karad MSc.Computer
- 21 Throwball – Women – Best Player Gayatri Datar – MSc Com
- 22 Volleyball – Men – First – Bhor Siddhesh Narayan – FT BSC(COM)
- 23 Volleyball – Women – First – Sakshi Nitin Dalvi – SY BSC(GEN)
- 24 Volleyball Women Best Player Sonali Nale SYBSc
- 25 Volleyball Men Best Player Bhushan Pilare FYBSc

### Personal Achievements

#### Completed FDP

This year I have successfully completed the following activities

1. FDP program organised by Modern College of Arts, Science and Commerce, Ganeshkhind on “Holistic Teacher Training in Innovative Skill of Cooperative Learning and Development of E Content for Teaching Pedagogy in Higher Education” Dates: 25th November to 1st December 2019.
2. Faculty Development Program on Data Science organized by Faculty Development Centre in Cyber Security and Data Sciences, Shivaji University, Kolhapur hosted by Department of Computer Application, MES's Institute of Management and Career Courses (IMCC), Pune conducted by FDC PMMMNMTT, during 16th December-214 December, 2019.

#### Attended Following Programs

1. One-Day National Seminar on Innovative and Best Practices in Higher Education organised by Progressive Education Society's MODERN COLLEGE OF ARTS, SCIENCE & COMMERCE , Ganeshkhind, Pune - 411016.
2. Attended and participated in one day workshop on Choice Based Credit System (CBCS) Implementation for Arts, Commerce and Science Programs of colleges affiliated to SPPU at Modern College, Shivajinagar.

#### Research Guidance

PhD Candidate Michal Xavier completed his PhD in Physical Education. Title of his Thesis was “Effects of a Systematic Perceptual Motor Activity Programme on Selected Gross Motor Skills of Children with Autism Spectrum Disorder”, on Tuesday 17th December 2019

#### Resource Person/ Guest Lecture

1. Guest Lecture on “Physical Education Profession and Development in Physical Education” at Chandrashekhar College of Physical Education, Pune.
2. KeyNote address at State Level Seminar organised by Sampatrao Kadam College on “Management of Physical Education” dated 10th and 11th January 2020.

## स्थलांतर

### Organised

1. Two days workshop on “ E-content Development - as learning resources to enrich teaching learning”, on 26th & 27th April 2019, conducted by Knowledge Bridge at Modern College of Arts, Science & Commerce, Ganeshkhind, Pune-16 as Coordinator.
2. Worked as Race Director for “Pawan Khind Yuva Daud 2020” on 5th Jan 2020 organised by Krida Bharati Pune Mahanagar.

### Trek

Participated in Rajmachi Trek organised by College on 20th and 21st Jan 2020.

### PE Exam

For the first time the Department has organised an online PE Exam due to COVID 19 Pandemic situation.

**Dr. Deepak Shendkar**

Head, Dept. of Physical Education & Sports



## COLLEGE EVENTS



Dr. Babasaheb Ambedkar Jayanti



Late Shankrao Kanitkar Smrutidin



Savitribai Phule Jayanti



Convocation Ceremony

**Cultural activities conducted in academic year 2019-20**

Art circle drama team had participated in many prestigious competitions one of which was Purushottam Karandak 2019. The script for the drama was written by one of the student. Complete set was designed according to the need and making the drama more effective. The drama was of 45 min duration. The outline for the direction of the drama was planned. Drama auditions were conducted in the college so as to involve new students from first year and second year in the drama. Two workshops one on Theatre for new students was conducted and the second workshop was on light and set designing. The play which was perform in Purushottam Karandak was named as '**Concept**' which was based on - How two drama students always think about the drama and try to derive a concept of drama from the tragedy happened to them because of their presence at wrong place and wrong time. The entire performing team consisted of 25 members which included artist, technical team and backstage team. Students had also participated in several other competitions and taken part in script reading competitions. During all these activities students have learned

about script writing, details of acting in the drama, technical part of the drama. Student have also learned about how to work in a team, adjust with different persons with different nature, distribution of work according to the interest of the person and how to take the team towards success. The details of the achievements are given below.

Music and Dance competitions were organized to encourage students for performing arts. External experts in the related field had judged the competitions. The winners of the competitions were felicitated in the Annual Prize Distribution Ceremony of the college. The details of competitions are as follows.

**Singing / music -Judge-** Dr. Sagar Kanekar  
**Winner-**SawaniSantoshKarandikar ( Singing),  
 Yashkadam( Instrumental)

**Dancen Judge-**Mr. Dev Pujari and Mrs. Shaily Dev Pujari from **Destiny Institute of Performing Arts. Winner-**Siddhi Jangam

After the competitions, judges had explained the general mistakes students do in the performances, how to avoid those errors , importance of practice and how to enjoy these arts forms.

**STUDENTS ACHEIVMENTS:**

Sr. No.	Name of the student	Class	Details of achievements	Competition Organised by
1	Akshay Shinde	T.Y. B.Sc. Statistics	1st prize for script writing in Suman Karandak	Symbiosis College
2	Prafulla Datar	T.Y. B. Com	Consolation prize for acting in Purshottam Karandak	Maharashtra Kalopasak ,Pune
3	Siddhesh Neve	S. Y. B. A. Geography Special	1st prize for acting in Sarpotdar Karandak Consolation prize for acting in Bharat Karandak	BMCC College Bharat Natya Mandir
4	Drama Team		Selected in top 5 drama teams in Lokankika competition. (intercollegiate competition )	Loksatta

## स्थलांतर

5	Sawani Santosh Karandikar	M.Sc. II Microbiology	First in college singing competition	P.E.S. Modern College Ganeshkhind
6	Siddhi Jangam	Commerce	First in college dance competition	P.E.S. Modern College Ganeshkhind
7	YashKadam	F.Y. B.Sc.	First in instrument playing Instrument clapboard	P.E.S. Modern College Ganeshkhind
8	Shreyas Kakade	T.Y. B. Com	Selected as Best student of Arts Circle	P.E.S. Modern College Ganeshkhind
9	Shivangi Naik	T.Y. B.Sc.	Special appreciation from Arts Circle for her contribution in Arts circle.	P.E.S. Modern College Ganeshkhind

Apart from this students of Arts Circle and National Service Scheme (NSS) had also performed in the VIVIDHA – event organized By P.E.S. Modern College Ganeshkhind and Modernites –Alumni Association and their performances were well appreciated by the

audience and guests. Committee members, alumni, volunteers and student had great contribution in organizing all the events and activities.

**- Prof. Prasad G. Deshmane**  
In-charge, Arts Circle



Art Circle performance of arts circle students Dance group in Vividha



Arts circle Drama team felicitation during annual Prize Distribution



ARTS CIRCLE singing competition arts circle



Arts circle singing group students performing in Vividha

### MODERNITES ALUMNI ASSOCIATION

Modernites is a registered alumni association of P.E. Society's Modern College of Arts, Science and Commerce Ganeshkhind Pune. It aims at enhancing employability and entrepreneurial skills amongst youth by collaborating with the college for various events so as to bridge the gap between academia and corporate. In the academic year 2019-20 it has following contributions at its credit.

#### \*EXECUTIVE BODY MEETING

The Executive body meeting of Modernites was conducted three times in the academic year 2019-20.

#### \*ENDOWMENT SCHOLARSHIPS

Alumni of various faculties have supported to the deserving students by way of scholarships and awards through a interview process of selecting deserving candidate out of nominations received. It has facilitated them to continue their higher education.

#### 1. GOLLAPUDY SCHOLARSHIP

Mr. Sandeep Gollapudy of commerce faculty has instituted two scholarships. **Gollapudy I** scholarship was instituted in the memory of his father and **Gollapudy II** in the name of his mother. It is given out of the accrued interest out of the fixed deposit kept in the name of him and the principal. Gollapudy Scholarship I of Rs.1,817 was given to TYBCOM students Ms. Naybal Sharada.

#### 2. PRERANA PURASKAR

In the academic year the alumna of the Arts Faculty Ms. JyotiMungse instituted 'PREANA PURASKAR' to the deserving student of second year Arts faculty. The student was selected through an interview process. She has kept life time fixed deposit in the name of her father and principal of Rs. 40,000/only. In the academic year 19-20 her father has added Rs. 60,000/only in the amount of Fixed deposit and now the scholarship

life time fixed deposit amount is Rs.1,00,000/only(One lakh only).

Ms. Ayesha YushufShaikh SYBA is the students who has been selected for Prerana Puraskar in the academic year 19-20. Her scholarship amount is Rs.2,948/only

#### \*SKILL DEVELOPMENT COURSE

Faculty of commerce has designed and coordinated skill development course for GST in association with CA Pratik Kadam for three days for MCOM Students.

#### \*VIVIDHAA AN EXHIBITION CUM SALE

Every year Modernites- a registered alumni association of Modern College, Ganeshkhind and Modern College, Ganeshkhind organizes an exhibition 'Vividhaa' to promote the entrepreneurial talent among the present students of the college. This event encourages students to display their creativity, talent and business skills through different stalls put up in the college premises.

With a particular theme Vividhaa is organized for three days every year. The theme of Vividhaa 2020 was 'Integrity ...counts'. So far this event has created 10 successful entrepreneurs. During the three days of this mega event we organize various programs and competitions for students. Competition like 'Modern Chef' is open for all stakeholders (students, teaching, non teaching staff, and parents of students) of the college, apart from this street play competition; best stall of the exhibition, poster competition is organized.

Vividhaa 2020 – an exhibition cum sale organized for three days 16<sup>th</sup> January to 18<sup>th</sup> January, 2020 with the theme 'Integrity...Counts'. The core objective behind this theme was to make students aware about the various career opportunities in the armed forces.

#### Day one: 16<sup>th</sup> January, 2020:

Inauguration of Vividha took place on 16<sup>th</sup> January. Retd. Air Marshal Bhushan Gokhale, Mr.

Yogesh Chithade, (Retd. Air force personnel), Dr. Nandkishor Ekbote, (P.E. Society), Dr. Sanjay Kharat (Principal), Mr. Kiran Desai (Vice-President, Modernites), Mr. Abhijeet Bandewar (Deputy Secretary, Modernites), (Dr. Jyoti Gagangras, Advisory Member, Vividhaa) Vijayalaxmi Kulkarni (Secretary, Modernites), Dr. Jayshree Kharche, (Coordinator, Vividhaa) and Dr. Pallavi Nikhare (Co-cordinator, Vividhaa) were there.

All dignitaries were received by our NCC Cadets and welcomed by Dhol-Tasha Pathak. Shivragini Dhol Tasha Pathak coordinated by our alumni Dr. Sagar Kanekar.

Retd. Air Marshal Bhushan Gokhale and Mr. Yogesh Chithade, Retd. Air force personnel inaugurated the event. Vividhaa 2020 was blessed to have such 'Real Heros' at the inauguration. Air Marshal Bhushan Gokhale sir inspired students by sharing his experiences. He appreciated the event and advised students to be entrepreneur and be a job provider. Yogesh Chithade Sir, (retd. Airforce personnel) who installed oxygen generation plant for the Indian Army soldiers at the Siachen Border also encouraged students by sharing his experiences in the field. He mentioned he is one of the lucky person to meet Paramveer chakra Vijeta and able to serve country. Dr. Nandkishor Ekbote sir guided and motivated students by sharing his experiences while working with soldiers. He also guided team Vividhaa in organizing this event especially with this theme.

On the same day poster competition was organized for students and they were supposed. Around 7 groups of students participated in it. In Collaboration with Seva Foundation Powada with the title 'Jagar Shivchatrapatincha' was organized. The team of Seva foundation impressed audience by presentation.

Another program based on the theme of Vividhaa was organized in collaboration with Lakshya Foundation. The founder of Lakshya Foundation Anuradha Prabhudesai, motivated students by

presenting "Tumchya 'Udya' sathiapala 'Aaj' Denara Sainik'.

### Day 2: 17<sup>th</sup> January, 2020

Day Two of this mega event began with 'Modern Chef' Competition. This is the only platform where all the stakeholders of the college comes together and display their talent together. The theme of 'Modern Chef' was 'tri-colour'. The competition was open for students, teachers, non teaching staff and Parents of the students. Judges were alumni of the college who are related to food industry.

The most awaited program during Vividhaa is Open Forum. Open forum is the platform where we invite the dedicated and successful personalities to interact and inspire our students. Through this years' theme we were expecting to enlighten our students regarding their responsibility and contribution towards nation's peace and development by motivating them to explore fields in defense and security. We were fortunate to welcome **Bridg. (retd.) Anil Talwalkar** (who raised 'BLACK CAT COMMAMDOS'-An anti-terrorist and anti hijacking Unit'), **Commodore (Retd.) Ajay Chitnis**, **Mr. Ajaykumar** from IRDA **and Dr. Vijay Khare**, Head, Department of Defense and Strategic Studies, Savitribai Phule Pune University. The interactive program was coordinated by Dr. Jyoti Gagangras and Mr. Prasad Kulkarni.

Open forum was followed by street play competition. Around 8 groups performed on various social issues in this competition. Street play on 'Organ Donation' stood first; 'road safety' on second rank and street play on 'Unity' (Silent Act) got the third rank. Mohseen Shaikh, our alumni, judged the competition.

The day was full of programs. The second day was ended with Cultural Program. Students participated and performed and enjoyed this program by exhibiting their talent in performing arts like dance, drama and music.

### Day Three: 18<sup>th</sup> June, 2020.

The last day of Vividhaa where students participated in stalls focusing more on more on their sale. The day began with annual prize distribution. Alumni meet was main attraction of the day. Alumni meet got good response. Alumni meeting their teachers and classmates after long time, chitchatting with enthusiasm, sharing their experiences. The event closed with alumni meet.

Winners of Best stall in food and handicraft category were declared on the same day. Food stall winner was a group of MSc (Biotech) and Handicraft stall winner was a Namrata Kadam from B.Voc.

The major achievement this year was the total sale in Vividhaa. This year's total sale during Vividhaa was Rs. 2,84,624/- of 42 stalls. The total number of participants was 91(Ninety one)

### Stalls for social cause:

Modernites gave one stall for Indian Post and Telegraph Department for financial inclusion and digital literacy and about more than 250 students applied for IPPB mobile app. The Indain Post and telegraph department has appreciated the collaborative effort of alumni association and college towards entrepreneurial promotion, financial and digital literacy, environmental consciousness, national integration along with academic and research contribution of the college.

Vividhaa team had also given one stall for social cause to Seva deep Foundation.

In the academic year 2019-20 vividhaa exhibition was coordinated by Dr. Jayashree Kharche and Dr. Pallavi Nikhare under the guidance of Dr. Jyoti Gagangras.

#### LIST OF FIRST PRIZE WINNERS OF VARIOUS COMPETITIONS UNDER VIVIDHAA

Sr. No	Name of Competition	Date of competition	Name of Winners
1	<b>Modern Chef</b>	17.01.20	
	a. PG students		Ms. Aditi Jadhav
	b. BVOC students		Ms.Chirayee Kadurkar
	d. Parents		Mrs. Kale Sangeeta
	e. Teachers		Prof. Mrs. Gauri Bhagat
	f. Non teaching		Mrs. Navale Shubhangi
2	<b>Street Play</b>	17.01.20	NSS Team
3	<b>Poster</b>	16.01.20	Mr. Snaket Zanjad
5	<b>Stall Judging</b>	16.01.20	MSC Biotech Group:FOOD Ms. Namrata Kadam: Handicraft

#### TOTAL AMOUNT OF CORPUS RAISED DURING THE ACADEMIC YEAR 19-20

Sr. No	Particulars	Amount
1	<b>Scholarships</b>	
	Addition in the amount of Prerana Puraskar	Rs. 60,000
	Relase of Preranan Puraskar	Rs. 02,948
	Relase of Gollapudy Scholarship I	Rs. 01,817
2	Membership fees from Life members and honorary members	Rs.77,000
	<b>TOTAL</b>	<b>RS.1,41765</b>

VJIAYALXMI KULKARNI  
SECRETARY-MODERNITES

KIRAN DESAI  
VICE PRESIDENT-MODERNITES



Inauguration of Vividhaa 20 A



Stall for Social cause-Indian Post Office

## ACTIVITY REPORT 2019-20

Following schemes for the development of the students in our college under Board of Students Development, S.P. Pune University, were implemented during the academic year 2019-20.

### 1. Karmaveer Bhaurao Patil Earn and Learn Scheme:

In this scheme 89 students worked in the college office, library, science departments, laboratories, nursery and garden during the college hours. There were 43 girl students and 46 boy students who worked for about 2 to 3 hours. They were paid Rs.45/- per hour. The students earned and got the experience of working and realize the significance of labour.

### 2. Nirbhay Kanya Abhiyan:

Three programs were organized under this scheme-

### Other Activities organized under Board of Students Development:

1. Swarmadhuri Vidyapith stariy Sangit Spardha
2. Swarmadhuri State Level Classical Voacal and Natyasangit Gayan Competition
3. Seminar on Emerging Trends and Advance in Plant Science
4. Introduction to Python
5. Ling Bhav Samjun Ghetana
6. MAGNIT 2020
7. Biotech Workshop on Advance Chromatographic Techniques

## BOARD OF STUDENTS DEVELOPMENT

8. Fair An Electronics E-TechnoQuiz
9. Jaiva Udyokata Vikas Prashikshan
10. Workshop on Global Warming through geo Activities Geo Carnival
11. Environmental Studies through Trekking GPS Survey

### Programs conducted as per Government & UGC guidelines:

1. **Marathi Din:** Marathi Din was celebrated in the college Library on 27<sup>th</sup> February, 2020. Senior journalist and renowned critic Mrunalini Shah spoke on "Marathi News Papers and Marathi Language" on this occasion.
2. **Rashtrapita Mahatma Gandhi 150th Anniversary:** It was celebrated for a whole week in college from 25<sup>th</sup> September 2019 to 2<sup>nd</sup> October 2019. A cleanliness drive by the volunteers of NSS and students of Earn and Learn Scheme participated in the drive and cleaned entire college campus.
3. **Lokshahi Pandharwada:** It was celebrated from 26<sup>th</sup> January 2019 to 9<sup>th</sup> February 2020 in the college. A book by Prof. Suhas Palshikar titled *Oxford Short Introduction: Democracy and Lokshahi Zindabad* were read and discussed for the students in group.
4. **World Environment Day:** It was celebrated on 5<sup>th</sup> June 2019.
5. **Anti-Ragging:** An Anti-Ragging committee at

the college level was formed for the academic year 2019-20. The committee worked throughout the year and attended and resolved the ragging cases.

**6. College Magazine:** "Akanksha", the college magazine, Participated in District and University Level College Magazine competition for the year 2019-20 and won the 2<sup>nd</sup> prize at Pune City Level.



Nirbhay Kanya Abhiyan



Tree Plantation

**7. Tree plantation:** A tree plantation drive was undertaken on in July 2019 at the College of Modern Pharmacy, Kule-Dakhane near Paud and about 114 trees of Indian origin were planted by the teachers and students of college on this occasion.

**Prof. Sandeep Sanap**  
(SDO)

## ACTIVITY REPORT 2019-20 COMPETITIVE EXAMINATIONS GUIDANCE CELL (CEGC)

**Inauguration of the Cell:** 26<sup>th</sup> August, 2019

The cell has been inaugurated on :26<sup>th</sup> August, 2019 at 10 am in Audio Visual Hall of the college. On this occasion a guidance lecture on "Opportunities in Competitive Examinations" was arranged. The resource person for the session was Mr. Piyush Chiwande. He is a Deputy Collector in Mumbai. 42 Students from all faculties participated in the program actively.

He guided the students on MPSC/ UPSC Syllabus, its exam pattern, different study techniques, etc. Through his experience sharing he made students aware about various skills required in a person for acquiring success in various examination. He made the students aware about the importance and effect of screening process in qualifying various competitive exams.

This year we had a registration process for the CEGC. Total 68 students registered to take part in activities arranged by the Cell. Coordinator Mrs.

Jayshree Jain briefed about different activities arranged for students under the cell.

**Guest Lecture:** 16<sup>th</sup> September 2019

A Guest Lecture on "Challenges in Competitive Examinations" by Dr. Ramesh Runwal was arranged on 16<sup>th</sup> September 2019 at 10.30 am.

Sir made the students aware about the challenges in various competitive examinations. Sir guided the students regarding the planning, preparation and execution of various examinations. Sir also informed the students about the various study material required for the examinations.

Total 36 students were present for the lecture from all faculties.

**One Day Workshop:** 23<sup>rd</sup> January 2020

Title: " Mathematics and Logical Reasoning in Banking Competitive examinations".

Date: 23<sup>rd</sup> January 2020 Time: 11 to 3 pm.

Resource Person Mrs. Jyoti Kajale guided the

students by solving a question paper based on Mathematics and Logical Reasoning problems asked in various exams. The students got a training of solving problems in tricky and time saving way. Total 49 students participated in the workshop.

### National Level General Knowledge Test :7<sup>th</sup> January 2010

The Cell conducted National level General Knowledge Test on 7<sup>th</sup> January 2010 jointly with Bharati Vidyapeeth's Y. C. Mohite College, Pune. 28 students appeared for the exam.

### State Level Graduate Excellence Examination : 9<sup>th</sup> February 2020

The Cell conducted State level Graduate Excellence Examination jointly with Centre for Talent Search and Excellence, Wadia College, Pune. 18 (FY 14 and SY 4 ) students appeared for this Exam.

### Result of GEE 2019-20

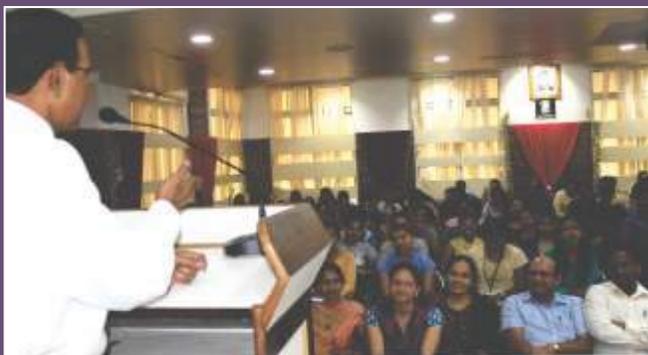
Sr. no.	Name of the student	Class	Prize
1	Jha Swati Rameshkumar	FYBSc	State Scholarship First Prize
2	Chikne Niranjana Kailas	FYBA	Consolation Prize
3	Sonawane Shreya Hemant	FYBSc (Computer Science)	Consolation Prize
4	Kate Kajal Prakash	SYBSc (Computer Science)	Consolation Prize

### General Knowledge Test : 6<sup>th</sup> March 2020

Cell organized a General Knowledge Test on 7<sup>th</sup> January 2020 for the registered students. total 14 students participated in the test.

Committee Members Prof. Motilal More, Prof. Chhaya Abnave and Prof. Vinod Kamble participated actively in conducting all the above mentioned events.

**Prof. Jayshree Jain**  
Co-ordinator



Inauguration Guest Lecture : Mr. Ranganth Naikwade



Guest Lecture : Mr. Bhushan Deshmukh

## ACTIVITY REPORT 2019-20

### COUNSELING CELL 2018-19

The Counseling Cell has been operational for 26 years. It offers a range of services like Individual One on One Psychological Counseling, conducting Study Skills and Life Skills, workshops, conducting sessions on vocational guidance and premarital education. These activities are conducted by the Department of Psychology.

The details about this year's functioning are as follows:

## COUNSELING CELL

### Students Counselling:

- In the academic year 2018-19, 66 students from Arts, Science and Commerce faculty benefited from individual counseling services.
- The total number of individual counseling sessions conducted were **150 sessions**.

### Workshops:

- **Dr. Sadhana Natu**
- 1. Life Skills Workshop for 22 students of TY

BSc.Vocational

2. Professional and Personal Life Skills Development' for 19 students of TY B.Sc. Mathematics
3. Goal Setting workshop for 50 SYBA students.

## II Dr. Suvarna Bobade

1. Study Skills Workshop' for 51 students TY B. SC Microbiology students.
2. Study Skills Workshop' for 26 students from F.Y BSc.Vocational
3. Stress Management' for 17 students of M.SC Microbiology.

### Staff:

Four Staff members were given one on one Counselling Services.

### Awareness Activities:

- Putting up Posters in English and Marathi providing information about the Counseling Cell at all locations across college.
- World Suicide Prevention Awareness Campaign - Students made Posters and Scripts to spread awareness that Suicide is preventable. The students covered the campuses of Modern College Ganeshkhind, Modern Law College, Modern High School, Ganeshkhind, and Modern High School, NCL Campus.
- A stall of the counseling cell was put up at PSY WORLD the Psychology Fair where information about counseling services was provided. Students could also come and register themselves, ask queries and clarify their doubts.

### Outreach:

- Ummeed- The college community mental health program was conducted thrice in the year for library staff, peons and also security staff.
- Disha Peer Support Group- Four Peer Support Discussions were held which was attended by 50-60 students per meet amounting to 239 students in total.
- Thus in total 490 students, 5 staff members and 20 tertiary staff benefitted from the services provided by the Counseling cell. Dr Sadhana Natu was assisted by Dr Suvarna Bobade in Counselling and conducting workshops.

## COUNSELING CELL 2019-20

The details about this year's functioning are as follows:

### Services:

#### One on One Psychological Counselling:

- ❖ In the academic year 2019-10 students from Arts, Science and Commerce faculty, ex-students, staff members benefited from **217** one on one counseling sessions including follow up sessions.

#### Life Skills Sessions: For Students

- ❖ Confidence Building Workshop' was held for 35 students of B. Voc by Mrs. Sandhya Zope.
- ❖ Another similar workshop was conducted for 50 students of the BBA CA Department by Mrs Sandhya Zope.

### For Staff:

- ❖ A session on 'Work Life Balance: Challenges of Parenting' was conducted for the female staff of the college by Dr. Sadhana Natu.

### Awareness Activities:

- ❖ Putting up Posters in English and Marathi providing information about the Counseling Cell at all locations across college.
- ❖ World Suicide Prevention Awareness Drive in college.
- ❖ A stall of the Counseling Cell was put up at PSY WORLD the Psychology Fair where information about counseling services was provided. Students could also come and register themselves, ask queries and clarify their doubts.

### Outreach:

- ❖ Ummeed- The college community mental health program was conducted twice in the year for administrative staff. The sessions were on **Self Care**: which includes diet and food habits, exercise, discussion on hobbies and relaxation techniques.

Thus, all the stakeholders benefitted from 217 one on - one counselling sessions. 85 students, 25 staff members and 20 tertiary staff benefitted from the other services provided by the Counseling cell.

Dr. Sadhana Natu was assisted by Mrs. Sandhya Zope in Counselling and conducting workshops.

### Gender Champions Club

❖ **Gender and Development** an UG Certificate course was conducted in collaboration with Women's Studies Center, SPPU. There were 20 students enrolled in the course.

❖ **Savitribai Phule Jayanti-** To commemorate

the Birth Anniversary of Savitribai Phule interaction with male and female students was conducted. Dr. Natu facilitated a reflection and discussion on the work of the Phules and also gender and education and gender and work.

**Dr. Sadhana Natu,**  
Department of Psychology.

## ACTIVITY REPORT 2019-20

The college hosts a number of foreign students from African and Asian countries. We specially organize events to welcome the international student community. The college conducts a variety of programmes to help these international students to gel with the local student population and thus, tries to facilitate their assimilation. For the academic year 2019-20, 18 students from 9 Countries are studying in the college. Students interacted with the college

## INTERNATIONAL STUDENT CELL

authorities and among themselves through a whatsapp group and email. Queries regarding Choice Based Credit System and concerns regarding corona virus situation were discussed. Tried to provided help through social media and direct communication on exam and university related updates.

**Prof. Gauri Kopardekar**  
Co-ordinator, International Students' Cell

## ACTIVITY REPORT 2019-20

Indian Red Cross Society and Modern College, Ganeshkhind, Pune-16 has been jointly working since 2011.

Last year our college got N. A. P. Nanawati Best College Award. This was received by our College Principal Dr. Sanjay Kharat Committee member, Indian Red Cross Society youth Red Cross, Pune District Branch, Pune and Counsellor Dr. Shinde Abaso H.

### Programmes conducted in 2019-20

1. On 5<sup>th</sup> June 2019 "World Environment Day" was celebrated at Mitra Mandal chowk near Swargate, Pune. Dr. Shinde Abaso attended the program.
2. On 10<sup>th</sup> Aug. 2019 Counselling Training Programme was attended by Dr. Shinde Abaso and Mrs. Trupti Kale at Indian Red Cross Society, Pune District Branch, Rasta Peth, Pune.
3. From 22<sup>nd</sup> to 24<sup>th</sup> Aug. in the "Youth Volunteers

## INDIA RED CROSS SOCIETY

First Aid Training Programme", five students participated at Red Cross Society Branch Pune.

4. On 12<sup>th</sup> Sept. 2019, during Ganesh Immersion, 10 students volunteered along with staff Mrs. Trupti Kale.
5. On 2<sup>nd</sup> Oct. 2019, in Mula River Cleaning Programme (Aundh Bridge), 103 Youth Volunteers and Students participated under the guidance of Principal R. V. Kulkarni, Principal Dr. Sanjay Kharat, Mrs. Bharti Kamble, and Dr. Shinde Abaso.
6. 26<sup>th</sup> to 30<sup>th</sup> Dec. 2019 in State Level Disaster Management, First Aid Training and Youth Leadership Development Camp at BJS College, Wagholi, Pune following students: 1. Ms. Aishwarya Dudhale, 2. Mr. Digamber Mirkute 3. Mr. Avinash Sonukumar 4. Mr. Aware Prashant 5. Mr. Pungati Rajesh 6. Ms. Trupti Ksager 7. Ms. Aditi Karpe and Camp Comman-

dant Dr. Shindé Abaso participated.

7. On 5<sup>th</sup> Jan 2020 10 Volunteers participated in Inter-Collegiate Street Play Competition

(Pathanatay) at BMCC College, Deccan Gymkhana, Pune.

**Dr. Abaso Shinde**  
Programme Coordinator



IRCS Camp, Dr. Sanjay Kharat spoke on Climate Change



Awards received at IRCS State Level Camp.

## ACTIVITY REPORT 2019-20

### 1. Entrepreneurship Development Program

On 11<sup>th</sup> January 2020, one day seminar was organized on Entrepreneurship Development. Principal Dr. Sanjay Kharat gave the welcome address. Dr. Dhanjay Lokhande, Director and Head, Life Long Learning and Extension Department, Savitribai Phule, Pune University, Pune, was the Chief Guest and the inaugural address. The first session was taken up by Dr. Madhuri Deshmukh, Zoology Department, BJS Arts, Science and Commerce College, Wagholi, Pune. Resource person for the second session was Mrs. Sheetal Agarwal, Proprietor, Kiyan Handmade Soaps, Aundh, Pune, spoke on how she developed her business of handmade soaps. Anchorees for the program were Ms. Manujli Thakur from FYBA and Ms. Aishwarya Dudhale from TYBA. Vote of thanks was given by the coordinator Dr. Abaso Shinde.

### 2. Financial Literacy

One day Seminar was organized on Financial

## LIFE LONG LEARNING AND EXTENTION

Literacy on Monday, 13<sup>th</sup> January 2020. Dr. Dhanjay Lokhande, Director and Head, Life Long Learning and Extension Department, Savitribai Phule Pune University, Pune, was the Chief Guest. First session on “Financial Literacy” was taken up by Dr. Arvind Shelar, Head, Department of Economics, Sidhhi Vinayak Women's College, Karvenagar, Pune. Resource person for the second session was Prof. Gyaneshwar Phad, Head, Department of Economics, Yashwantrao Mohite College, Bharati Vidyapeeth, Erandwane, Pune. He spoke on “New Technology in Banking”. About 57 students participated in the seminar. Dr. Sanjay Kharat, Principal and Dr. Jyoti Gagangras, Vice-Principal, Arts gave their guidance for the program. Mr. Avinash Sonumkar from FYBA and Mr. Vaibhav Gadge from TYBA did the comparing of the program. Vote of thanks was given by the coordinator Dr. Abaso Shinde.

**Dr. Abaso Shinde**  
Programme Coordinator



Resource person Dr. Madhuri Deshmukh, Zoology Department, BJS Arts, Science and Commerce College, Wagholi, Pune speaking on Entrepreneurship Development



Dr. Sanjay Kharat speaking on skill development during program on Entrepreneurship Development of Life-long learning and Extension Activity

## ACTIVITY REPORT

2019-20

NCC

National Cadet Corps is a Tri-Services Organization comprising the Army, Navy and Air Force, engaged in grooming the youth – “The Leaders of Tomorrow” – into disciplined and patriotic citizens.

### Aims and Objectives:

National Cadet Corps is a novel initiative undertaken by the college which aims at inculcating the significance of discipline, patriotism and core values in the young students of our college.

Presently there are 22 students in the college who have sought admission to NCC.

All these students participate in weekly parades taken at NCC Head Quarters and at NDA. In these weekly parades the NCC they undergo different types of activities like exercises, drills, physical training as well as they have some lectures on discipline and how to perform better in NCC.

Many of these NCC cadets have attended ATC camps held at different places across India.

Some of them have attended a camp held at Kanhe Phata in 2019-20. The cadets participate in a variety of activities in such camps and get a lot to learn from these camps. They participate in competitions, debates and many other activities apart from regular parades and physical training. In a way NCC camps prove very useful to these cadets in the overall process of their personality development.

The college is proud of the notable achievements of our students in NCC. Parkhe Aparna of S. Y. B. Sc. Participated in Advanced Leadership Camp, held at Agartala (Sikkim) in November 2019. Cadet Atharv Ghan won Silver Medal in ATC Camp. SW Pooja Sonawane Won 1<sup>st</sup> Prize in Group Dance Competition at Indian Naval Academy in at Kannur in .ATC Camp January 2020. SW Sonal Tupkar Participated in “Ek Bharat Shreshth Bharat” Camp held at Ranibagh in November 2019.

**Prof. S. K. Sanap**  
Co-ordinator

**ACTIVITY REPORT 2019-20**

NSS regular activity is started with tree plantation by planting Deshi Trees in the Village of Mawal with the help of Staff members and other students. Selection of 150 students is followed thereafter for NSS group.

To send the help in Flood area, students collected clothes, soaps, eatables to send in affected areas.

Blood Donation Camp is organized with the association with Rotary Club Pune in the campus as a token of Social Responsibility. 181 bags of blood donated to Sassoon Hospital in the presence of Principal Dr Sanjay Kharat and Secretary of Rotary Club Pune.

NSS has concerned about North East Students. A Meet is arranged for North East students of College with the North East Student Welfare organization. Students shares their experiences on the platform allotted by NSS.

To help the Traffic police department, NSS volunteers help in regularize traffic in University Chowk. Students distributed stickers and explained the safety and traffic rules to the public. A special Helmet Jagruti campaign was held by volunteers.

In the Navratri, Students collected Nirmalya from the temple and dump it on the top of hill to produce manure for the planted trees on the top. It is a nine days activity held by the students every year in correlation with Green Hills Organisation.

Special Winter Camp is held in Khamgaon Chhatra. The Camp is inaugurated by Dr Prakash Dixit, Deputy Secretary, P.E.Society and Principal Dr Sanjay Kharat and Mrs. Todkar, Sarpabch of Khamgaon. Students held cleanliness drive in the village and also clean the river and riverside. Geography department put the village on GPS, facilitate everyone to find village on Google Map. Various college department surveyed water, soil, river, social and financial conditions of the villagers. A health camp is organized by Dr. Sakpal for General check up of the villagers. Every evening

cultural and educational programme is held by the students performing on social and health issues like Dowry, Cleanliness, Health, Liquor ban. Participation and help of villagers lead the camp to be successful.

A students did a lot in pandemic of COVID 19. They contributed to Savitribai Phule Pune University by doing Family Survey, preparing Mask to distribute. Some students work in the filed by distributing kits, food packets, and medicine.

All the activities are supported by Vice Principal of three faculty and workout successfully under the guidance of Principal Dr. Sanjay Kharat.

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## स्थलांतर

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**Prof. Kumod Sakpal**  
NSS Program Officer



### ACTIVITY REPORT 2019-20

#### Activities Conducted During This Academic Year:

In this academic year various placement related activities were conducted in the college to make student realize the industrial environment and the skillset they need to have in order to be employable. Observing the demand for the B.A. and B.Com students , more focus was given to B.A

### PLACEMENT CELL

and B.Com students who are mostly required in Banking and Service Industries. It is observed that most of the students in these courses lack in Communication and Presentation skills. Due to this fact they are low in confidence and are unfit to get a job. There was a need to make them aware about the opportunities in specific Fields. Placement cell members decided to introduce the students to industry demand and to make them

aware about the expectations of industry from the employees.

As a part of the pre-placement activities a students from B.Com, B.Sc( Computer Science and BCA( Science) attended a one day Seminar on “ Opportunities in the Field of Insurance” at National Insurance Academy, Baner, Pune on 7<sup>th</sup> December 2019. More than 150 students visited

the Academy along with the Visitor of the college Dr. Praksh Dixit, Principal Dr. Sanjay Kharat, Placement head Dr. Varsha Bapat and other teaching faculties including Mrs. Ranjana Shevkar, Mrs. Shradhha Rahane, Mrs. Sonali Powar, Mr.Niket Tajane, Ms. Deepali Tamhane and Dr. Anand patil. **Job Fair** was not organized this year due to the COVID 19 calamity.

#### PLACEMENT CELL ACTIVITIES IN FIRST TERM

Date	Activity	Stream
23/07/2019	Session on “ Careers in the field of Fashion Designing	Arts & Commerce
24/07/2019	Lecture session on “ Career Guidance - CMA	Arts & Commerce
18/08/2019	Session on “Careers in Pharmaceuticals”	Science
09/08/2019	Interaction with Alumina	Computer Science BBA (CA) and BCA
10/08/2019	Interaction with Alumina	Life Sciences
23/08/2020	Softskill Workshop: Careers in IT & Cloud Computing by Mr. Kailas Tare Interpersonal Skills by Dr. Atul Patil Followed by Group Discussion	Computer Science & BCA ( Science)
24/08/2019	Softskill Workshop: Mock Interview by Monica Bansal Emotional intelligence by Mr. Bhushan Hirlekar Health care by Dr. Renu Bharadwaj Goal Setting and communication skill by Mr. Shreekar Purandare Creativity in Everything by Mr. Rajiv Tulpule	Computer Science & BCA ( Science)
07/12/2019	Visit to National Insurance Academy, Baner, Pune One day Seminar on : Career opportunities in the field of Insurance	B.Sc( Computer Sc),Commerce and BCA( Science)
24/12/2019	Session on Career Guidance	Commerce stream

#### 2. Udaan' Activity:

M.Sc.-II students (individually/ in a group of 2-3) collected the information about Industries/ Research Institutions/ Examinations or Certificate courses for specialized careers, in and around Pune, offering opportunity to Microbiologists.

The information included, Name of Industry/ Institution, Locations, Job Profiles suitable for UG/PG Microbiology students, skill sets required and mode of placement.

The information is circulated in all the other students in the department.

#### 3. Guest Lectures/ Alumni interactions

Organized to make aware out-going students (T.Y. B.Sc. & M.Sc.II) about various career options after securing degree in Microbiology and help them to prepare for placement process/ interviews.

- M.Sc. II. Students participated in lecture on 'How to start Start-up' organized by Department of Biotechnology, in February 2020
- M.Sc. and T.Y.B.Sc. Students attended a lecture on 'CV writing and Interview Techniques' by Mrs. Archana Dighe- Bhide, 7<sup>th</sup> February 2020.

**ACTIVITIES IN THE SECOND TERM**

Sr. No.	Title	Speakers	Date
1.	Session on “Fellowships Available for Higher Education in Foreign Universities”	Mr Subhash Pol, Edwise international	<b>07.01.2020</b>
2.	Session on “CV witing & Interview Techniques” For BA, B.Com, BCA	Mrs. Archana Dighe_Bhide	<b>07.02.2020</b>
3.	Session on “CV witing & Interview Techniques” For all B.Sc, M.Sc, B.Voc	Mrs. Archana Dighe_Bhide	<b>08.02.2020</b>
4.	Session on “Career in Research”	Mr. Gaurav Gunjal, IISc Bangalore	<b>08.02.2020</b>
45.	Session on “Work Culture in the Pharmaceutical Industry”	Mr Ajit Ekal, Instavision, Satara	<b>24.02.2020</b>
5	Interaction on how to enter into Teaching field : through B.Ed course	Principal Mrs Joshi, PES Modern B.Ed. college	<b>14.03.2020</b>

**4. Participation in activities organized by College Placement Cell**

Students of Chemistry Department have attended the Edu-Fair during 10am-5pm on 30<sup>th</sup> January 2020 for Australian Universities and on 6<sup>th</sup> February 2020 for the other foreign universities at O Hotel, Koregaon Park,Pune.

**COMPANIES VISITED COLLEGE CAMPUS:**

Infosys Ltd, Wipro, Tata Consultancy Services, Cognizant, Atos Syntel, Capgemini, Mphasis IT Services, Nisarg Urja Pvt. Ltd., SKP and Edubridge., Max Secure Software Pvt Ltd, , Techaart Systems Pvt.Ltd, Web Soft IT Solution, Ashore system pvt.ltd, The Programmers lab,

Binoclard infosystem pvt ltd, Vencent Systems Private Limited, Omega Soft, AASA technology, Trident Web Infoservices Pvt. Ltd, Max secure software.pvt.Ltd, Cravita Technologies, Pune, OMVSab IT Solution, Pawar software solution, Felix-IT system , Engenius Park, Magneto IT Solutions Pvt Ltd, AINO Software Private Limited, Engenius park Technologies LLP, Floratechno Solutions Private Limited, Cravita technologies, I-MATES INTERNET LLP, SQr Infotech Pvt. Ltd., MatrixHub Technology, Harbinger Group, E-deesha technology, Vencent System Pvt Ltd, Apptware, Pune. **(Total 54 Companies visited)**

**Details about the Placed Students : Streamwise**

Sr. No	Stream/ Department/ Event	Companies Visited	Number of students Placed	
1.	Computer Science	35	UG: 40	PG: 47
2.	Biotechnology	05	UG: Nil	PG: 07
3.	Zoology	02	UG: 05	PG: 02
5.	Chemistry	05	UG: In Process	PG: 17
6.	Commerce	05	UG: 16	PG:
7.	Microbiology	02	UG: NIL	PG: 24
		<b>Total</b>	<b>127+18</b>	

**Dr. Varsha M. Bapat**  
Placement Head



NIA Visit



CV writing & Interview Techniques by Mrs. Archana Bhide

## ACTIVITY REPORT 2019-20

The Annual Prize Distribution Ceremony of 2019-20 was held on 18<sup>th</sup> January 2020. The function was graced by Chief Guest Dr. Rajiv Hajirnis, ex Principal, M.E.S. College of Arts and Commerce, Zuarinagar, Goa and Guest of Honor Ms. Supriya Bhosale, Chhatrapati Awardee and alumnus of our college.

The ceremony started at 10.30am with 'Modern..' song. A spectacular show 'Extravaganza' was presented by Department of English. Various characters from English literature, drama, films and famous television shows were presented in a ramp walk with signature dialogues. The show was received a big applaud from the audience.

The prize distribution started with Saraswati Vandana. Comparing was done by Ms. Shivangi Naik, a student of T.Y. B. Sc. The introduction of chief guests was given by Ms. Chaitali Makashir. The guests were felicitated by Dr. Prakash Dixit, Visitor and Deputy Secretary of P.E. Society.

Dixit Sir and Dr. Hajirnis stated the importance of hard work and perseverance in our life. They also stated that one should always set small goals and step by step reach the target. Ms. Bhosale told the value of fitness, health and sports in achieving the desired goal. Dr. Prakash Dixit inspired the students by sharing real life experiences of great leaders. Students were highly motivated by their talks. The endowment prizes of Rs 16,000/- were also distributed to the deserving students. Jyoti

## PRIZE DISTRIBUTION CEREMONY

Mungase Prerana Puraskar was given to Ms. Aayesha Sheikh, S.Y.B.A. by Jyoti's parents. The distribution of scholarships to blinds was done by representatives of 'Help the Blind Foundation.' On the occasion, of tenth anniversary of Alumni Association, distinguished alumni were felicitated.

The Best Student Trophy, 'Pride of Modern' was bagged by Ms. Saivibhuti Patil of M.A.(I), Psychology.

The programme ended with the vote of thanks by the Coordinator Dr. Madhuri Kulkarni.

The program was successfully organized under the guidance and valuable suggestions by the Chairman Honorable Dr. G.R. Ekbote, Secretary Prof. Shamkant Deshmukh, CDC Chairman Prof. Suresh Todkar, Visitor Dr. Prakash Dixit and Principal Dr. S.S. Kharat.



Dr. Madhuri Kulkarni,  
Coordinator

**Activities conducted:** This year science association has conducted the activities like Essay, Cartoon making and Debate competition along with regional Project and poster competition and exhibition, "Anubhuti".

Essay and science fiction writing competition was organised to evoke students' comprehensive, linguistic and communication skills to propagate information from the field of science. Revolutions in the field of Science was the topic for the essay competition. Future world revealed by Artificial Intelligence, Emerging technologies in life science and the future world, Rising of eco-

systems on different planets were the topics for fiction writing. Descriptions in either of English, Marathi or Hindi having maximum of 500 words were accepted. Along with the Science faculty, Students' participation from Arts and Commerce faculty also was welcomed. Five students shared their views through these competition.

Cartoon making on scientific themes and Debate Competition on Pros and cons of advanced technologies were the two competitions introduced this year. Seventeen students enjoyed the competition.



**Anubhuti, Regional Project and Poster Competition**

Science Exhibition "Anubhuti", Project, Poster competition is the most awaited activity conducted by the association where students are given an opportunity to experiment, build and realise their innovative ideas. The purpose of science exhibition "Anubhuti" is to make students aware about recent field of research and upcoming technologies, to encourage their innovative ideas, to improve presentation skills of the students and to promote interdisciplinary activities.

To create a platform to exchange innovative scientific ideas with peers from other colleges, interaction of the students with renown scientist, professors and distinguished personalities from the field of Science and technology and further promote the innovative ideas for product

development were the holistic views behind approaching the credible funding agency like DBT-CTEP cell. We are thankful to the members of this cell to acknowledge our sincere efforts and give us an approval (DBT/CTEP/03/20190649285) and support us to conduct Anubhuti science exhibition at regional level.

With approval of the DBT CTEP Cell exhibition date was confirmed as 5th February 2020. Thirteen colleges supported under Star scheme of Department of Biotechnology, Govt. of India were focused for publicity of "Anubhuti" Regional Science Project and Poster competition. Exhibition was publicized through both online and direct contact. Notice and information brochures were circulated Online via College website, Email, whats' group and contact in person. A

team of five members visited to the concern faculty members and DBT STAR college coordinators from nearby colleges from the Pune city. Also posters were sent to the colleges from Pune region by post. Both online and spot registration facility was made available. On 5th February 2020, Anubhuti Regional Science Project and Poster competition was held in the college premises. The competition was organised at two levels, College and Regional level. Morning 9 a.m. to 12 noon participants from own college displayed projects and posters in the laboratories of the twelve science departments. In all total 490 students displayed their innovative ideas. Projects and posters in line with innovative and interdisciplinary theme with viable hypothesis were selected and allowed to compete at regional level where students from other 13 colleges had participated. In all 377 students participated in regional competition, of which 108 students were from other colleges. Students from 1. Deccan Education Society's, Fergusson College, Pune, 2. K. R. T. Arts, B. H. Commerce and A.M Science College, Nashik, 3. Pune District Education Association's Baburaoji Gholap College, Sangvi, Pune, 4. New Arts, Commerce and Science College, Ahmednagar, 5. Prof. Ramkrishna More Arts, Commerce and Science College, Akurdi, Pune, 6. Sir Parashurambhau College, Tilak Road, Sadashiv Peth, Pune, Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati, Pune, 7. Abasaheb Garware College, Karve Road, Pune, 8. C.T. Bora College, Shirur, 9. Modern College of Arts Science and Commerce, Shivajinagar, 10. H. V. Desai College, Pune, 11. MIT college of Arts, Science and Commerce, Pune, 12. Abeda Inamdar college, Pune, 13. Shri Shiavji Mahavidyalaya, Barshi colleges participated in the event. Together 162 female and 215 male participants further are divided as 288 graduate and 89 post graduate students. Regional competition was held during 10 a.m. -3 p.m.

Exhibition was organised in three sections: Applied Sc., Life Sc., Physical and chemical Sc and two categories as under graduate and post graduate. Bar Graph below shows section wise project

and poster display distribution and participated students distribution.

DBT STAR scheme college coordinators and industry experts were invited to judge the displays of the participants. Innovativeness, Theme selection, Presentation skill, Outcome and viability were the parameters of assessment.

1. Dr. Yogini Muley, Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati, Pune
2. Dr. Rashmi Morey, Prof. Ramkrish More Arts, Commerce, and Science College, Akurdi, Pune

#### **Worked as a judge for Life Science section**

1. Dr. Shweta Jagatap, Department of Instrumentation Sc., Savitribai Phule Pune University, Pune
2. Prof. Gurusumeeran P. Satsangi, Department of Chemistry, Savitribai Phule Pune University, Pune

#### **Worked as a judge for Physical Sc.**

1. Mr. Sandeep Agashe, Sandeep Consultancy and Agency (Govt. and Industry projects), Pune,
2. Mr. Sachin Mahajan, Founder and CEO, Abhinav Automation, Rahatani, Pune Worked as a judge for Applied Sc.

They were provided with assistance of internal staff member as a judge.

Beside the guidance from the appointed expert judges, Principal of our college, Vice principal of the science faculty, DBT STAR college advisory committee members and faculty members from our college appreciated and guided the participating students about further extension and applications of their ideas and how to improve presentation skills.

Dr. S. Anantha Krishnan, Raja Ramanna Fellow, Fellow of Indian National Science Academies', Adjunct Professor, Department of Electronics, Savitribai Phule Pune University graced the Inaugural function. He emphasized the need of inclusion of interdisciplinary programs in our education system. 'Students should apply the acquired knowledge to solve the problems in day

to day life and bring their ideas to reality and introduce new techniques and products for the benefit of the society' he said. Students were

overwhelmed to know his wide and deep research work experience and his motivational thoughts.



Dr. Aditya Abhyankar, Dean ,Department of Technology, Savitribai Phule Pune University was the eminent guest for the valedictory and prize distribution ceremony. "Ancient Indian scientist and society hadmajor contributions to the evolution of contemporary world. We should respect this legacy and further use our knowledge to innovate and introduce new ideas and techniques. One should never stop learning weather you win or lose the competition ", were the wise words spread by him among the participating students.

Two Prizes for each, Project and Poster display from each category of the three sections were given to the commendable ideas. Students from diverse stratum gathered and shared their ideas. In all it was a successful academic and scientific event.

**Prof. Vaishali Salunke ,**  
Chairman, Science Association,  
In-charge, "Anubhuti", Regional Project and Poster  
Competition

## ACTIVITY REPORT 2019-20

Staff Academy programmes for the year commenced with celebration of International Yoga Day on 21<sup>st</sup> June, 2020.

A faculty development program was organized

## STAFF ACADEMIC

about Learning management system on 30<sup>th</sup> June and 6<sup>th</sup> July, 2019.

On 18<sup>th</sup> August 2019, tree plantation drive was organized at Modern College of Agricultural

Biotechnology at Dakhne Kule.

Extension activity in the form of **Red dot campaign especially** for ladies staff members and girl students to create awareness regarding personal hygiene and social and environment consciousness was organized on 19<sup>th</sup> September ,

2019

Health checkup was organized for staff of the college on 28<sup>th</sup> March, 2020 with a record of 126 participants.

**Dr Shakera Inamdar**  
Chairman, Staff Academy



LMS Training



Tree Plantation

## ACTIVITY REPORT 2019-20

## SOFT SKILL DEVELOPMENT

### Soft Skill Development Center

Apart from necessary educational qualification, employers look for some skill sets while recruiting people. Feedback from many employers reveals that there is a shortage of skilled personnel. Many candidate possess limited or no skills. To overcome this situation, our college is running in-house programme to train final year students in soft skills so that they can contribute to their companies soon after being placed.

Majority of the people don't know how to speak fluently in public or about etiquette. So skill and personality development training is a necessity for the youth. Students from vernacular medium schools come to our college for higher education and find it difficult to cope. These students have brilliant technical skills but are unable to communicate their ideas. So, it is really important to bridge the gap between thoughts and practical work. Everyone needs to know how to speak better and present themselves on different occasions. Every year our college organizes soft skill workshops and training

sessions on communication skills and etiquette.

This year a Soft Skill Workshop of 10 day duration was organized. Industrial Partner Mahindra Pride Classroom sponsored the workshop in association with NAANDI Foundation. A range of topics like communication skills, campus to corporate, stress management, out-of-the-box thinking, team building, leadership qualities, interview techniques and personality development were covered during the workshop. Interactive sessions made the students realize that by being sharp and having clearly defined goals they can track their success easily. It also raised their self-confidence as they were able to recognize their ability and competence in achieving the goals set by themselves. Students believe that these skills will be useful during the placement period. 60 final year students (39 Girls and 21 Boys) from Arts, Science and Commerce Faculty have successfully completed this workshop.

**Prof. Parag Shah**  
Coordinator,  
Soft Skill Development Programme

State Level Classical Vocal and Natyasangeet Gayan Competition

Swaramadhuri, a State Level Inter university Competition of Classical Vocal Music and Natyasangeet was held on 4th February 2020 in collaboration with Student Development Board of SPPU. The competition is held in the memory of Founder of P.E.Society, Late Shri. Shankarrao Kanetkar. This was the 25th year of the competition. Nineteen students from different universities and colleges participated this year's competition. Shri. Rahul Ranade, a senior Music Composer was the chief guest for the Prize Distribution Ceremony. Dr. Santosh Prchure, Director Board of student development and Vice Principals Dr. JyotiGagangras, Dr. Shubhangi Joshi, Mrs. Swati Kandharkar graced the occasion by his presence. Principal Dr. Sanjay Kharat gave a brief overview of the competition over last 25 years in the inaugural function.

Mrs. Sudha Bhalerao and Mrs. Neelima Sahastrabudhe worked as judge for Classical Vocal Competition while Mrs. Ashwini Gokhale and Mr. Atul Khandekar worked as Judge for Natya sangeet Competition. Vidyawani FM Radio of Savitribai Phule Pune University were the media partner for the competition. Mr. Shreedatta Gaikwad and Mr. Mahesh Jagtap of Vidyawani recorded the performances of

Classical Vocal Competition. The special thing about this year's competition was, two visually impaired students participated and won prize in the competition.

**The result for Calassical Vocal Competition-**

1. First Prize- Miss. Manasi Kulkarni- SNDT, Pune
2. Second Prize- Mr. Yashraj Shewale, Karmaveer Bhauraopatil College, Shivaji University, Kolhapur
3. Third Prize- Miss. Mayuri Aatre, SNDT, Pune

**The result for Natyasangeet Competition-**

1. First Prize - Miss. Mayuri Aatre, SNDT, Pune
  2. Second Prize- Miss. Manasi Kulkarni- SNDT, Pune
  1. Third Prize- Miss. Sharvari Kelkar-MIT, Alandi
- Mrs. Varsh Joshi, Head, Department of Physics worked as the coordinator for this competition. Prof. Prasad Deshmane, Mrs. Prerana Suru, Dr. Sushama Katade, Dr. Uttara Oak, Mrs. Gayatri Shrotriya, Mrs. Revati Nagarkar, Ms. Sonal Kulkarni, Mrs. Shilli Jones, Mrs. Meenakshi Tiwari, Mrs. Shraddha Rahane, Mrs. Sujata Deshmukh, Dr. Priyanka Bhamare , Mrs. Ketaki Sarawate and other staff members from Arts, Science and Commerce faculty were the faces behind the successful event.

**Prof. Varsha Joshi**  
Coordinator





Swaramadhuri Classical Vocal Competition winner Miss. Manasi Kulkarni being honored at the hands of Chief Guest Shri. Rahul Ranade and Dr. Santosh Parchure Director, Board of Student Welfare, SPPU

## ACTIVITY REPORT

2019-20

## SWARMADHURI

### University Level Singing Competition

Swaramadhuri, a University Level Singing Competition was held on 4th February 2020 in collaboration with Student Development Board of SPPU. The competition was a special sanction to the college by the Board of Student Development in view the 25th year of the competition.

The competition was held in different categories like SugamSangeet, Western Music (group and Solo), Group Song, TaalWadya, SwaraWadya and Folk Orchestra.

Twenty Six students from different universities and colleges participated this year's competition. Shri. Rahul Ranade, a senior Music Composer was the chief guest for the Prize Distribution Ceremony. Dr. Santosh Prchure, Director Board of student development and Vice Principals Dr. Jyoti Gagangras, Dr. Shubhangi Joshi, Mrs. Swati Kandharkar graced the occasion by his presence. Principal Dr. Sanjay Kharat gave a brief overview of the competition years in the inaugural function.

Mr. Milind Tulankar and Mr. Suresh Phadataré worked as judge for Swara Wadya Competition. Mrs. Manini Gurjar and Mrs. Pallavi Pote worked as judge for Sugam Sangeet and western Solo Competition. Mr. Suresh Phadataré and Mr. Milind Pote worked as Judge for Talawadya

Competition.

Students from SPPU, SNDT, Bharati Vidyapeeth and Kolhapur University participated in the competition. The special thing about this year's competition was, two visually impaired students participated and won prize in the competition.

The result for Sugam Sangeet Competition-

1. **First Prize-** Miss. Mayuri Aatre, SNDT, Pune
2. **Second Prize-** Miss. Manasi Kulkarni- SNDT, Pune
3. **Third Prize-** Miss. Shreya Joshi, VIT university, Pune

**The result for Western Solo Competition-**

1. **First Prize** –Mr. Rahul Salve, Annasaheb Magar College, Pune

**The result for Talawadya Competition-**

1. **First Prize-** Mr. Rameshwar Ghayal, Bharati Vidyapeeth, Pune
2. **Second Prize-** Mr. Aaditya Kadam, Bharati Vidyapeeth, Pune

**The result for Swaravadya Competition-**

1. **Consolation Prize-** Mr. Sanket Dugarde , Annasaheb Magar Coliege, Pune  
Mrs. Varsh Joshi, Head, Department of Physics

worked as the coordinator for this competition. Prof. Prasad Deshmane, Mrs. Prerana Suru, Dr. Sushama Katade, Dr. Uttara Oak, Mrs. Gayatri Shrotriya, Mrs. Revati Nagarkar, Ms. Sonal Kulkarni, Mrs. Shilli Jones, Mrs. Meenakshi Tiwari, Mrs. Shraddha Rahane,

Mrs. Sujata Deshmukh, Dr. Priyanka Bhamare, Mrs. Ketaki Sarawate and other staff members from Arts, Science and Commerce faculty were the faces behind the successful event.

**Prof. Varsha Joshi,**  
Coordinator

## ACTIVITY REPORT 2019-20

## YUVA SAPTAH

With great joy and enthusiasm we are happy and proud to present a detailed report about the joyous celebration of Swami Vivekananda's birthday as National Youth Day (Youth Day) at Progressive Education Society's Modern College, Ganeshkhind 16.

National Youth Day (Youth Day or Swami Vivekananda Birthday) is celebrated in India every year on 12th of January. This year 157th birth anniversary was celebrated. It has been celebrated consistently for the last 25 years in our college. On 13th January 2020 Prof. Vivek Jadhavar (History Department, Modern College Ganeshkhind) delivered his speech about Swami Vivekananda's thinking for the nation. Dr. Pallawi Bulakh and her team coordinated this event.

Our college held various competitions under Yuva Saptah. Dr. Dipali Meher was coordinator of Yuva Saptah 2020. The competition held for 2 days 16-17 Jan 2020.

The competitions held on 16th January were Poetry Reading, Menendi, Caption Contest, Psychology Quiz and Spellathon.

The poetry reading competition was arranged in Marathi, Hindi and English. The number of students participated was 84. Judges were Prabha tai Sonwane and Dr. Shampa Chakravarthy. Dr. Sanskruti Awalgaonkar with her team members coordinated the competition.

In Mehendi competition there were 33 participants. Mr. Sheelratna Bangale (Moderhhigh school, Pune) was the judge for this completion. Prof. Anuradha Bhamidi and her team members coordinated this competition.

Total 40 students participated in psychology quiz

Master Mind. There were multiple rounds involving perception, memory, attention, and other general topics. Dr. Sadhana Natu and Nashome madam and her team members coordinated this event.

Caption contests were held by Department of English with the objective to encourage imaginative and analytical thinking among students. 17 students were participated in this competition. The outcome of the competition is wide variety of thoughts and ideas. Mrs. Gauri Koperdekar was Judge of the competition. Dr. Sampa Chakravarthy and her team coordinated the event.

Spellathon competition was organized by Department of English to enhance the sense of expression. This competition had an interesting segments of fun filled quizzes based on spelling and pronunciation. 33 groups of 66 students in each were participated in this competition.

On 17th Jan Elocution, Rangoli, Handwriting competition, Poster Competition and Kaun banega history scholar were held.

For elocution competition there were 24 participants for this competition. This competition was held in English, Hindi and Marathi languages. Dr. Shampa Chakravarthy and Kalpana Deshpande were judges for this competition. Dr. Savita Sabnis with her team members coordinated the competition.

Total 157 students participated in Handwriting competition. Competition was held in Hindi, Marathi and English language. Prof. Swati Kandharkar was judge for this competition. Prof. Shamal Deshmukh with her team members coordinated the competition.

For Rangoli competition the theme was India 2020, Traditional rangoli. Total 28 groups participated for this competition. Prof. Yashashri Jadhav from Modern High school NCL, was judge for this competition. Prof. Ashwini Pawar with her team members coordinated for this competition.

Kaun Banega history Scholar competition organized by history department under Quality Improvement programme from Savitribai Phule Pune University. Dr. Shweta Sawale with her team members coordinated for this competition. Total 153 students from 8 different colleges were participated in this competition.

For Poster Competition the topics were women safety and security, e-waste management and were presented by 14 Posters.. The judges were Dr. Dnyaneshwar Shirode (Mu College, Pimpri) and Prof Gauri Kopardekar. Prof Suvarna Mahsekar with her team members coordinated the competition.

The winners of all competitions under Yuva Saptah 2020 were felicitated on the same time after the competition.

**Prof. Dipali Meher**  
Coordinator Yuva Saptah



Poster Competition -Yuva Saptah



Rangoli competition -Yuva Saptah

## CONFERENCE AND SEMINAR

### One-Day National Seminar on 'Innovative and Best Practices in Higher Education'

P.E.S. Modern College of Arts, Science and Commerce, Ganeshkhind, Pune organized a One Day National Seminar on Innovative and Best Practices in Higher Education on 26<sup>th</sup> July 2019 jointly with National Assessment and Accreditation Council, (NAAC) Bengaluru, Savitribai Phule Pune University and in association with CEDA, Pune and IQAC Cluster India. Venue of the Seminar was Progressive Education Society's auditorium located in Shivajinagar, Pune. The Seminar was a prestigious event for Progressive Education Society, as its Chairman Dr. Gajanan Ekbote in his opening remarks expressed his hope to spread

awareness of NAAC and UGC along with the new educational policies that has begun its journey towards excellence.

The Seminar began with a Welcome Address of Dr. Sanjay Kharat. He expressed his delight to get an overwhelming response for the Seminar. In his speech he discussed the higher education policies and its urgent need to implement in Colleges and Universities. The Seminar was inaugurated by Prof. Nitin Karmalkar, Vice Chancellor, Savitribai Phule Pune University. In his inaugural speech he humbly shared his experiences of NAAC visits and appealed to everyone to consider NAAC visit as an

opportunity to move towards excellence. Seminar's Key Note Address was delivered by Prof. S.C. Sharma, Director, National Assessment and Accreditation Council (NAAC) Bengaluru. He congratulated the management and the College for organizing this seminar, as it is the need of the hour. In his talk he stressed on the importance of quality education and the path to achieve it.

The inaugural session was coordinated by Dr. ShampaChakravarthy.

After the inaugural session, the first technical session began with the talk of Prof. Bhushan Patwardhan, Vice Chairman, University Grants Commission (UGC), New Delhi. During his talk he threw light on various facilities and opportunities provided by UGC for enhancing the quality of education in higher educational institutions. He also declared in his talk that UGC will soon design many outreach programs for the teaching faculties and students from higher education institution. This session was coordinated by Dr. Nivedita Ekbote. The next talk was on UGC Quality Mandate. Speaker Dr. Renu Batra, Additional Secretary, University Grants Commission (UGC), New Delhi, spoke on the objectives of quality mandate and mentioned 'Deeksharambh' – Orientation of new College students as an important part to bridge the gap between school and college. Besides that she also elaborated on the various Faculty Development Programmes necessary for smooth implementation of new education policies. The second technical session was coordinated by Dr. Vinay Kumar. For the next talk Prof. GauriKoperdekar introduced Dr. Shubhda Nagarkar. Dr. Nagarkar, member UGC Cell, Savitribai Phule Pune University, Pune discussed about CARE, Consortium for Academic and Research Ethics. She put forwarded the meaning of quality in research areas and its importance in higher education.

The second technical session began with an interesting talk of Dr. Devendra Kawdey. He is

Deputy Advisor, NAAC. His talk was based on the basic concept on which NAAC accreditates higher educational institution. He also discussed the present students' scenario and Outcome Based Accreditation. The session coordinator was Dr. B. D. Bhole. The next speaker of the Seminar Dr. Vishwajit Pendsey, Research for Resurgence Foundation, Nagpur elaborated the responsibilities of a researcher and a teacher in terms of NAAC and higher education policies. He opined that achieving quality is not an instant process rather it is a step by step method to understand and practice quality work. Session Coordinator was Prof. Bharat Kangude. The next talk on 'The Internal Quality Assurance Cell (IQAC): Rationale and Role in Institutional Quality Enhancement' was delivered by Prof. Peeyush Pahade. He was highlighting the role and responsibilities of IQAC. Session Coordinator was Prof. Parag Shah.

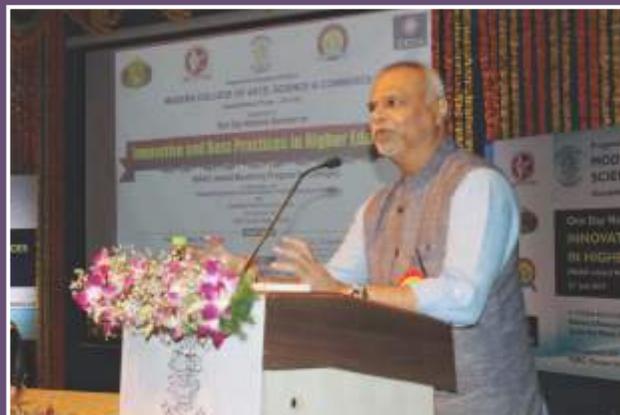
The speaker of the concluding talk of the second session was Shri. Aniruddha B. Deshpande, President, Centre for Educational Development Administration (CEDA), Pune. He discussed the Core Values of NAAC and teachers role in increasing the standards of education.

The last session of the seminar was the valedictory session coordinated by Dr. Shampa Chakravarthy. The Guest for the valedictory session was Dr. N.S. Umrani, Pro Vice Chancellor, Savitribai Phule Pune University, Pune. In his speech he said that NAAC has compelled us to work towards excellence and national development. Dr. G. R. Ekbote, the Chairman of Progressive Education Society's Management Council congratulated Modern College Ganeshkhind for taking initiative to organize such a seminar which a need of the hour. Prof. Parag Shah gave an overview of the seminar. The National Seminar concluded with a Vote of Thanks by Dr. Prakash Dixit.

**Prof. Parag Shah,**  
Coordinator



Dr. S C Sharma, (Director NAAC)



Dr. Bhushan Patvardhan (Vice Chairman UGC)



Prof. Aniruddha Deshpande (President, (CEDA)



Dr. Gajanan Ekbote (Chairman P.E.Society)

## *Department of Biotechnology* **International Conference on Biotechnology: Perspective & Challenges (ICBT-2020)**

The Department of Biotechnology, Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-16, has organized an International Conference on Biotechnology: Perspective and Challenges (ICBT-2020) on 14<sup>th</sup>-15<sup>th</sup> February, 2020. The conference was inaugurated by Dr. N. S. Umrani, Pro-vice chancellor, SPPU, Pune, and released the proceedings of the ICBT-2020. During his inaugural speech, Dr. Umarani brought out the need to focus research on social issues like anemia in women. Dr. Sanjay Kharat, Principal and Convener-ICBT-2020, welcomed all the guests and participants, and briefed about the Modern College and the various facilities available for research at the college. Dr. Rekha Gupta,

Coordinator-ICBT-2020, briefed about the aims and objectives of the conference.

The conference received a very good response, with around 179 participants registered from national, international, state and within Pune colleges and institutions.

The conference was divided into four scientific sessions, conducted over a period of two days and consisted of Keynote addresses, 10 invited talks, 10 oral presentations, and 45 poster presentations. A separate poster session was organized, where 45 posters were displayed by different colleges and evaluated by eminent scientists and academicians.

Invited talks were based on different aspects of biotechnology and its perspectives and challenges in thrust area of advanced biotechnology. All these sessions were comprehensive combination of general and scientific knowledge that would allow participants to better comprehend the scientific research and scope in future.

### **Day 1: Friday, 14<sup>th</sup> February, 2020**

The day 1 of the ICBT-2020 commenced with a Key note address by Dr. Arvind Natu, Honorary Advisor & Visiting Faculty, IISER-Pune. Dr. Natu is a renowned scientist, academician, orator, and administrator, who enlightened the participants with various aspects and scope in research and careers in Biotechnology.

### **Session-I: Applied Biotechnology**

The 1<sup>st</sup> session was titled *Applied Biotechnology*, where Eminent scientists, such as, Dr. Lalitagauri Deshpande, Research Scientist, JMI labs, Iowa, USA, and Dr. Manoj Sharma, Assistant Professor, School of Biotechnology, JNU Delhi, provided their invited speech, and the session was chaired by Dr. Jagdishwar Dandapat, Professor & Head, Dept. of Biotechnology, Utkal University, Odisha. Dr. Lalitagauri Deshpande spoke about "*Global Antimicrobial Resistance Surveillance Complemented by Genomics and Bioinformatics*", where she elaborated the identification of species that show antimicrobial drug resistance. Her talk was followed by Dr. Manoj Sharma, who spoke about "*Genetic Engineering of Sorghum for Nutritional Fortification and Biomass Accumulation*", where he elucidated the necessity of Sorghum fortification as a measure for future utility. Both the invited talks were followed by brief discussion and summary by Dr. Jagdishwar Dandapat.

### **Session-II: Chemical & Systems Biology**

In this session, Dr. Lalitagauri Deshpande presided as the Chairperson. The 1<sup>st</sup> speaker, Dr. Jagdishwar Dandapat, Professor & Head, Dept. of Biotechnology, Utkal University, Odisha, spoke about "*Remodeling redox regulatory network in*

*Silk worm: Insights from Proteomics and Systems Biology*" and elucidated the novel pathways that regulate the free-radical activity in Silkworm as a model organism. Next, Dr. Kashmir Singh, Associate Professor and Chairperson, Dept. of Biotechnology, Panjab University, Chandigarh, spoke about "*Decoding fungal resistance mechanism in grapes by exploring R genes and long non coding RNAs*", where he focused on understanding the resistance to the fungal diseases in grapes. Further, another invited talk by Dr. R. S. Pandit (Professor & Former Head, Dept. of Zoology, SPPU, Pune), where he elaborated on role of biodegradation in sustainable development. After all invited talks, Dr. Lalitagauri Deshpande summarized the session, and was followed by an Oral presentation by the participant.

The invited talks were followed by brief open discussion and summary by Dr. Lalitagauri Deshpande.

### **Poster Session**

On first day of ICBT 2020, we conducted parallel poster presentation session. In poster completion 45 poster were displayed by local, regional, national and international participants. On the basis of their topic, the posters were divided into five categories viz. Applied Biotechnology, Environmental Biotechnology, Chemical & Systems Biology, Role of Biotechnology in Health, and Bioinformatics. All these posters were evaluated by eminent/reowned scientist Dr. S. G. Deshpande (Retd. Scientist, NCL-Pune), Dr. Abhijeet Kulkarni (Asst. Prof, Dept. of Bioinformatics, SPPU, Pune), and Dr. Ravindra Kshirsagar (Asst. Prof, Dept. of Zoology, Modern College, Ganeshkhind, Pune-16). In the poster category the best poster award was given to Debajeet Ghosh, Sneha Bansode, Rajesh Gacche SPPU, Pune for their interesting research entitled "*The Untapped Potential of Baicalein: Superior Elastase Inhibition*". Additionally, 2<sup>nd</sup> & 3<sup>rd</sup> best poster prizes and two consolation prizes were also announced during the valedictory function.

### **Day 2: Saturday, 15<sup>th</sup> February, 2020**

The Day 2 of the ICBT-2020 started with keynote speech by eminent scientist and academician Dr. Wasudev N. Gade, Vice-President Vishwakarma University, Pune. He spoke about the perspectives and challenges faced by classical biotechnology that can be addressed using the modern biotechnology approaches, and motivated the participants to pursue research post-graduation. The session was presided by Dr. Sanjay Kharat, Principal and Convener-ICBT-2020, and Prof. Swati Kandharkar, Vice-Principal, Modern College, Ganeshkhind, Pune-16.

#### **Session III: Environmental Biotechnology**

The first session of Day 2, Environmental Biotechnology, was chaired by Dr. Subhash J. Bhore, Senior Associate Professor, AIMST University, Malaysia, who also provided his invited talk, titled “*Global Sustainable Development Goals: Global Challenges and Perspectives on the Role of Biotechnology in Sustainable Development*”, and was co-chaired by Dr. Vinay Kumar (Asso. Prof, Dept. of Biotechnology, Modern College, Ganeshkhind, Pune-16). Dr. Bhore elaborated the 16 measures for global sustainable development, and specifically detailed the role as a biotechnologist and motivated participants to contribute as a researcher in this domain. The talk was well-taken with brief discussion session from the participants. Further, 9 oral presentations were conducted in this session, judged by Dr. Subhash Bhore and Dr. Vinay Kumar.

#### **Session IV: Role of Biotechnology in Health**

The final scientific session, role of biotechnology in health, was presided by Dr. S. G. Deshpande (Retd. Scientist, NCL-Pune) and coordinated by Dr. Shakira Inamdar (Asst. Prof., Dept. of Zoology, Modern College, Ganeshkhind, Pune-16). In this session, we had two eminent scientists. The first speaker, Dr. Rajesh N. Gacche (Professor & Head,

Dept. of Biotechnology, SPPU, Pune), provided his talk, titled “*Angiogenesis as Drug Target: Opportunities and Challenges*”, where he detailed the mechanism of *FBXW11* in regulation of apoptosis in cancer cells. The next speaker, Dr. Nagaraj Balasubramanian (Associate Professor, Biology, IISER-Pune), spoke on the topic “*Role of cell-matrix adhesion dependent regulation of membrane trafficking and Golgi organization in cellular function*”, detailed the interesting mechanism of rearrangement of the Golgi apparatus during cancer cell detachment and re-attachment to the extracellular matrix.

#### **Valedictory Function**

The concluding valedictory function was chaired by Dr. Rajesh N. Gacche (Professor & Head, Dept. of Biotechnology, SPPU, Pune), in the gracious presence of Dr. Sanjay Kharat (Principal & Convener-ICBT-2020), and Prof. Swati Kandharkar (Vice-Principal, Science, Modern College, Ganeshkhind, Pune-16). Dr. Gacche addressed the participants and motivated them to pursue career based on ones likings, and not following the herd. After his speech, successful participants were awarded prizes for poster and oral presentations. Amongst the total 10 oral presentations, the talk by Dr. Sayanti Podder (Dept. of Zoology, University of Bundwan, West Bengal), titled “*Toxicity assessment of Cryolite at sublethal concentration in Drosophila melanogaster*” was awarded the best oral presentation award. Additionally, 2<sup>nd</sup> & 3<sup>rd</sup> oral presentation awards were presented to the participants. The valedictory function and the ICBT-2020 ended with vote of thanks to the participants, guests, organizers and volunteers.

**Dr. Rekha Gupta**  
Co-ordinator



Inaugural Function

## Two Day National Seminar on 'Intellectual Property Rights and Research Ethics'

A Two Day National Seminar was organized by Progressive Education Society's Modern College of Arts, Science & Commerce, Ganeshkhind, Pune-16 on 27 and 28 February 2020. The Seminar was sponsored by Indian Council for Social Science Research (ICSSR), New Delhi. The National Seminar witnessed tremendous success with the participation of more than 89 participants and 09 speakers from the length and the breadth of India.

Professor Dr. Ramesh Gaur, who was the Chief Guest of the Inauguration Function of the Seminar, emphasized on his keen interest in Research Ethics and Intellectual Property Rights. He stressed on the lack of Quality Research and inability of the higher education institutions to lure in youngsters towards Research in India. Dr. Gaur urged the governments and administrative bodies to strengthen libraries to ensure significant enhancement of quality in research.

Principal of Modern College, Ganeshkhind, Pune, Dr. Sanjay Kharat in his welcome address briefly outlined the journey of Modern College Ganeshkhind, Pune and referred to the researchers as assets to a nation, if properly equipped with Research Ethics. He said that making students and researchers aware of Intellectual Property Rights will definitely make the world a better place.

Dr. Ganesh Hingmire was the Keynote Speaker of the Seminar. Dr. Hingmire spoke about the importance of Intellectual Property Rights in different Fields in Indian scenario. He made the audience aware on how Copyright, Trademark, Geographical Indicators and Branding are very much a part of Intellectual Property Rights. He discussed the concept of 'Patents' in great detail including the advantages and disadvantages of patents. He also made the audience aware of different career opportunities available in IPR.

Dr. Ramesh Gaur's plenary session was about Research and Academic Integrity. Dr. Gaur talked about Plagiarism also and discussed how we can detect and avoid this malpractice. Dr. Ramesh Gaur also emphasized on the need to make people aware of searching for a desired piece of information on different search engines effectively.

Dr. Arvind Natu from the Indian Institute of Science, Education and Research spoke about Scientific Misconduct and Plagiarism which are widely prevalent in the world of Research and academics. He expressed his concern in Indian mindset of not maintaining proper record and documentation of Research data and inventions. He believes that many a time patents and inventions are commercialized and the Intellectual Property Rights are misused against the very cause of humanity. Talking about patenting at great length, Dr. Natu threw light on its different aspects such as 'Patentability', different laws and Acts associated with patenting. He also spoke about various tools of plagiarism, scientific negligence, falsification etc. He concluded his session by referring to the present research trends in India as a 'rat race' which presents a researcher with 'publish or perish' like scenario.

Advocate Kshitija Kulkarni, the speaker of the Fifth session of Day 1 of the Seminar, gave an overview of Intellectual Property Rights. She spoke about Intellectual Property, Intellectual Property Rights and its different types. She also spoke about benefits of Intellectual Property Rights, International conventions to protect IPR and current IPR trends in India. She also mentioned government's role in safeguarding IPR. Advocate Kulkarni talked about Patents, Copyright, Trademarks, and Trade Secrets in detail covering various aspects of each topic. She reiterated her views on promotion of Awareness Programmes to help spread awareness amongst masses.

Dr. Pavan Kumar Togapur from CSIR, Institute of Minerals & Material Technology, Bhubaneswar, was the Resource Person of the First Session of Day 2 of the Seminar. His deliberation was on

Patent Search and Patent Filing Process. Dr. Togapur gave an introduction of Intellectual Property, traced a brief outline of evolution of IP and also spoke about its importance. Dr. Togapur, with a plethora of statistical data and examples on Patenting showed the impact of 'Patents' on Intellectual Property. He made the audience aware of the process of searching for Patents and also the process of filing for one. Comparing and contrasting Creativity and Inventions he showed many illustrations and emphasized how they both go hand in hand.

Mr. Vijay Tase from Peertech Consultancy was the speaker of the Second Session of Day 2 of the Seminar. Mr. Tase, in a very interesting manner spoke about Intellectual Property Management in different organizations and Intellectual Property Rights in Cyberspace. He emphasized on the utilitarian nature of patenting. He understands the process of patenting as a 'game' and inventors should have a knack of understanding the intricacies of this 'game'. According to Mr. Vijay Tase, an inventor should know 'what he/she is doing' and should be a keen observer. Speaking about Patents, he said that Patents are not for monopoly but for generation of newer ideas and development of science and technology. Patent as he believes, is in a very positive sense about 'money'.

Dr. Rajendra Kumbhar from Library and Information Science, Savitribai Phule Pune University, Pune was the Resource Person of the Third Session of the Day 2 of the Seminar. Dr. Kumbhar threw light on the role of libraries and librarians in enhancing quality of research publications. Dr. Kumbhar believes that research is an important activity in a nation's progress. He also discussed the role and value of Information Resources in Research.

Chartered Accountant, Ms. Sujata Bogawat was the Resource Person of the Fourth Session of Day 2 of the Seminar. She spoke about the process of monetizing of Intellectual Property through Start-ups. Intellectual Property, according to her is a key in strengthening the economic pillar of a society. She discussed various aspects of Intellec-

tual Property in Research and academics, as well as its importance in startups and research activities. Technological Commercialization of Intellectual Property, she emphasized, will help grow start ups and therefore a country exponentially.

Dr. Madhura Vipra, Director, Athena Consultancy was the Chief Guest of the Valedictory Function of the Seminar. She accentuated on the importance of acquiring knowledge and the rapidly changing nature of science and technology. She believes that Intellectual Property Rights are there both in

laboratory research as well as in theoretical research and IPR should be converted into assets by monetizing it. Prof. Suresh Todkar in his speech stressed on knowledge and leadership emphasizing on the need of knowledge based leadership. Dr. Sangeeta Dhamdhare, the Coordinator of the Seminar gave an outline of the Two Day Seminar and proposed a vote of thanks.

**Dr. Sangeeta Dhamdhare**  
Co-ordinator, Department of Sociology



Inaugural Function



### DEPARTMENT OF SOCIOLOGY : NATIONAL CONFERENCE- REVISITING GANDHI

**A two day National Conference on “Revisiting Gandhi” was organized at Modern College of Arts, Science and Commerce, Ganeshkhind, Pune** by the Department of Sociology under the Quality Improvement programme, Savitribai Phule Pune University.

Inaugural address given by Dr. G.R. Ekbote (Chairman, Business Council, P.E. Society, Pune) he elaborates on how Gandhian thoughts encompass each and every concern of our Society. Dr. Prerana Ubale (Head of the Dept. Hindi, Modern College, Shivaji Nagar,Pune) given the keynote address. In her address she shared real time stories of common people that how Gandhi inspired them to transform their own self and do better for the society.

In these two days many eminent academicians and activist shared their views on Gandhian philosophy and contributions.

First Day In Two Plenary sessions. First session conducted by Dr. Chaitra Redkar ( Associate Professor, IISER) her engaging deliberation was on Gandhiji's idea of truth and its different dimensions non.

In Second session eminent educationist Ms. Sushma Sharma (Director, Anand Niketan, Wardha) very thoughtfully articulate on Gandhiji's 'Nai Talim' and its relevance in to days world.

Second Day there were Three Plenary sessions. In first session, Feminist Scholar and Activist Lata P.M. presented Feminist standpoint and shared

anecdotes from Gandhi- Kasturba and Jyotiba - Savitribai Phule's 'Sahjeevan'

Second session conducted by B.T. Lawni (Director, Yashwantrao Chavan Institute of Social Sciences Studies and Research, Bharati Vidyapeeth Deemed University,) He talked about role of civil society for change. How Gandhi conceptualized civil society in our independence movement.

Prof. Shruti Tambe (Head Dept. of Sociology, SPPU) in her plenary session Prof. Tambe described Gandhi as an extraordinary leader who honored honesty, fearlessness and compassion in the face of terror. Gandhi Embarrassed honesty and simplicity when the whole world running behind consumerism and brandishing.

Valedictory Address Given by Prof. Channaveer R.

M. (Dean, Central University, Karnataka) in his very engaging address he talked about how Gandhiji gave us idea of 'Swaraj' with very Indian meaning. For Gandhiji 'Swaraj' is not only limited to political freedom it's more about creating capabilities in common people. Gandhiji is blend of activism and constructivism and symbol of Dialogue. Today the entire world aspires to follow the Gandhian path.

32 research papers were presented in the conference along with these plenary sessions.

It was indeed a very fulfilling experience for Department of Sociology and Modern college of Arts, Science and Commerce, Ganeshkhind.

**Dr. Jyoti Gagangras**  
Co-ordinator



National Conference : Revisiting Gandhi :  
Inauguration Ceremony



National Conference : Revisiting Gandhi :  
Valedictory Programme



## Convocation Ceremony

*Congratulations !  
You made it !  
It's time to celebrate all the hard  
work that led to this joyful occasion*

-Sheryl Sandberg



Modern Mirror Pablication



VIVIDHA 2020



FIT INDIA WALHKETHON



River pollution serve



Shivjayanti

# भावपूर्ण श्रद्धांजली

## 2019



**Sushma Swaraj**  
(1952-2019)



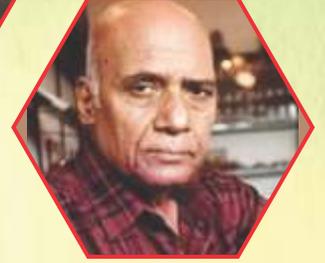
**Arun Jaitley**  
(1952-2019)



**Sheila Dikshit**  
(1938-2019)



**Madhav Apte**  
(1932-2019)



**Mohammed Khayyam**  
(1927-2019)

## 2020



**Rishi Kapoor**  
(1952-2020)



**Pranab Mukherjee**  
(1935-2020)



**Vidya Bal**  
(1937-2020)



**Neela Satyanarayan**  
(1948-2020)



**Irfaan Khan**  
(1966-2020)

## Modern College -2019-20



**Prof. Amarjeet Thorat**  
(Botony Deapartment)



**Jyoti Mungase**  
(Alumi, Founder of  
Hrudaijyot Pariwar)



**Babanrao Jadhav**  
(Supporting Staff)



**Prakash Joshi**  
(Supporting Staff)