Department of Electronics											
BSc(General) Major Electronics											
Level	Sem	Disciplinary Major Mandatory	DSE Electives	Minor				OE	VC/SEC	AEC, VEC, IKS	OJT, FP, CEP, CC, RP	Total	Exit Credit	Final Total Credits
				Physics	Chemistry	Statistics	Mathematics							
4.5	I	2 Cr T Basic Circuit Theory and Network Analysis 2 Cr T Electronic Devices and Circuits 2 Cr P Electronics LAB- I	__					2 Cr Pr Safety with electronic devices 2 Cr Pr Fun with Electronics using Basic components	2 Cr Pr Circuit assembly techniques 2 Cr PrFun with electronic Hobby projects using Components and Circuits	2 Cr T:English Oral and written communication 2 Cr T :EVS 2 Cr T : IKS	CC 2 Cr	22		22
4.5	II	2 Cr T Fundamentals of Digital Electronics 2 Cr T Applications of Analog and Digital Devices 2 Cr TElectronics LAB-II	__	2Cr-T: Calibration Techniques/ Instrumentat ion for agriculture	2 Cr-T: Fundamental Biochemistry	2Cr-T:Learning Basics of Data Science using MS Excel	2Cr-T:Basic Course in Algebra	2 Cr Pr Electronic appliance selection 2 Cr Pr Awareness and mgmt. of Ewaste	2 Cr Pr Modelling and Simulation using MATLAB 2 Cr Pr Photo voltaic System installation 2 Cr Pr Robotics	2 Cr T: Spoken English	CC 2 Cr	22		22
Cumulative		12		2				8	8	10	4	44	4	48
Certificate on Exit + 4 credit Bridge Course														

Department of Electronics													
BSc(General) Major Electronics													
Level	**Sem**	**Disciplinary Major Mandatory**	**DSE Electives**	**Minor**				**OE**	**VC/SEC**	**AEC, VEC, IKS**	**OJT, FP, CEP, CC, RP**	**Total**	**Exit Credit**	**Final Total Credits**
				Physics	**Chemistry**	**Statistics**	**Mathematics**							
5	III	2 Cr T Electronic Circuits 2 Cr T .Digital System design 2 Cr Pr Electronics LAB- III A 2 Cr Pr Electronics LAB-III B	__	2Cr-T: Basic Telecommunication 2Cr-P:Fun with Mechanics	4Cr-T:Chemistry of life	2Cr-T:Introduction to R software and learning of exploratory data Analysis 2Cr-P:Use of R software to explore the data	2Cr-T:Basic Course in Calculus 2Cr-P:Practical Course based on Minor Paper - 2	2 Cr Pr Know your computer Hardware & Assembly 2 Cr Pr Entreprenuership LED displays and decoration	2 Cr Pr Hardware Discription languages and digital system Design 2 Cr Pr Mobile Application Development	AEC 2 Cr	CC 2 Cr	22		22
5	IV	2 Cr T perational Amplifiers and Applications 2 Cr T .C programming(2T) 2 Cr Pr Electronics LAB-IV A (2P) 2 Cr Pr Electronics LAB-IV B (2P)	__	2Cr-T:Fiber Optic Communication 2Cr-P:Basic Optics	4Cr-T:Chemistry of Materials	2Cr-T:Fittiting of mathematical models for predicative data Analysis 2Cr-P:Use of R software for fitting of model	2Cr-T: Matrix Theory 2Cr-P:Practical Course based on Minor Paper - 4	2 Cr Pr Entreprenuership : Solar Systems and Installation	2 Cr Pr Electronic Product design & Tools 2 Cr Pr Solar systems Installation and entrepreneurship	AEC 2 Cr	CC 2 Cr	22		22
Cumulative		**28**		**10**				**12**	**12**	**14**	**12**	**88**	**4**	**92**
Diploma on Exit + 4 credits of NSQF and Internship														

Department of Electronics													
BSc(General) Major Electronics													
Level	Sem	Disciplinary Major Mandatory	DSE Electives	Minor				OE	VC/SEC	AEC, VEC, IKS	OJT, FP, CEP, CC, RP	Total	Exit Credit	Final Total Credits
				Physics	Chemistry	Statistics	Mathematics							
5.5	V	2 Cr TElectronic Instrumentation 2 Cr TMicrocontroller Architecture and Programming s 2 Cr Pr Electronics LAB-V A 2 Cr Pr Electronics LAB-V B 2 Cr Pr Electronics LAB-V C	Signals and systems (2T) 2. Hardware for Artificial Intelligence(AI) & Machine Learning (ML) (2T)	2Cr-T:Lasers and its Applications 2Cr-P: Optoelectronics/ Photonics	2Cr-P:Laboratory Safety 2Cr-T:IPR and Chemoinformatics	2Cr-T:Statistical Quality control 2Cr-P:Practical based on Statistical Quality control	2Cr-T:Differential and Integral Calculus 2Cr-P: Practical Course based on Minor Paper - 6		4Cr Pr Design and Fabrication of PCB			22		22

Department of Electronics													
BSc(General) Major Electronics													
Level	Sem	Disciplinary Major Mandatory	DSE Electives	Minor				OE	VC/SEC	AEC, VEC, IKS	OJT, FP, CEP, CC, RP	Total	Exit Credit	Final Total Credits
				Physics	Chemistry	Statistics	Mathematics							
5.5	VI	2 Cr T Communication Systems 2 Cr T Embedded Systems 2 Cr Pr Electronics LAB-VI A 2 Cr Pr .Electronics LAB-VI B 2 Cr Pr Electronics LAB-VI C	Advanced Embedded Systems and Applications of Internet of Things (2T) 2. Digital Signal Processing and MATLAB (2T)	2Cr-T:Acoustics 2Cr-P:Radiation Physics	2Cr-T:Instrumental methods of analysis 2Cr-P: Analytical Chemistry Practical Course	2Cr-T:Introduction to Pythan for handling large data 2Cr-P:Introduction to Data Analytics	2Cr-T:Applied Mathematics 2Cr-P:Practical Course based on Minor Paper - 8				OJT 4 Cr	22		22
Cumulative		48	8	18				12	14	14	18	132		136
Award of Degree														