

# Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Electronics

Academic Year: 2024-25

Syllabus Completion Report


Name of the teacher: Dr. C. B. Patil

Subject: Electronics

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus covered	Not	Remarks
B.Sc.-II	III	DSC03ELE32 Microprocessor 8085	Unit 1: Microcomputer Organization: Unit 2: Architecture of 8085 Microprocessor Unit 3: Instruction Set of 8085 Unit 4: Programming with 8085 Microprocessor	Unit 1: Microcomputer Organization: Unit 2: Architecture of 8085 Microprocessor Unit 3: Instruction Set of 8085 Unit 4: Programming with 8085 Microprocessor	----		Completed
B.Sc.-II	III	MIN03ELE32 Architecture of 8051	Unit 1: Introduction to 8051 microcontroller Unit 2: Instruction Set of 8051 Unit 3: 8051 Timers programming Unit 4: 8051 Serial and Interrupts programming	Unit 1: Introduction to 8051 microcontroller Unit 2: Instruction Set of 8051 Unit 3: 8051 Timers programming Unit 4: 8051 Serial and Interrupts programming	----		Completed
B.Sc.-II	IV	DSC03ELE42: Microcontroller 8051	Unit 1: Introduction to 8051 microcontroller Unit 2: Instruction Set of 8051 Unit 3: 8051 Timers programming Unit 4: 8051 Serial and Interrupts programming	Unit 1: Introduction to 8051 microcontroller Unit 2: Instruction Set of 8051 Unit 3: 8051 Timers programming Unit 4: 8051 Serial and Interrupts programming	----		Completed
B.Sc.-II	IV	MIN03ELE42: 8051 Microcontroller Interfacing and Embedded C	Unit 1: Introduction to embedded C Unit 2: Interfacing of Input Output Devices Unit 3: ADC, DAC Interfacing Unit 4: Sensor Interfacing	Unit 1: Introduction to embedded C Unit 2: Interfacing of Input Output Devices Unit 3: ADC, DAC Interfacing Unit 4: Sensor Interfacing	----		Completed
B.Sc.-III	V	DSC-1005E2 8051 Microcontroller Interfacing	Unit 1: Introduction to embedded C Unit 2: Interfacing of Input Output Devices Unit 3: ADC, DAC Interfacing Unit 4: Sensor Interfacing	Unit 1: Introduction to embedded C Unit 2: Interfacing of Input Output Devices Unit 3: ADC, DAC Interfacing Unit 4: Sensor Interfacing	----		Completed
B.Sc.-III	VI	DSC-1005F2 Advanced Microcontroller	Unit 1: Embedded Systems Design Unit 2: Introduction to AVR microcontroller Unit 3: AVR Programming in C Unit 4: Peripheral Interfacing and Embedded System	Unit 1: Embedded Systems Design Unit 2: Introduction to AVR microcontroller Unit 3: AVR Programming in C Unit 4: Peripheral Interfacing and Embedded System	----		Completed
B.Sc.-II	III & IV	Practicals	32 Practicals	32 Practicals	----		Completed
B.Sc.-III	V & VI	Practicals	20 Practicals	20 Practicals	----		Completed

  
Dr. C. B. Patil



  
Dr. C. B. Patil

**HEAD**  
**DEPARTMENT OF ELECTRONICS**  
**VIVEKANAND COLLEGE, KOLHAPUR**  
**(EMPOWERED AUTONOMOUS)**



**Vivekanand College, Kolhapur**  
(An Empowered Autonomous Institute)

Department of Electronics

Academic Year: 2024-25

Statement of Syllabus Covered

Subject: Electronics

Name of the teacher: Mr. P. R. Bagade

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B. Sc.-II	III	<b>DSC03ELE31</b> Electronic Communication System	Unit 1:Electronic Communication Unit 2: Analog Modulation-Demod Unit 3: Analog Pulse Modulation Unit 4: Digital Pulse Modulation	Unit 1:Electronic Communication Unit 2: Analog Modulation- Demod Unit 3: Analog Pulse Modulation Unit 4: Digital Pulse Modulation	-----	Completed
B. Sc.-II	III	<b>MIN03ELE31</b> Electronics Communication	Unit 1:Electronic Communication Unit 2: AM Modulation - Demodulation Unit 3: Frequency Modulation (FM) and Demodulation Unit 4: Digital Pulse Modulation	Unit 1:Electronic Communication Unit 2: AM Modulation Demodulation Unit 3: Frequency Modulation (FM) and Demodulation Unit 4: Digital Pulse Modulation	-----	Completed
B. Sc.-II	IV	<b>DSC03ELE41</b> Operational Amplifier and Applications	Unit 1:Introduction to Op-amp Unit 2: Applications of Op-amp Unit 3: Oscillators Unit 4: Comparators and Rectifiers	Unit 1:Introduction to Op-amp Unit 2: Applications of Op-amp Unit 3: Oscillators Unit 4: Comparators and Rectifiers	-----	Completed
B. Sc.-II	IV	<b>MIN03ELE41</b> Fundamentals of Operational Amplifier	Unit 1: Basics of Operational Amplifier Unit 2: Linear Applications Unit 3: Non-Linear Applications Unit 4: Oscillators	Unit 1: Basics of Op- Amplifier Unit 2: Linear Applications Unit 3: Non-Linear Applications Unit 4: Oscillators		Completed
B. Sc.-III	V	<b>DSC-1005E3</b> Antenna and Wave Propagation	Unit 1:Antenna Basics Unit 2: Antenna Parameters Unit 3: Radiating wire Structures Unit 4: Radio Wave Propagation	Unit 1:Antenna Basics Unit 2: Antenna Parameters Unit 3: Radiating wire Structures Unit 4: Radio Wave Propagation	-----	Completed
B. Sc.-III	VI	<b>DSC-1005F3</b> Power Electronics	Unit 1:Power semiconductor devices Unit 2: Thyristors Unit 3: Controlled Rectifiers Unit 4: Power Systems	Unit 1:Power semiconductor devices Unit 2: Thyristors Unit 3: Controlled Rectifiers Unit 4: Power Systems	-----	Completed
B. Sc.-II	III & IV	Practicals	32 Practicals	32 Practicals	-----	Completed
B. Sc.-III	V & VI	Practicals	32 Practicals	32 Practicals	-----	Completed

Mr. P. R. Bagade



Dr. C. B. Patil

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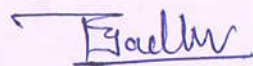
Academic Year: 2024-25

Syllabus Completion Report

Name of the teacher: Dr. P. S. Jadhav

Subject: Electronics

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc-I	I	2DSC03ELE12 Digital Electronics I	Unit-1: Number System, Binary Codes and Binary Arithmetic: Unit 2: Logic Gates, Boolean algebra Unit 3: Logic Families Unit 4: Combinational circuits	Unit-1: Number System, Binary Codes and Binary Arithmetic: Unit 2: Logic Gates, Boolean algebra Unit 3: Logic Families Unit 4: Combinational circuits	-----	Completed
B. Sc-I	II	2DSC03ELE22 Digital Electronics II	Unit-1: Sequential Circuit Unit-2: Shift registers and Counters Unit-3:A/D and D/A Converters Unit-4: Study of IC 555	Unit-1: Sequential Circuit Unit-2: Shift registers and Counters Unit-3:A/D and D/A Converters Unit-4: Study of IC 555	-----	Completed
B. Sc-III	VI	DSC-1005F4 Internet of Things (IoT)	Unit 1: Introduction to IoT Unit 2: Sensors and Actuators Unit 3: Wireless Technologies for IoT Unit 4: Cloud Platforms for IoT	Unit 1: Introduction to IoT Unit 2: Sensors and Actuators Unit 3: Wireless Technologies for IoT Unit 4: Cloud Platforms for IoT	-----	Completed
B. Sc-I	I & II	Practicals	26 Practicals	26 Practicals	-----	Completed



Dr. P.S. Jadhav



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