

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

Department of Electronics

Academic Year: 2025-26

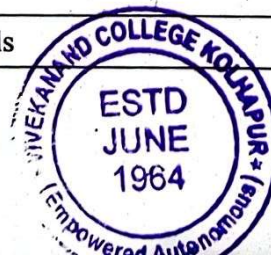
Statement of Syllabus Covered

Subject: Electronics

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

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B. Sc.-II	III	DSC03ELE31 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	MIN03ELE31 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	DSC03ELE41 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	MIN03ELE41 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	DSC-1005E3 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	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	Practicals	32 Practicals	32 Practicals	----	Completed
B. Sc.-III	V & VI	Practicals	32 Practicals	32 Practicals	----	Completed

Dr. P. R. Bagade



Dr. P. R. Bagade
HEAD
DEPARTMENT OF ELECTRONICS
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)
Department of Electronics
Academic Year: 2025-26
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	V	MIN03ELE51 (Fundamentals of IoT)	UNIT-1: Introduction to IoT Unit 2: Sensors & Actuators Unit 3: Communication Technologies for IoT Unit 4 : Implementing IoT with Arduino:	UNIT-1: Introduction to IoT Unit 2: Sensors & Actuators Unit 3: Communication Technologies for IoT Unit 4 : Implementing IoT with Arduino:	---	Completed
B. Sc-III	V	MIN03ELE61	UNIT I: IoT Protocols UNIT II: Cloud Platforms Unit III: Basic Networking with ESP8266 Unit IV: IoT Case Studies	UNIT I: IoT Protocols UNIT II: Cloud Platforms Unit III: Basic Networking with ESP8266 Unit IV: IoT Case Studies	---	Completed
B. Sc-III	VI	DSE03ELE61 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
B. Sc-III	V & VI	Practicals	32 Practical's	32 Practicals	---	Completed


Dr. P.S. Jadhav




Dr. C. B. Patil

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

Vivekanand College, Kolhapur (Autonomous)

Department of Electronics

Academic Year: 2025-26

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	2DSC02ELE11 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	2DSC02ELE21 Section-I Digital Electronics	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	IV	VSC Practicals	11 Practicals	11 Practicals	-----	Completed
B. Sc-III	V	DSC1005F1 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
	VI	Practicals	5 Practicals	5 Practicals	-----	Completed
B. Sc-I	I & II	Practicals	25 Practicals (3 batches)	22 Practicals (3 batches)	-----	Completed

Mr. G. B. Jirage



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: 2025-26

Syllabus Completion Report

Name of the teacher: Mr. R. A. Deshmukh

Subject: Electronics

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B. Sc-III	V	2DSC03ELE51 FUNDAMENTLAS OF INSTRUMENTATION	Unit 1: Fundamentals of Measurement Unit 2: Basic Analog Measuring Instruments Unit 3: Transducers Unit 4: Actuators	Unit 1: Fundamentals of Measurement Unit 2: Basic Analog Measuring Instruments Unit 3: Transducers Unit 4: Actuators	----	Completed
B. Sc-III	VI	2DSC03ELE61 INDUSTRIAL INSTRUMENTATION	Unit 1: Signal Conditioning-I Unit 2: Signal Conditioning-II Unit 3: Digital Instruments Unit 4: Application of Linear ICs	Unit 1: Signal Conditioning-I Unit 2: Signal Conditioning-II Unit 3: Digital Instruments Unit 4: Application of Linear ICs	----	Completed
B. Sc-II	III & IV	Practicals	24 Practical's	24 Practical's	----	Completed

Mr. R.A. Deshmukh,



Dr. C. B. Patil

HEAD

DEPARTMENT OF ELECTRONICS
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)