



Shri Vithal Education & Research Institute's

COLLEGE OF ENGINEERING, PANDHARPUR



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Website.: www.sveri.ac.in (Approved by A.I.C.T.E., New Delhi and Affiliated to Solapur University, Solapur)
NBA Accredited all eligible UG Programmes. NAAC Accredited Institute. ISO 9001:2015 Certified Institute.
Accredited by The Institution of Engineers (India), Kolkata and TCS, Pune.

Ref.:-

Date:-

1.2.1 List of programs in which Choice Based Credit System (CBCS)/elective course system has been implemented

Programme Name : Electronics & Tele-communication Engineering			
Programme Code: 1-1408968324			
Sr. No.	Class Name	Status of implementation of CBCS / elective course system (Yes/No)	Year of implementation of CBCS / elective course system
1.	B.E. Electronics & Tele-communication Engineering	Yes (Elective)	2015-16



B. Range
PRINCIPAL,
College of Engineering
PANDHARPUR



SOLAPUR UNIVERSITY, SOLAPUR

FACULTY OF ENGINEERING & TECHNOLOGY

ELECTRONICS & TELECOMMUNICATION ENGINEERING

Syllabus for

B.E. (E & TC Engineering) w.e.f. Academic Year 2015-16



SOLAPUR UNIVERSITY, SOLAPUR
FACULTY OF ENGINEERING & TECHNOLOGY
Electronics & Telecommunication Engineering

Program Educational Objectives and Outcomes

Program Educational Objectives (PEO'S)

- 1 To prepare students to give good theoretical background with sound practical knowledge, enable them to analyze and solve Electronics and communication Engineering problems by applying basic principles of mathematics, science, and engineering and using modern tools and techniques.
- 2 To make students to test hardware components and software for offering solution to real life situations.
- 3 To inculcate students to be sensitive to ethical, societal and environmental issues while pursuing their professional duties.
- 4 To build strong fundamental knowledge amongst students to pursue higher education, and to enhance research and continue professional development in Electronics, communication and IT industries with attitude for lifelong learning.
- 5 To nurture students with technical and communication skills in order to be able to function on multidisciplinary fields and make them aware of contemporary issues at national and international levels.
- 6 To develop students for team working and managerial skills leading to entrepreneurship and leadership.

Program Outcomes (PO's)

1. An ability to apply knowledge of mathematics, science, and engineering,
2. An ability to design and conduct experiments, as well as to analyze and interpret data,
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability,
4. An ability to function on multidisciplinary teams,
5. An ability to identify, formulate, and solve engineering problems,
6. An understanding of professional and ethical responsibility,
7. An ability to communicate effectively,
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context,
9. A recognition of the need for, and an ability to engage in life-long learning,
10. A knowledge of contemporary issues, and
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.



SOLAPUR UNIVERSITY, SOLAPUR

FACULTY OF ENGINEERING & TECHNOLOGY

STRUCTURE OF B.E (Electronics & Telecommunication Engineering)

W.E.F 2015-16

B. E. (Electronics & Telecommunication Engineering) Semester- I

Sr. No.	Subject	Teaching Scheme				Examination Scheme				
		L	Tut	P	Total	Th.	TW	POE	OE	Total
1	Computer Communication Network	4	--	2	6	100	25	50	--	175
2	VLSI Design	4	--	2	6	100	25	50	--	175
3	Satellite Communication	3	1	--	4	100	25	--	--	125
4	Coding Theory	3	1	--	4	100	25	--	--	125
5	Elective – I	4	--	2	6	100	25	--	--	125
6	Seminar & Project	--	--	4	4	--	25	--	50	75
7	Vocational Training	--	--	--	--	--	25	--	--	25
Total		18	2	10	30	500	175	100	50	825

Elective – I **Advanced Telecommunication Network**
Image Processing
Advance DSP.

B. E. (Electronics & Telecommunication Engineering) Semester- II

Sr. No.	Subject	Teaching Scheme				Examination Scheme				
		L	Tut	P	Total	Th.	TW	POE	OE	Total
1	Broadband Communication	3	1	--	4	100	25	--	25	150
2	Multimedia Communication Techniques	4	--	2	6	100	25	--	50	175
3	Embedded Systems	4	--	2	6	100	25	--	50	175
4	Elective – II	4	--	2	6	100	25	--	--	125
5	Project	--	--	8	8	--	100	100	--	200
Total		15	1	14	30	400	200	100	125	825

Elective – II **Wireless Sensor Network**
Pattern Recognition
DSP Processors & Application

Note:

- Minimum strength of the students for Elective be 15.
- Term work assessment shall be a continuous process based on student's performance in class tests, assignments, homework, subject seminars, quizzes, laboratory books and their interaction and attendance for theory and lab sessions as applicable.

- The batch size for the practical's/tutorials be of 15 students. On forming the batches, if the strength of remaining students exceeds 7 students, then a new batch be formed. For project the group shall be of three students.

