

Vivekanand College, Kolhapur (Autonomous)

Department of Electronics


Academic Year: 2021-22

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.-I	II	DSC-1005B Section- I Analog Electronics-II	Unit 1: Bipolar Junction Transistor: Unit 2: Unipolar Devices Unit 3: Amplifiers Unit 4: Feedback Amplifier and Oscillators	Unit 1: Bipolar Junction Transistor: Unit 2: Unipolar Devices Unit 3: Amplifiers Unit4:Feedback Amplifier and Oscillators	-----	Completed
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: Timers, Serial port and Interrupts(Assembly)programming of 8051 Unit 4: Interfacing of Devices with 8051	Unit 1: Introduction to 8051 microcontroller Unit 2: Instruction Set of 8051 Unit 3: Timers, Serial port and Interrupts(Assembly)programming of 8051 Unit 4: Interfacing of Devices with 8051	-----	Completed
B.Sc.-III	V	DSC-1005E1 Section -II 8051 Microcontroller Interfacing and Embedded C	Unit 1: Introduction to embedded C Unit 2: Real World Interfacing of 8051 Unit 3: Serial communication in 8051 Unit 4: Applications of 8051	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	29 Practicals	29 Practicals	-----	Completed
B.Sc.-III	V & VI	Practicals	25 Practicals	25 Practicals	-----	Completed


Dr. C. B. Patil




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Head
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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-II	III	DSC-1005C Section-I Electronics Communication	Unit 1:Electronic Communication Unit 2: Analog Modulation- Demodulation Unit 3: Satellite communication	Unit 1:Electronic Communication Unit 2: Analog Modulation- Demodulation Unit 3: Satellite communication	-----	Completed
B. Sc-II	IV	DSC-1005D Section-I Advance Communication	Unit 1: Analog Pulse Modulation Unit 2: Digital Pulse Modulation Unit 3: Mobile Telephony System	Unit 1: Analog Pulse Modulation Unit 2: Digital Pulse Modulation Unit 3: Mobile Telephone System	-----	Completed
B. Sc-III	V	DSC-1005E2 Section -II 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-1005F2 Section - I 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




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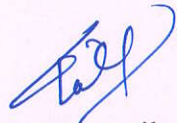
Name of the Teacher: Mr. N. P. Mote

Subject: Electronics

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B. Sc-III	V	DSE 1005E2 Instrumentation, Antenna and Wave Propagation	1) Measurements, Instrument & Calibration:- 2) Transducers and Sensors:- 3) Signal Conditioning and Data Acquisition System: 4) Digital Instruments:-	1) Measurements, Instrument & Calibration:- 2) Transducers and Sensors:- 3) Signal Conditioning and Data Acquisition System: 4) Digital Instruments:-	-----	Completed
B.Sc.-III	III & IV	Practicals	Practicals	Practicals	-----	Completed
B.Sc.-II	III & IV	Practicals	Practicals	Practicals	-----	Completed
B.Sc. -I	VI	Practicals	Practicals	Practicals	-----	Completed


Mr. N. P. Mote




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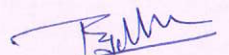
Academic Year: 2021-22

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	DSC-1005A Section-II 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	DSC-1005B Section-II Digital Electronics II	Unit-1: Sequential Circuit Unit-2: Shift registers and Counters Unit-3: Data converters Unit -4: Study of Timer IC555	Unit-1: Sequential Circuit Unit-2: Shift registers and Counters Unit-3: Data converters Unit -4: Study of Timer IC555	-----	Completed
B.Sc.-III	V	DSC-1005E2 Section - I Linear Integrated Circuit	Unit 1: Operational Amplifier and Linear IC's Unit 2: Applications of Op-amp Unit 3: Precision Rectifier and Active filters Unit 4: Phase Locked Loops (PLL)	Unit 1: Operational Amplifier and Linear IC's Unit 2: Applications of Op-amp Unit 3: Precision Rectifier and Active filters Unit 4: Phase Locked Loops (PLL)	-----	Completed
B.Sc.-III	VI	DSC-1005F2 Section - II FPGA and VHDL Programming	Unit 1: Introduction to Programmable Logic Devices Unit 2: Basics of VHDL Unit 3: VHDL Programming Unit 4: Sequential and Combinational Circuit Design	Unit 1: Introduction to Programmable Logic Devices Unit 2: Basics of VHDL Unit 3: VHDL Programming Unit 4: Sequential and Combinational Circuit Design	-----	Completed
B.Sc.-I	I & II	Practicals	25 Practical (2 batches)	25 Practical (2 batches)	-----	Completed
B.Sc.-III	VI	SEC-4	Unit 1: Introduction to Arduino Board & Accessories : Unit 2: Display Interfacing:	Unit 1: Introduction to Arduino Board & Accessories : Unit 2: Display Interfacing:	-----	Completed


Dr. P.S. Jadhav




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Syllabus Completion Report

Name of the teacher: Dr. Milind S. Patil

Subject: Electronics

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B. Sc-III	VI	DSE1005 F1 Section II Industrial Process Control, PLC Programming and Advanced Microcontroller 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 Unit 5: Designing of an 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 Unit 5: Designing of an Embedded System	-----	Completed
B.Sc.-III	V & VI	Practicals	27 Practical	27 Practical	-----	Completed
B.Sc.-III	VI	SEC 4 Embedded system design using Arduino	Unit 3: Display interfacing Unit 4: Interfacing sensors	Unit 3: Display interfacing Unit 4: Interfacing sensors	-----	Completed

Dr. Milind S. Patil



Dr. C.B. Patil

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Syllabus Completion Report

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

Subject: Electronics

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not Covered	Remarks
B.Sc-I	I	DSC-1005A Section-I Analog Electronics	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	DSC-1005B Section-I Digital Electronics	Unit 3: Data converters Unit 4: Study of Timer IC 555	Unit 3: Data converters Unit 4: Study of Timer IC 555	-----	Completed
B. Sc-III	VI	DSC-1005F1 Section I : Industrial Process control and PLC programming	Unit 1:Introduction to control system Unit 2:Components of control system Unit 3: Introduction to PLC Unit 4: Ladder programming Basics	Unit 1:Introduction to control system Unit 2:Components of control system Unit 3: Introduction to PLC Unit 4: Ladder programming Basics	-----	Completed
B. Sc-I	I & II	Practicals	25 Practicals(2.5 batches)	25 Practicals(2.5 batches)	-----	Completed
B. Sc-III	V	Practicals B.Sc III SEC-3	Unit 1: Introduction Renewable Energy Unit 2: Solar energy Unit 3: Wind Energy harvesting Unit 4: Ocean Energy and Geothermal Energy, Hydro Energy: Unit 5:Piezoelectric Energy harvesting	Unit 1: Introduction Renewable Energy Unit 2: Solar energy Unit 3: Wind Energy harvesting Unit 4: Ocean Energy and Geothermal Energy, Hydro Energy: Unit 5:Piezoelectric Energy harvesting	-----	Completed

Mr. G. B. Jirage



Dr. C. B. Patil
Head

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