



Deepak S. Kumbhar
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Personal Details:

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- **Permanent Address:** Kumbharwada , Pimprigaon, Pune - 411 017.
- **Contact No:** 9890136461(M).
- **Date of Birth:** 28- July-1974.
- **Address:** B-404,Nirmaan Puram, Near VIIT college, Kondhawa Bk,Pune-411048.

- **Languages:** Marathi,Hindi,English
- **Status :** Married.

Objective: To encourage creativity and higher-order thinking in a way that increases student performance.

Summary of Experience:

- Head of Department at BCA(science) in modern college,ganeshkhind From June 2019 to till.
- More than 20 years of teaching experience in the field of electronics.(Analog Electronics, Advance Digital Electronics, Micro-controllers, Micro Processor and different electronic system.)

- **Presented research papers in national seminar** held at Modern College, Ganeshkhind Pune-53, on “Development And Use Of Multi-Module 8051 Micro- Controller Board For Teaching And Learning Micro- Controller Programming”...February 2010
- **Presented research papers in International** conference held at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (M.S), India organized by Department of Physics on “Development of Wireless Sensor Network for Monitoring and Analysis of Concrete Compressive Strength Development in Early Age Concrete Structure” in Dec. 30th 2015 at an International Conference on Functional Material and Microwaves (ICFMM-2015)”.
 1. Code: Thumb Wheel and 7-segment Display interface with 8051 Micro-controller
 2. Code: Stepper Motor Interfacing with 8051 Microcontroller
 3. Code: LCD Interfacing with 8051 Microcontroller
 4. Experiment: XBee Communication
 5. Serial communication using RS 232 and ZigBee
 6. Conference Paper: Development of Wireless Sensor Network for Monitoring and Analysis of Concrete Compressive Strength Development in Early Age Concrete Structure
 7. Conference Paper: Development and Use of Multi-module 8051 Micro-controller Board for Teaching and Learning Micro-controller Programming
- **Research papers/article/code on www.researchgate.net and academia.edu:**
 1. Spin Coater Time and RPM Setting Embedded System: Dr. Dole Sir, Department of Physics. BAMU, Aurangabad
 2. Solar Charge Controller Unit: Bipin Solar System
 3. Pratapgad War Model –using LED’s effect: Resort Marathi Tadka.
 4. Docomo Ad Board: IN & OUT Co-operation.

5. Differential Temperature Analysis system : Dr. Krushid Sir, Abeda Inamdar College,Pune.

6. Designing and development of Analog, Digital and Micro-controller based training Electronics kits for nearly 86 educational institutes.: Future Chip Technologies Firm, Pune

• **Extension Activity:**

1. Conducted Hands On program on “PV Solar System Designing and practically implementation” for college student, Year 2016.

2. Organizing Science Exhibition as a Chairman, Science Association Modern College, in 2011-12

3. Assistance Co-ordinate of Add on Course “Embedded C and Robotics ” in 2011-12.

4. **Project Guidance** for Science and Engineering students

5. **Guidance** for “Avishkar” Projects

6. **Technical Discussion and Guidance** to Electronics /Computer Science teachers and staffs on 8051, Arduino, Raspberry Pi prototype Kits and programming Tools.

7. **Technical Assistant** to student activity and training programing in the pune region colleges.

Educational Qualification:

Pursuing Ph.D. in Electronic Science, BAMU, Aurangabad .

UGC - NET (Electronic Science) Qualified in June 2013.

Degree	University	Year of passing	Percentage
M.Sc. (Electronic Science)	Pune University	1998	57.79 Higher Second class
B.Sc. (Electronics Science)	Pune University	1996	58.51 Higher Second class
H.S.C	Pune Board	1993	51.33 Second class
S.S.C.	Pune Board	1991	71.57 First class with Distinction

Professional Qualification:

- CCNA Certification exam passed in 17th May 2008. Marks: 907/1000
- Diploma in VLSI Design at Helios Technologies, Pune in 2001 B class (60%-69%)

Topics of interest in Teaching/Research:

- **Teaching:** Analog Electronics, Advance Digital Electronics, Micro-controllers, Micro Processor and different electronic system. **Simulation** tools : Pspice, Matlab, Express PCB, Xilinx ISE, Keil uVision, Programmers soft, NASM,C-for 8051,MPLAB & AVR studio etc.
- **Research:** Embedded System, WSN System

Orientation/refresher course details:-

Name of the Course	University	Duration	Grade obtained
Refresher Course	Pune University Electronics Department	24/04/2009 To 14/05/2009	‘A’

Workshops and seminars attended:

- **Participated in** Two day Faculty Development Program on “*Raspberry Pi Concepts and Programming*” Pantech ProEd Pvt. Ltd. held at D.Y.Patil college of Engennering,Akurdi ..7th and 8th June 2016.
- **Participated in** one day workshop on “ *Implementation of revised syllabus in Electronics F.Y.B.Sc. (computer science/Electronics)* ” held at Aabasaheb Garware college ,Pune...4th Feb 2013.
- **Participated in** one day workshop on “*Revision of T.Y.B.Sc. Electronic Science Syllabus Paper-II- Micro-controllers* ”held at Tuljaram Chaturchand College, Baramati ..9th January 2012.
- **Participated in** State level workshop on “*ARM based Embedded System Development*” held at Shankarrao Mohite Mahavidyalaya, Akluj..
- Participate in one day workshop on “*Digital Signal Processing* ” held at Mamasahab Mohol college Paud Road ,Pune 38..15th January 2010.
- **Participation in** one day workshop on “*Implementation of revised syllabus in Electronics F.Y.B.Sc. (computer science)* ” held at Indira College, Wakad.
- **Participation in** one day workshop on “*Revision of syllabus in Electronics for S.Y.B.Sc. (computer science)* ” held at H.P.T Arts and R.Y.K. Science College,Nasik ..1st October 2008.

- **Participate in** “*Entrepreneurship Development Programme Based on Solar Energy*” held at MITCON ,Pune -5.
- **Participate in** “*Faculty Development Program*” Organized by ICFAI University held at Modern College, Ganeshkhind,Pune-53 . 21st Sept.2003

Workshops Conducted:

Sr.No.	Name of Seminar /Workshop	Place and Date
1.	Faculty Development Program on “ARM Application Programming”	Fergusson College, Electronics Department,Pune 6 th April 2017
2.	Hands-on workshop on “Basic Electronics”	G.M.Momin Women`s College,Dept. of Physics, Bhiwandi 4,5,6 th March 2017
3.	Hands-on workshop on “Robotics Programming using 8051”	Fergusson College, Electronics Department,Pune Jan 2016
4.	Hands On workshop on “PV Solar System Designing and practically implementation”	Modern College, Ganshkhind Pune-16

Invited Talks:

Sr. No	Invited talk on	Occasions	Date	Place
1.	Arduino Programming	Lecture	Feb 2016 At 3:30 PM	B.R.Gholap College, New Sagavi
2.	8051 Microcontroller Programming in C	Guest Lecture	3 rd Feb 2011 At 3:30	Anasaheb Awate College, Manchar, Pune
3.	Microprocessor based	Training	20 th Oct. 2010 at	Vishwakarma College, Kondhwa(BK), Pune

	electronic kits & NASM Programming		9:30 AM	
4.	8051 microcontroller & Embedded system	Guest Lecture	11 th Feb 2010 at 3:20PM	Indira College, Wakad, Pune
5.	NASM Programming & Embedded system design flow	Guest Lecture	15 th Sept. 2009 At 3.00 PM	Hutatma Rajguru College, Rajgurunager Pune
6.	NASM Programming	Guest Lecture	10 th Feb 2009 at 10.30 am	Hutatma Rajguru College, Rajgurunager, Pune
7.	Computer Architecture	Visiting Lecture	July 2008 to Nov 2008	MCA (under Science) P.V.G's College of Science, Pune-9