

Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Electronics

Academic Year: 2023-24

Syllabus Completion Report


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

Subject: Electronics

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not covered	Remarks
B.Sc.-II	III	DSC-1005C Section-II 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	IV	DSC-1005D Section-II 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.-III	V	DSC-1005E2 Section -II 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: Real World Interfacing of 8051 Unit 3: Serial communication in 8051 Unit 4: Applications of 8051	-----	Completed
B.Sc.-II	III & IV	Practicals	32 Practicals	29 Practicals	-----	Completed
B.Sc.-III	V & VI	Practicals	32 Practicals	32 Practicals	-----	Completed


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Statement of Syllabus Covered

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

Subject: Electronics

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B. Sc-I	I	DSC-1005C Section-I Electronics Communication	Unit 1: Indian Astronomy Unit 2: Maths in Ancient and Medieval India	Unit 1: Indian Astronomy Unit 2: Maths in Ancient and Medieval India	-----	Completed
B. Sc-II	III	DSC-1005C Section-I Electronics Communication	Unit 1:Electronic Communication Unit 2: Analog Modulation- Demodulation Unit 3: Analog Pulse Modulation Unit 4: Digital Pulse Modulation	Unit 1:Electronic Communication Unit 2: Analog Modulation- Demodulation Unit 3: Analog Pulse Modulation Unit 4: Digital Pulse Modulation	-----	Completed
B. Sc-II	IV	DSC-1005D Section-I Advance Communication	Unit 1:Introduction to Operational Amplifier Unit 2: Applications of Op-amp Unit 3: Oscillators Unit 4: Comparators and Rectifiers	Unit 1:Introduction to Operational Amplifier Unit 2: Applications of Op-amp Unit 3: Oscillators Unit 4: Comparators and Rectifiers	-----	Completed
B. Sc-III	V	DSC-1005E3 Antenna and Wave Propagation	Unit 1:Antenna Basics Unit 2: Antenna as a Transmitter Unit 3: Radiating wire Structures Unit 4: Radio Wave Propagation	Unit 1:Antenna Basics Unit 2: Antenna as a Transmitter Unit 3: Radiating wire Structures Unit 4: Radio Wave Propagation	-----	Completed
B. Sc-III	VI	DSC-1005F3 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	SEC : Skill Enhancement Experiments	12 Practicals	12 Practicals	-----	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



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Syllabus Completion Report


Name of the teacher: Mr. N. P. Mote

Subject: Electronics

Class	Sem	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remark
B. Sc. -I	I	DSC03ELE11 Analog Electronics I	Unit 1:Basic circuit elements Unit 2:Circuit analysis Unit 3:PN Junction diode Unit 4: DC Power supply	Unit 1:Basic circuit elements Unit 2:Circuit analysis Unit 3:PN Junction diode Unit 4: DC Power supply	-----	Completed
B. Sc. -I	I	MIN03ELE11 Analog Electronics I	Unit 1:Basic circuit elements Unit 2:Circuit analysis Unit 3:PN Junction diode Unit 4: DC Power supply	Unit 1:Basic circuit elements Unit 2:Circuit analysis Unit 3:PN Junction diode Unit 4: DC Power supply	-----	Completed
B. Sc. -I	II	DSC03ELE21 Analog Electronics I	Unit 1:Bipolar Junction transistor Unit 2:Unopolar devices Unit 3:Amplifiers Unit 4: Feedback Amplifiers and oscillators	Unit 1:Bipolar Junction transistor Unit 2:Unopolar devices Unit 3:Amplifiers Unit 4: Feedback Amplifiers and oscillators	-----	Completed
B. Sc. -I	II	MIN03ELE21 Analog Electronics I	Unit 1:Bipolar Junction transistor Unit 2:Unopolar devices Unit 3:Amplifiers Unit 4: Feedback Amplifiers and oscillators	Unit 1:Bipolar Junction transistor Unit 2:Unopolar devices Unit 3:Amplifiers Unit 4: Feedback Amplifiers and oscillators	-----	Completed
B. Sc. -III	V and VI	Practicals	28 Practicals	28 Practicals	-----	Completed


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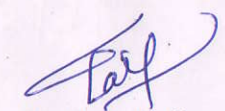
Name of the teacher: **Dr. P. S. Jadhav**

Subject: **Electronics**

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.Sc.-I	I	DSC03ELE12 MIN03ELE12 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	DSC03ELE22 MIN03ELE22 Digital Electronics II	Unit-1: Sequential Circuit Unit-2: Shift registers and Counters Unit-3: Data converters Unit -4: Study of Timer IC 555	Unit-1: Sequential Circuit Unit-2: Shift registers and Counters Unit-3: Data converters Unit -4: Study of Timer IC555	----	Completed
B.Sc.-I	II	SEC-I: SEC03ELE21: Circuit simulation Lab	23 Practicals (1 Batch)	23 Practicals (1 Batch)	----	Completed
B.Sc.-II	III	Practicals	32 practicals (1 Batch)	32 practicals (1 Batch)	----	Completed
B.Sc.-I	I & II	Practicals	25 Practicals (2 batches)	25 Practicals (2 batches)	----	Completed


Dr. P.S. Jadhav





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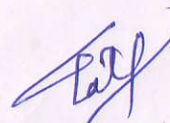
Vivekanand College, Kolhapur (Empowered Autonomous)
 Department Electronics Academic Year: 2023-24
 Syllabus Completion Report

Name of the teacher: Dr. M. S. Patil

Subject: Electronics

Class	Sem	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remark
B. Sc. -III	V	DSE 1005 F2 Advanced Microcontroller	Unit 1:Embedded system design Unit 2:Introduction to AVR microcontroller Unit 3:AVR programming in C Unit 4: Periferal Interfacing and Embedded system	Unit 1:Embedded system design Unit 2:Introduction to AVR microcontroller Unit 3:AVR programming in C Unit 4: Periferal Interfacing and Embedded system	-----	Completed
B. Sc. -III	VI	DSE 1005 F4 Internet of things	Unit 1:IoT introduction and Concepts Unit 2:Sensors and Actuators Unit 3:Wireless Technologies for IoT Unit 4: Cloud platforms for IoT	Unit 1:IoT introduction and Concepts Unit 2:Sensors and Actuators Unit 3:Wireless Technologies for IoT Unit 4: Cloud platforms for IoT	-----	Completed
B. Sc. -III	V and VI	Practicals	28 Practical	28 Practical	-----	Completed


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Syllabus Completion Report

Name of the teacher: Mr. G. B. Jirage

Subject: Electronics

Class	Sem	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remark
B. Sc. -I	I	OEC03ELE11 Circuit Fundamentals – I	Unit 1:Electricity Unit 2:DC circuits Unit 3:Kirchhoff's Laws and theorems Unit 4: AC Fundamentals	Unit 1:Electricity Unit 2:DC circuits Unit 3:Kirchhoff's Laws and theorems Unit 4: AC Fundamentals	-----	Completed
	II	OEC03ELE21 Circuit Fundamentals – II	Unit 1:Passive Circuit Elements- I Unit 2: Passive Circuit Elements-II Unit 3:Curcuit controllers Unit 4: Voltage and Current sources	Unit 1:Passive Circuit Elements- I Unit 2: Passive Circuit Elements-II Unit 3:Curcuit controllers Unit 4: Voltage and Current sources	-----	Completed
B. Sc. -III	III	DSE 1005 E2 Industrial Process control and PLC programming	Unit 1:Introduction of control system Unit 2:Components of Control system Unit 3:Introduction to PLC Unit 4: Ladder Programming basics	Unit 1:Introduction of control system Unit 2:Components of Control system Unit 3:Introduction to PLC Unit 4: Ladder Programming basics	-----	Completed
B. Sc. -I	I and II	Practicals	18 Practicals	18 Practicals	-----	Completed

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