

Yashwantrao Chavan College of Science Karad

Department of Electronics

PSOs for B.Sc. Electronics	
	Upon successful completion of the course, Students will be able to,
1) PSO1	Make students know internal details of the computer.
2) PSO2	Learn digital circuits and their working.
3) PSO3	To learn students latest trends in Electronics.
4) PSO4	solve different Network problems.
5) PSO5	Know 8085 structure and its working.
6) PSO6	Know 8051 structure and its working.
7) PSO7	Learning algorithm and make logic.
8) PSO8	Learn communication basics and implement them in practical.
9) PSO9	Learn practical skill.
10) PSO10	Make students learn research attitude.



MV
Head
Department of Electronics
Yashwantrao Chavan College Of Science, Karad

[Signature]
Principal
Yashwantrao Chavan College of Science, Karad



Course Outcome as per Bloom's Taxonomy	
B.Sc.I	
	Upon successful completion of the course, Students will be able to:
Network Analysis And Analog Electronics	CO1.Solve various network analysis theorems
	CO2.Learn Various analog circuits
	CO3. To provide opportunities to the students to acquire sound knowledge of Electronics science and technology.
Digital Integrated Circuits	CO1.Be aware of digital Electronics
	CO2.Learn digital integrated circuits
	CO3. To provide opportunity to students to learn the latest trends in Electronics..
Analog Electronics Circuits	1.Learn BJT
	2.Study Amplifiers
	3.Learn Feedback in amplifiers
	4. To provide opportunities to the students become researchers and developers to satisfy the needs of the core Electronics Industry
Linear and digital Integrated Circuits	1.Be aware of sequential circuits
	2.study Shift Registers
	3.Learn Opamps
	4. To provide opportunities to the students to formulate, analyze and solve real life problems faced in Electronics Industry.


Head

Department of Electronics
Yashwantrao Chavan College Of Science, Karad




Principal

Yashwantrao Chavan College of Science, Karad



B.Sc.II

	Upon successful completion of the course, Students will be able to:
Communication Electronics	CO1.-After studying this course the students are able to – Know basic communication
	CO2-Understand analog modulation & demodulation techniques
	CO3-Understand functioning of basic communication systems
	CO4-Understand satellite communication & navigation systems
Introduction to Microprocessor 8085	CO1 After studying this course the students are able to find binary no. system equivalents
	CO2 Understand microcomputer organization and architecture of μP 8085
	CO3 Understand 8051 family and architecture of μC 8051
	CO4 Understand instruction set and programming of μP 8085.
Digital Modulation and Mobile telephone system	CO1 Understand analog pulse modulation techniques viz. PAM, PWM & PPM.
	CO2 Understand digital pulse modulation techniques viz. ASK, FSK PSK & BPSK
	CO3 Understand digital pulse modulation techniques viz. ASK, FSK PSK & BPSK
	CO4 Understand mobile telephone system and networks Viz GSM, CDMA, TDMA & FDMA.
Microcontroller And Embedded System	CO1 Understand addressing modes and instruction sets of μC 8051.
	CO2 Understand facilities in μC 8051 viz. timer, time delay calculations in different modes and serial communications.
	CO3 Understand programming of μC 8051 and real world interfacing.
	CO4 Introduction to embedded system and programming in C.




HEAD
 Department of Electronics
 Yashwantrao Chavan College of Science,
 Karad




Principal
 Yashwantrao Chavan College of Science
 Karad

B.Sc.III

Course Name	Coursereoutcome(CO)
	Upon successful completion of the course,Students will be able to:
Electronics Instrumentation	CO1 To provide opportunities to the students become researchers and developers to satisfy the needs of the core Electronics Industry
Antenna and wave propogation	CO2 Understand functioning of basic communication systems
Microcontroller Interfacing and Applications	CO1 Understand addressing modes and instruction sets of μ C 8051.
	CO2 Understand facilities in μ C 8051 viz. timer, time delay calculations in different modes and serial communications.
	CO3 Understand programming of μ C 8051 and real world interfacing
	CO4 Introduction to embedded system and programming in C.
Power Electronics	CO1 To provide opportunities to the students become researchers and developers to satisfy the needs of the core Electronics Industry.
Electronics Instrumentation and robotics	CO1 To provide opportunities to the students become researchers and developers to satisfy the needs of the core Electronics Industry.
Optoelectronics and IOT	CO1 Understand functioning of advanced communication systems
Advanced Microcontroller :PIC	CO1 Understand addressing modes and instruction sets of PIC
	CO2 Understand facilities in PIC viz. timer, time delay calculations in different modes and serial
Industrial automation and PLC programming	CO1 To provide opportunities to the students become researchers and developers to satisfy the needs of the core Electronics Industry

my
HEAD
Department of Electronics
Yashwantrao Chavan College of Science,
Karad



[Signature]
Principal
Yashwantrao Chavan College of Science
Karad

Yashwantrao Chavan College of Science, Karad
Department Of Electronics
Program Outcomes

- **PO1**
Apply the knowledge of mathematics, science, and an Electronics specialization to the solution of complex Electronics problems.
- **PO2**
Design/Development of Solutions: Design solutions for complex Electronics problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **PO3**
Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **PO4**
Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern Electronics and IT tools including prediction and modeling to complex Electronics activities with an understanding of the limitations.
- **PO5**
Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the Electronics practice.
- **PO6**
Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multi disciplinary settings.
- **PO7**
Project Management and Finance: Demonstrate knowledge and understanding of the Electronics and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multi disciplinary environments.
- **PO8**
Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

