SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)

EXAMINATION CIRCULAR NO. 116 OF. 2024

PROGRAMME OF F.E.(2019 COURSE)(CREDIT SYSTEM)

Examination of MAR/APR-2024

(Under Faculty of SCIENCE AND TECHNOLOGY: B)ENGINEERING)

INSTRUCTIONS FOR CANDIDATES

- Candidates are required to be present at the examination centre, THIRTY MINUTES before the stipulated time.

- Candidates are forbidden from taking any material into the examination hall that can be treated as a malpractice.

- Candidates are requested to see the Notice Board at their center of examination regularly for changes if any that may be notified later in the program.

- No request shall be granted for change in time or date for the University Examination on any ground.

- Candidates are requested to note the Day, Date and Time of Paper.

- Candidates are permitted to use stencils at the time of examination.

- The exchanges of side-rules, drawing instruments of other materials used in the examination hall is not permitted at the time of examination. Candidates must bring their own instruments and will not be allowed to borrow from each other under any circumstances.

- Use of non-programmable battery operated electronic pocket size Calculator is allowed. The exchange of Calculators is not allowed. Electronics Devices including mobile are not allowed at the time of examination.

- The written examination will be conducted in the following order.

SEMESTER – I/II

Time:- 10.00 AM To 12.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	107001	ENGINEERING MATHEMATICS-I
Thursday 16-05-2024	107002	ENGINEERING PHYSICS
Friday 17-05-2024	102003	SYSTEMS IN MECHANICAL ENGINEERING
Saturday 18-05-2024	107009	ENGINEERING CHEMISTRY
Wednesday 22-05-2024	103004	BASIC ELECTRICAL ENGINEERING
Saturday 25-05-2024	104010	BASIC ELECTRONICS ENGINEERING
Tuesday 28-05-2024	101011	ENGINEERING MECHANICS
Thursday 30-05-2024	110005	PROGRAMMING AND PROBLEM SOLVING
Saturday 01-06-2024	107008	ENGINEERING MATHEMATICS – II
Monday 03-06-2024	102012	ENGINEERING GRAPHICS

Ganeshkhind, Pune - 411 007

Ref.No/XCT/223

Date: 02/04/2024   **Director,**

Board of Examinations and Evaluation

SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)

EXAMINATION CIRCULAR NO. 135 OF. 2024

SECOND YEAR ENGINEERING (2019 PATTERN)

END SEM-EXAMINATION TIMETABLE MARCH/APRIL - 2024

(Under Faculty of SCIENCE AND TECHNOLOGY: B) ENGINEERING)

INSTRUCTIONS FOR CANDIDATES

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4. No request shall be granted for change in time or date for the University Examination on any ground.

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8. Use of non-programmable battery operated electronic pocket size Calculator is allowed. The exchange of Calculators is not allowed. Electronics Devices including mobile are not allowed at the time of examination.

9. The written examination will be conducted in the following order.

CIVIL ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	201008	Geotechnical Engineering
Saturday 18-05-2024	201009	Survey
Wednesday 22-05-2024	201010	Concrete Technology
Saturday 25-05-2024	201011	Structural Analysis
Tuesday 28-05-2024	201012	Project management

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	201001	Building Technology and Architectural Planning
Friday 17-05-2024	201002	Mechanics of structure
Tuesday 21-05-2024	201003	Fluid Mechanics
Friday 24-05-2024	207001	Engineering Mathematics III
Monday 27-05-2024	207009	Engineering Geology

ELECTRICAL ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	203145	Power System - I
Saturday 18-05-2024	203146	Electrical Machines - I
Wednesday 22-05-2024	203147	Network Analysis
Saturday 25-05-2024	203148	Numerical Methods & Computer Programming
Tuesday 28-05-2024	203149	Fundamental of Microcontroller and Applications

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	203141	Power Generation Technologies
Friday 17-05-2024	203142	Material Science
Tuesday 21-05-2024	203143	Analog and Digital Electronics
Friday 24-05-2024	203144	Electrical Measurement & Instrumentation
Monday 27-05-2024	207006	Engineering Mathematics -III

ELECTRONICS / ELECTRONICS & TELECOMMUNICATIN ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	204191	Signals & Systems *
Saturday 18-05-2024	204192	Control Systems
Wednesday 22-05-2024	204193	Principles of Communication Systems *
Saturday 25-05-2024	204194	Object Oriented Programming *

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	207005	Engineering Mathematics III *
Friday 17-05-2024	204181	Electronic Circuits
Tuesday 21-05-2024	204182	Digital Circuits*
Friday 24-05-2024	204183	Electrical Circuits
Monday 27-05-2024	204184	Data structures

* Common with Electronics & Computer Engineering

ELECTRONICS & COMPUTER ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	204191	Signals & Systems *
Saturday 18-05-2024	204206	Principles of Programming Language
Wednesday 22-05-2024	204193	Principles of Communication System *
Saturday 25-05-2024	204194	Object Oriented Programming *
Tuesday 28-05-2024	204207	System Programming & Operating Systems

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	207005	Engineering Mathematics III *
Friday 17-05-2024	204202	Electronic Circuits
Tuesday 21-05-2024	204182	Digital Circuits *
Friday 24-05-2024	204184	Data structures & Algorithms
Monday 27-05-2024	204203	Computer Organization

* Common with Electronics / Electronics & Telecommunication Engineering

COMPUTER ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	207003	Engineering Mathematics III # **
Saturday 18-05-2024	210252	Data Stuctures and Algorithms *
Wednesday 22-05-2024	210253	Software Engineering *
Saturday 25-05-2024	210254	Microprocessor
Tuesday 28-05-2024	210255	Principles of Programming Languages

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	210241	Discrete Mathematics # *
Friday 17-05-2024	210242	Fundamentals of Data Structures *
Tuesday 21-05-2024	210243	Object Oriented Programming (OOP) # *
Friday 24-05-2024	210244	Computer Graphics # *
Monday 27-05-2024	210245	Digital Electronics and Logic Design

Common with COMPUTER SCIENCE & DESIGN ENGINEERING

* Common with ARTIFICIAL INTELLIGNCE & DATA SCIENCE ENGINEERING

** Common with Information Technology Engineering

ARTIFICIAL INTELLIGENCE & DATA SCIENCE ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	217528	Statistics
Saturday 18-05-2024	210252	Data Structures and Algorithms *
Wednesday 22-05-2024	210253	Software Engineering *
Saturday 25-05-2024	217529	Internet of Things
Tuesday 28-05-2024	217530	Management Information System

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	210241	Discrete Mathematics *
Friday 17-05-2024	210242	Fundamentals of Data Structures *
Tuesday 21-05-2024	210243	Object Oriented Programming *
Friday 24-05-2024	210244	Computer Graphics *
Monday 27-05-2024	217521	Operating Systems

* Common with Computer Engineering

COMPUTER SCIENCE & DESIGN ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	207003	Engineering Mathematics - III *
Saturday 18-05-2024	218253	Data Structures and Files
Wednesday 22-05-2024	218254	Operating Systems
Saturday 25-05-2024	218255	Computer Networks
Tuesday 28-05-2024	218256	Design Thinking

SEMESTER – III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	210241	Discrete Mathematics *
Friday 17-05-2024	218242	Data Structure And Algorithms
Tuesday 21-05-2024	210243	Object Oriented Programming (OOP) *
Friday 24-05-2024	210244	Computer Graphics *
Monday 27-05-2024	218245	Logic Design and Computer Architecture

* Common with Computer Engineering

INFORMATIOM TECHNOLOGY ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	207003	Engineering Mathematics-III **
Saturday 18-05-2024	214451	Processor Architecture
Wednesday 22-05-2024	214452	Database Management System
Saturday 25-05-2024	214453	Computer Graphics
Tuesday 28-05-2024	214454	Software Engineering

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	214441	Discrete Mathematics
Friday 17-05-2024	214442	Logic Design and Computer Organization
Tuesday 21-05-2024	214443	Data Structures and Algorithms
Friday 24-05-2024	214444	Object Oriented Programming
Monday 27-05-2024	214445	Basic of Computer Network

** Common with Computer Engineering

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	207003	Engineering Mathematics-III *
Saturday 18-05-2024	218552	Operating Systems
Wednesday 22-05-2024	218553	Fundamentals of Artificial Intelligence and Machine Learning
Saturday 25-05-2024	218554	Database Management System
Tuesday 28-05-2024	218555	Computer Graphics

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	218541	Discrete Mathematics
Friday 17-05-2024	218542	Data Structures & Algorithms
Tuesday 21-05-2024	218543	Computer Networks
Friday 24-05-2024	218544	Object Oriented Programming
Monday 27-05-2024	218545	Software Engineering

* Common with Computer

B.TECH. BIOTECHNOLOGY

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	215470	Biochemistry II
Saturday 18-05-2024	215471	Cell Biology & Tissue Culture
Wednesday 22-05-2024	215472	Thermodynamics
Saturday 25-05-2024	215473	Genetics & Molecular Biology

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	207004	Engineering Mathematics III *
Friday 17-05-2024	215461	Biochemistry I
Tuesday 21-05-2024	215462	Fluid Flow & Unit Operations
Friday 24-05-2024	215463	Heat transfer
Monday 27-05-2024	215464	Microbiology

* Common with Printing & Chemical Engineering

CHEMICAL ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	209347	Industrial Chemistry II
Saturday 18-05-2024	209348	Heat Transfer
Wednesday 22-05-2024	209349	Principles of Design
Saturday 25-05-2024	209350	Chemical Technology I
Tuesday 28-05-2024	209351	Mechanical Operations

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	207004	Engineering Mathematics -III *
Friday 17-05-2024	209341	Industrial Chemistry I
Tuesday 21-05-2024	209342	Fluid Mechanics
Friday 24-05-2024	209343	Engineering Materials
Monday 27-05-2024	209344	Process Calculations

* Common with Printing & Biotechnology

PRODUCTION ENGINEERING AND INDUSTRIAL ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	203050	Electrical and Electronics Engineering *
Saturday 18-05-2024	211091	Theory of Machines *
Wednesday 22-05-2024	211092	Design of Machine Elements *
Saturday 25-05-2024	211093	Advanced Materials
Tuesday 28-05-2024	211094	Industrial Engineering and Management *

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	207007	Engineering Mathematics -III *
Friday 17-05-2024	211081	Heat and Fluid Engineering *
Tuesday 21-05-2024	211082	Strenght of Materials *
Friday 24-05-2024	211083	Manufacturing Processes -I *
Monday 27-05-2024	211084	Materials Science and Metallurgy *

* Common with Production Engineering (Sandwich)

PRODUCTION ENGINEERING (SANDWICH)

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	203050	Electrical and Electronics Engineering *
Saturday 18-05-2024	211091	Theory of Machines *
Wednesday 22-05-2024	211092	Design of Machine Elements *
Saturday 25-05-2024	211121	Manufacturing Process- II
Tuesday 28-05-2024	211094	Industrial Engineering and Management *

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	207007	Engineering Mathematics -III *
Friday 17-05-2024	211081	Heat and Fluid Engineering *
Tuesday 21-05-2024	211082	Strengh of Materials *
Friday 24-05-2024	211083	Manufacturing Processes -I *
Monday 27-05-2024	211084	Materials Science and Metallurgy *

* Common with Production Engineering

PRINTING ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	203155	Electrical Machines and Utilization
Saturday 18-05-2024	208286	Finishing Techniques
Wednesday 22-05-2024	208287	Introduction to Packaging Concepts
Saturday 25-05-2024	208288	Microprocessor and Microcontroller Techniques in Printing
Tuesday 28-05-2024	208289	Print Production Techniques

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	207004	Engineering Mathematics III *
Friday 17-05-2024	202060	Theory of Printing Machine and M/c. Components
Tuesday 21-05-2024	208281	Introduction to Printing Processes
Friday 24-05-2024	208282	Material Science in Printing and Packaging
Monday 27-05-2024	208283	Printing Digital Electronics

* Common with B.Tech. Biotechnology & Chemical Engineering

* Common with Production Engineering (Sandwich)

ROBOTICS & AUTOMATION(RA) ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	211508	Industrial Engineering and Management
Saturday 18-05-2024	211509	Control System Engineering
Wednesday 22-05-2024	211510	Design of Machine Elements
Saturday 25-05-2024	211511	Metrology and Quality Assurance
Tuesday 28-05-2024	211512	Computer Graphics for Robotics

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	207007	Engineering Mathematics-III *
Friday 17-05-2024	211501	Industrial Electronics and Electrical Technology
Tuesday 21-05-2024	211082	Strength of Materials *
Friday 24-05-2024	211502	Manufacturing Technology
Monday 27-05-2024	211503	Materials Science and Engineering Metallurgy

* Common with Production Engineering

AUTOMOBILE & MECHANICAL ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	202047	Kinematics of Machinery *
Saturday 18-05-2024	202048	Applied Thermodynamics
Wednesday 22-05-2024	202049	Fluid Mechanics
Saturday 25-05-2024	202050	Manufacturing Processes
Tuesday 28-05-2024	207002	Engineering Mathematics - III *

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	202041	Solid Mechanics *
Friday 17-05-2024	202042	Solid Modeling and Drafting *
Tuesday 21-05-2024	202043	Engineering Thermodynamics *
Friday 24-05-2024	202044	Engineering Materials and Metallurgy *
Monday 27-05-2024	203156	Electrical and Electronics Engineering *

* Common with Mechanical Sandwich

MECHANICAL SANDWICH ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	202047	Kinematics of Machinery *
Saturday 18-05-2024	202062	FLUID MECHANICS & MACHINERY
Wednesday 22-05-2024	202063	MANUFACTURING ENGINEERING
Saturday 25-05-2024	202061	THERMAL ENGINEERING
Tuesday 28-05-2024	207002	Engineering Mathematics - III *

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	202041	Solid Mechanics *
Friday 17-05-2024	202042	Solid Modeling and Drafting *
Tuesday 21-05-2024	202043	Engineering Thermodynamics *
Friday 24-05-2024	202044	Engineering Materials and Metallurgy *
Monday 27-05-2024	203156	Electrical and Electronics Engineering *

* Common with Automobile & Mechanical Engineering

AUTOMATION & ROBOTICS ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	202047	Kinematics of Machinery *
Saturday 18-05-2024	202524	Principles of Robotics
Wednesday 22-05-2024	202523	Fluid & Thermal Engineering
Saturday 25-05-2024	202050	Manufacturing Processes *
Tuesday 28-05-2024	207002	Engineering Mathematics - III *

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	202041	Solid Mechanics *
Friday 17-05-2024	202042	Solid Modeling and Drafting *
Tuesday 21-05-2024	202521	Electrical Technology
Friday 24-05-2024	202044	Engineering Materials and Metallurgy *
Monday 27-05-2024	202522	Industrial Electronics

* Common with Automobile & Mechanical Engineering

MECHATRONICS ENGINEERING

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	217547	Kinematics of Machinery
Saturday 18-05-2024	217548	Fluid Mechanics and Machinery
Wednesday 22-05-2024	217549	Electrical Machines and drive
Saturday 25-05-2024	217550	Sensor and Actuator
Monday 27-05-2024	217551	Applications of Integrated Circuits

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	217542	Heat and Mass Transfer
Friday 17-05-2024	217543	Digital Electronics
Tuesday 21-05-2024	217544	Analysis of Mechanical Structure
Friday 24-05-2024	217541	Engineering Material
Tuesday 28-05-2024	207002	Engineering Mathematics - III *

* Common with Automobile & Mechanical Engineering

INSTRUMENTATION

SEMESTER - IV

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Thursday 16-05-2024	206268	Control Systems
Saturday 18-05-2024	206269	Digital Electronics
Wednesday 22-05-2024	206270	Process Loop Elements
Saturday 25-05-2024	206271	Signals and Systems
Tuesday 28-05-2024	206272	Data Structures

SEMESTER - III

Time:-02.00 PM To 04.30 PM

Day & Date	Paper Code	Subject
Wednesday 15-05-2024	206261	Sensors and Transducers
Friday 17-05-2024	206262	Linear Integrated Circuits
Tuesday 21-05-2024	206263	Electrical Measurements & Instrumentation
Friday 24-05-2024	206264	Control System Components
Monday 27-05-2024	207008	Engineering Mathematics III

Ganeshkhind, Pune - 411 007

Ref.No/XCT :- 250

Date : - 13 / 04 / 2024

Director,

Board of Examinations and Evaluation

SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)

THIRD YEAR ENGINEERING (2019 PATTERN)

Endsem Examination of March / April - 2024

(Under Faculty of SCIENCE AND TECHNOLOGY: B)ENGINEERING)

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CIVIL ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Hydrology and Water Resources Engineering (301001)
Saturday 18-05-2024	Water Supply Engineering (301002)
Wednesday 22-05-2024	Design of Steel Structures (301003) # (**Time : 10:00 AM To 01:00 PM**)
Saturday 25-05-2024	Engineering Economics and Financial Management (301004)
Tuesday 28-05-2024	**ELECTIVE-I** Advanced Fluid Mechanics and Hydraulic Machines (301005 a)
	ELECTIVE-I Research Methodology and IPR (301005 b)
	ELECTIVE-I Construction Management. (301005 c)
	ELECTIVE-I Advanced Concrete Technology (301005 d)
	ELECTIVE-I Matrix Methods of Structural Analysis (301005 e)
	ELECTIVE-I Advanced Mechanics of Structures (301005 f)

Note : - # Please Note the time

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Waste Water Engineering (301012)
Friday 17-05-2024	Design of RC Structures (301013) # (**Time : 10:00 AM To 01:00 PM**)
Tuesday 21-05-2024	Remote Sensing and GIS (301014)
Friday 24-05-2024	**ELECTIVE-II** Advanced Engineering Geology with Rock Mechanics (301015 a)
	ELECTIVE-II Soft Computing Techniques (301015 b)
	ELECTIVE-II Advanced Surveying. (301015 c)
	ELECTIVE-II Advanced Geotechnical Engineering (301015 d)
	ELECTIVE-II Architecture and Town Planning (301015 e)
	ELECTIVE-II Solid Waste Management (301015 f)

Note : - # Please Note the time

CHEMICAL ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Mass Transfer-I (309341)
Saturday 18-05-2024	Chemical Technology -II (309342)
Wednesday 22-05-2024	Chemical Engineering Mathematics (309343)
Saturday 25-05-2024	Chemical Engineering Thermodynamics (309344)
Tuesday 28-05-2024	**ELECTIVE-I** Chemical Industry Management (309345A)
	ELECTIVE-I Food Technology (309345 B)
	ELECTIVE-I Polymer Engineering (309345 C)
	ELECTIVE-I Downstream Processing (309345 D)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Chemical Reaction Engineering I (309348)
Friday 17-05-2024	Mass Transfer II (309349)
Tuesday 21-05-2024	Transport Phenomena (309350)
Friday 24-05-2024	**ELECTIVE-II** Energy Conservation in Chemical Process Industries (309351 A)
	ELECTIVE-II Process Instrumentation and Control (309351 B)
	ELECTIVE-II Corrosion Engineering (309351 C)
	ELECTIVE-II Artificial intelligence and Data Science (309351 D)

COMPUTER ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Database Management Systems (310241) *
Saturday 18-05-2024	Theory of Computation (310242)
Wednesday 22-05-2024	Systems Programming and Operating System (310243)
Saturday 25-05-2024	Computer Networks and Security (310244)
Tuesday 28-05-2024	**ELECTIVE-I** Internet of Things and Embedded Systems (310245 A)
	ELECTIVE-I Human Computer Interface (310245 B) *
	ELECTIVE-I Distributed Systems (310245 C)
	ELECTIVE-I Software Project Management (310245 D)

Note :- * Common with A.I.D.S.

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Data Science and Big Data Analytics (310251)
Friday 17-05-2024	Web Technology (310252)
Tuesday 21-05-2024	Artificial Intelligence (310253)
Friday 24-05-2024	**ELECTIVE-II** Information Security (310254 A)
	ELECTIVE-II Augmented and Virtual Reality (310254 B)
	ELECTIVE-II Cloud Computing (310254 C) *
	ELECTIVE-II Software Modeling and Architectures (310254 D)*

Note :- * Common with A.I.D.S.

Artificial Intelligence and Data Science Engineering

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Data Base Management System (310241) *
Saturday 18-05-2024	Computer Networks (317521)
Wednesday 22-05-2024	Web Technology (310252)
Saturday 25-05-2024	Artificial Intelligence (310253)
Tuesday 28-05-2024	**ELECTIVE-I** Embedded Systems & Security (317522 A)
	ELECTIVE-I Design Thinking (314445 C) **
	ELECTIVE-I Pattern Recognition (317522 B)
	ELECTIVE-I Human Computer Interface (310245 B) *

Note :- *Common with Computer Engineering*
          ** *Common with Information Technology*

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Data Science (317529)
Friday 17-05-2024	Cyber security (317530)
Tuesday 21-05-2024	Artificial Neural Network (317531)
Friday 24-05-2024	**ELECTIVE-II** Robotics and Automation (317532 A)
	ELECTIVE-II Natural Language Processing (317532B)
	ELECTIVE-II Cloud Computing (310254 C) *
	ELECTIVE-II Software Modeling and Architecture (310254 D)*

Note :- *Common with Computer Engineering*

ELECTRICAL ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday **16-05-2024**	Industrial and Technology Management (303141)
Saturday **18-05-2024**	Power Electronics (303142)
Wednesday **22-05-2024**	Electrical Machines-II (303143)
Saturday **25-05-2024**	Electrical Installation Design and Condition Based Maintenance (303144)
Tuesday **28-05-2024**	**ELECTIVE-I** Advanced Microcontroller and Embedded System (303145 A)
	ELECTIVE-I Digital Signal Processing (303145 B)
	ELECTIVE-I Open Elective (303145 C)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday **15-05-2024**	Power System-II (303148)
Friday **17-05-2024**	Computer Aided Design of Electrical Machines (303149)
Tuesday **21-05-2024**	Control System Engineering (303150)
Friday **24-05-2024**	**ELECTIVE-II** IoT and its Applications in Electrical Engineering (303151 A)
	ELECTIVE-II Electrical Mobility (303151 B)
	ELECTIVE-II Cybernetic Engineering (303151 C)
	ELECTIVE-II Energy Management (303151 D)

ELECTRONICS ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday **16-05-2024**	Power and Industrial Electronics (304201)
Saturday **18-05-2024**	Electromagnetic Waves and Propagation Theory (304202)
Wednesday **22-05-2024**	Database Management (304183) *
Saturday **25-05-2024**	Microcontrollers and Applications (304204)
Tuesday **28-05-2024**	**ELECTIVE-I** Instrumentation systems (304205)
	ELECTIVE-I Machine Learning (304205)
	ELECTIVE-I Fundamentals of JAVA Programming (304185) *
	ELECTIVE-I Data Communication (304205)
	ELECTIVE-I Computer Networks (304205)
Note :- * Common with E&TC	

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday **15-05-2024**	Fundamentals of HDL (304212)
Friday **17-05-2024**	Embedded Processors and Applications (304213)
Tuesday **21-05-2024**	Industrial Management (304214)
Friday **24-05-2024**	**ELECTIVE-II** PLC & Automation (304215)
	ELECTIVE-II Advanced JAVA Programming (304195) *
	ELECTIVE-II Digital Signal Processing (304215)
	ELECTIVE-II Fiber Optic Communication (304215)
	ELECTIVE-II e Mobility (304215)

Note : *Common with E&TC

ELECTRONICS & TELECOMMUNICATION ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Digital Communication (304181)
Saturday 18-05-2024	Electromagnetic Field Theory (304182)
Wednesday 22-05-2024	Database Management (304183) *
Saturday 25-05-2024	Microcontrollers (304184)
Tuesday 28-05-2024	**ELECTIVE-I** Digital Signal Processing (304185)
	ELECTIVE-I Electronic Measurements (304185)
	ELECTIVE-I Fundamentals of JAVA Programming (304185) *
	ELECTIVE-I Computer Networks (304185)
Note :- * Common with Electronics	

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Cellular Networks (304192)
Friday 17-05-2024	Project Management (304193)
Tuesday 21-05-2024	Power Devices & Circuits (304194)
Friday 24-05-2024	**ELECTIVE-II** Digital Image Processing (304195)
	ELECTIVE-II Sensors in Automation (304195)
	ELECTIVE-II Advanced JAVA Programming (304195) *
	ELECTIVE-II Embedded Processors (304195)
	ELECTIVE-II Network Security (304195)
Note :- * Common with Electronics	

Electronics and Computer Engineering

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Database Management Systems (310341)
Saturday 18-05-2024	Advanced Java Programming (310342)
Wednesday 22-05-2024	Data Communication (310343)
Saturday 25-05-2024	Microcontroller and Applications (310344)
Tuesday 28-05-2024	**ELECTIVE-I** Distributed Systems (310345 A)
	ELECTIVE-I Block Chain Technology (310345 B)
	ELECTIVE-I Digital Signal Processing (310345 C)
	ELECTIVE-I Sensors and Applications (310345 D)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Software Engineering and Project Management (310352)
Friday 17-05-2024	Computer Networks and Security (310353)
Tuesday 21-05-2024	Embedded Processors & Applications (310354)
Friday 24-05-2024	**ELECTIVE-II** Software Modeling and Design (310355 A)
	ELECTIVE-II Advanced Database Management Systems (310355 B)
	ELECTIVE-II Power Electronics (310355 C)
	ELECTIVE-II PLC and Automation (310355 D)

INFORMATION TECHNOLOGY ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday **16-05-2024**	Theory of Computation (314441)
Saturday **18-05-2024**	Operating Systems (314442)
Wednesday **22-05-2024**	Machine Learning (314443)
Saturday **25-05-2024**	Human Computer Interaction (314444)
Tuesday **28-05-2024**	**ELECTIVE-I** Design and Analysis of Algorithm (314445 A)
	ELECTIVE-I Advanced Database and Management System (314445 B)
	ELECTIVE-I Design Thinking (314445 C) *
	ELECTIVE-I Internet of Things (314445 D)

*** Common with A.I.D.S.**

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday **15-05-2024**	Computer Networks & Security (314451)
Friday **17-05-2024**	Data Science and Big Data Analytics (314452)
Tuesday **21-05-2024**	Web Application Development (314453A)
Friday **24-05-2024**	**ELECTIVE-II** Artificial Intelligence (314454 A)
	ELECTIVE-II Cyber Security (314454 B)
	ELECTIVE-II Cloud Computing (314454 C)
	ELECTIVE-II Software Modeling and Design (314454 D)

INSTRUMENTATION & CONTROL ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Embedded Systems (306261)
Saturday 18-05-2024	Industrial Automation-I (306262)
Wednesday 22-05-2024	Modern Control Theory (306263)
Saturday 25-05-2024	Operating System (306264)
Tuesday 28-05-2024	ELECTIVE-I Mechatronics & Robotics (306265 A)
	ELECTIVE-I Data Science (306265 B)
	ELECTIVE-I Power Electronics (306265 C)
	ELECTIVE-I Bio-Medical Instrumentation (306265 D)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Internet of Things (306268)
Friday 17-05-2024	Industrial Automation-II (306269)
Tuesday 21-05-2024	Digital Signal Processing (306270)
Friday 24-05-2024	ELECTIVE-II Building Automation (306271 A)
	ELECTIVE-II Machine Learning (306271 B)
	ELECTIVE-II Electrical Drives (306271 C)
	ELECTIVE-II Analytical Instrumentation (306271 D)

AUTOMOBILE ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday **16-05-2024**	Numerical & Optimization Methods (316481)
Saturday **18-05-2024**	Heat Transfer (316482)
Wednesday **22-05-2024**	Design of Machine Components (316483)
Saturday **25-05-2024**	Automobile Electrical and Electronics (316484)
Tuesday **28-05-2024**	**ELECTIVE-I** Advanced Forming & Joining Processes (302045-A)*
	ELECTIVE-I Machining Science and Technology (302045-B)*

Note :- * Common with Mechanical

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday **15-05-2024**	Automotive Refrigeration and Air Conditioning (316485)
Friday **17-05-2024**	Automotive Chassis and Transmission (316486)
Tuesday **21-05-2024**	Design of Engine Components (316487)
Friday **24-05-2024**	**ELECTIVE-II** Automotive Aerodynamics and Body Engineering (316488-A)
	ELECTIVE-II Automotive Materials (316488-B)

MECHANICAL ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday **16-05-2024**	Numerical & Statistical Methods (302041) *
Saturday **18-05-2024**	Heat & Mass Transfer (302042) *
Wednesday **22-05-2024**	Design of Machine Elements (302043) *
Saturday **25-05-2024**	Mechatronics (302044) *
Tuesday **28-05-2024**	**ELECTIVE-I** Advanced Forming & Joining Processes (302045-A) **
	ELECTIVE-I Machining Science & Technology (302045-B) **

NOTE:- *** Common to Mechanical Sandwich Engineering***
      ***** Common to Automobile Engineering***

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday **15-05-2024**	Artificial Intelligence & Machine Learning (302049)
Friday **17-05-2024**	Computer Aided Engineering (302050)
Tuesday **21-05-2024**	Design of Transmission Systems (302051) # (**Time : 10:00 AM To 01:00 PM**)
Friday **24-05-2024**	**ELECTIVE-II** Composite Materials (302052-A)
	ELECTIVE-II Surface Engineering (302052-B)

Note : - # Please Note the time

MECHANICAL-SANDWICH ENGINEERING

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Numerical & Statistical Methods (302041) *
Saturday 18-05-2024	Heat & Mass Transfer (302042) *
Wednesday 22-05-2024	Design of Machine Elements (302043) *
Saturday 25-05-2024	Mechatronics (302044) *
Tuesday 28-05-2024	Fundamentals of Computer Aided Engineering (302061)

NOTE:- *Common to Mechanical Engineering*

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Process Planning & Tool Selection (Self-Study-I) (302066)
Friday 17-05-2024	Advanced Materials & Manufacturing (Self-Study-II) (302067)

Automation and Robotics Engineering

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Design of Robot Elements (302521)
Saturday 18-05-2024	Robot Kinematics and Dynamics (302522)
Wednesday 22-05-2024	Computer Aided Engineering and Manufacturing (302523)
Saturday 25-05-2024	Signal Processing and Conditioning (302524)
Tuesday 28-05-2024	**ELECTIVE-I** Advanced Forming & Joining Processes (302525-A)
	ELECTIVE-I Optimization Techniques (302525-B)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Sensors and Vision Systems in Robots (302527)
Friday 17-05-2024	Artificial Intelligence in Robots (302528)
Tuesday 21-05-2024	Modelling and Simulation (302529)
Friday 24-05-2024	**ELECTIVE-II** Machining Science and Technology (302530-A)
	ELECTIVE-II Maintenance and Safety Engineering (302530-B)

B. Tech. Biotechnology Engineering

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday **16-05-2024**	Analytical Techniques (315461)
Saturday **18-05-2024**	Material Balances and Stoichiometry (315462)
Wednesday **22-05-2024**	Genetic Engineering (315463)
Saturday **25-05-2024**	Introduction to Immunology (315464)
Tuesday **28-05-2024**	**ELECTIVE-I** Enzyme Technology (315465 A)
	ELECTIVE-I Good Laboratory Practices and Good Manufacturing Practices (315465 B)
	ELECTIVE-I Agricultural Biotechnology (315465 C)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday **15-05-2024**	Fermentation Technology (315471)
Friday **17-05-2024**	Mass Transfer (315472)
Tuesday **21-05-2024**	Bioseparation Engineering (315473)
Friday **24-05-2024**	**ELECTIVE-II** Instrumentation and Process Control (315474 A)
	ELECTIVE-II Food Biotechnology (315474 B)
	ELECTIVE-II Data base management systems (315474 C)

Printing Engineering

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday **16-05-2024**	Print Statistics (308281)
Saturday **18-05-2024**	Offset Printing Techniques (308282)
Wednesday **22-05-2024**	Color Science and Measurement (308283)
Saturday **25-05-2024**	Ink Technology (308284)
Tuesday **28-05-2024**	**ELECTIVE-I** Cyber Security (308286 A)
	ELECTIVE-I Wood, Glass and Metal Based Packaging (308286 B)
	ELECTIVE-I Engineering Ethics (308286 C)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday **15-05-2024**	Flexo Printing Techniques (308289)
Friday **17-05-2024**	Color Management (308290)
Tuesday **21-05-2024**	Design of Experiments (308291)
Friday **24-05-2024**	**ELECTIVE-II** Maintenance Management of Printing Machines (308293 A)
	ELECTIVE-II Basic Communication Systems and Electronic Instrumentation (308293 B)
	ELECTIVE-II E-Publishing (308293 C)

Production Engineering

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday **16-05-2024**	Engineering Metrology and Instrumentation (311081 A)
Saturday **18-05-2024**	Material Forming Technology (311082 A)
Wednesday **22-05-2024**	Machining Science and Technology (311083 A)
Saturday **25-05-2024**	Kinematics and Design of Machines (311084 A)
Tuesday **28-05-2024**	**ELECTIVE-I** Finite Element Analysis (311085 A)-I
	ELECTIVE-I Advances in Manufacturing Processes (311085 A)-II
	ELECTIVE-I Mechatronics (311085 A)-III
	ELECTIVE-I Supply Chain Management (311085 A)-IV

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday **15-05-2024**	Production Tooling (311088 (A)
Friday **17-05-2024**	Production and Operations Management (311089) (A)
Tuesday **21-05-2024**	Process Engineering and Resource Planning (311090 (A)
Friday **24-05-2024**	**ELECTIVE-II** Product Design and Development (311091 A)-I
	ELECTIVE-II Nano Manufacturing (311091 A)-II
	ELECTIVE-II Statistics and Numerical Methods (311091 A)-III
	ELECTIVE-II Financial Management and Costing (311091 A)-IV

Production Sandwich

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday **16-05-2024**	Manufacturing Technology (Self Study) (311122)(A)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday **15-05-2024**	Kinematics and Design of Machines (311084 A)
Friday **17-05-2024**	Material forming and Mould Design (311124 A)
Tuesday **21-05-2024**	Metrology & Quality Control (311125 A)
Friday **24-05-2024**	Statistics and Numerical Optimization methods (311088 A)
Monday **27-05-2024**	**ELECTIVE-II** Advanced Materials (311126 A)-I
	ELECTIVE-II Costing and Cost Control (311126 A)-II
	ELECTIVE-II Advanced Joining Technology (311126 A)-III
	ELECTIVE-II World Class Manufacturing (311126 A)-IV

Mechatronics Engineering

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday **16-05-2024**	Machine Design (317541)
Saturday **18-05-2024**	Manufacturing Processes (317542)
Wednesday **22-05-2024**	Control System (317543)
Saturday **25-05-2024**	Digital Signal Processing (317544)
Tuesday **28-05-2024**	Microcontrollers (317545)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday **15-05-2024**	Industrial Automation (317547)
Friday **17-05-2024**	Electro-Mechanical System (317548)
Tuesday **21-05-2024**	Finite Element Analysis (317549)
Friday **24-05-2024**	Embedded System Design (317550)
Monday **27-05-2024**	Artificial Intelligence & Machine Learning (317551)

Robotics and Automation Engineering

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday 16-05-2024	Embedded systems in Robotics (311501 A)
Saturday 18-05-2024	Hydraulics and Pneumatics (311502 A)
Wednesday 22-05-2024	Robot Kinematics and Dynamics (311503 A)
Saturday 25-05-2024	Sensors Technology (311504 A)
Tuesday 28-05-2024	**ELECTIVE-I** Statistics and Numerical Methods (311505 A)-I
	ELECTIVE-I Finite Element Analysis (311505 A)-II
	ELECTIVE-I Industrial Robotics and Material handling Systems (311505 A)-III
	ELECTIVE-I Intelligent Manufacturing System (311505 A)-IV

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday 15-05-2024	Robot Programming (311508 A)
Friday 17-05-2024	Artificial Intelligence for Robotics (311509 A)
Tuesday 21-05-2024	Flexible Manufacturing Systems (311510 A)
Friday 24-05-2024	**ELECTIVE-II** Micro-electro-mechanical Systems (311511A)-I
	ELECTIVE-II Humanoid Robots (311511 A)-II
	ELECTIVE-II Modeling and Simulation (311511 A)-III
	ELECTIVE-II Swarm Intelligence in Robotics (311511 A)-IV

Artificial Intelligence and Machine Learning

SEM-I

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Thursday **16-05-2024**	Design and analysis of Algorithm (318541)
Saturday **18-05-2024**	IoT with Artificial Intelligence (318542)
Wednesday **22-05-2024**	Web Technology (318543)
Saturday **25-05-2024**	Management & Entrepreneurship for IT Industry (318544)
Tuesday **28-05-2024**	**ELECTIVE-I** Robotics (318545 A)
	ELECTIVE-I Pattern Recognition (318545 B)
	ELECTIVE-I Information Security (318545 C)
	ELECTIVE-I Business Intelligence (318545 D)

SEM-II

Day & Date	2019 Course Time : 10:00 AM To 12:30 PM
Wednesday **15-05-2024**	Machine intelligence for Data Science (318552)
Friday **17-05-2024**	Data Mining & Warehousing (318553)
Tuesday **21-05-2024**	Artificial Neural Network (318554)
Friday **24-05-2024**	**ELECTIVE-II** Industrial Internet of Things (318555 A)
	ELECTIVE-II Brain computer interface (318555 B)
	ELECTIVE-II AI for cyber security (318555 C)
	ELECTIVE-II Video Analytics (318555 D)

Computer Science and Design

SEM-I

Day & Date	2021 Course Time : 10:00 AM To 12:30 PM
Thursday **16-05-2024**	Software Engineering and Project Management (318241)
Saturday **18-05-2024**	Theory of Computation (318242)
Wednesday **22-05-2024**	Database System Design (318243)
Saturday **25-05-2024**	Design and analysis of Algorithm (318244)
Tuesday **28-05-2024**	**ELECTIVE-I** Internet of Things (318245 A)
	ELECTIVE-I Pattern Recognition (318245 B)
	ELECTIVE-I Distributed Systems (318245 C)
	ELECTIVE-I Data Mining and warehousing (318245 D)

SEM-II

Day & Date	2021 Course Time : 10:00 AM To 12:30 PM
Wednesday **15-05-2024**	ARTIFICIAL INTELLIGENCE (318251)
Friday **17-05-2024**	WEB TECHNOLOGY & APPLICATION DESIGN (318252)
Tuesday **21-05-2024**	UI/UX DESIGN (318253)
Friday **24-05-2024**	**ELECTIVE-II** MULTIMEDIA TECHNIQUES (318254 A)
	ELECTIVE-II AUGMENTED AND VIRTUAL REALITY (318254 B)
	ELECTIVE-II CLOUD COMPUTING (318254 C)
	ELECTIVE-II BUSINESS INTELLIGENCE AND DATA ANALYTICS (318254 D)

HONORS / MINORS

SEM-I

Day & Date	Honors / Minors	Time : Time : 10:00 AM To 12:30 PM
Thursday 30-05-2024	Artificial Intelligence And Machine	Computational Statistics (310301)
	Cyber Security	Information and Cyber Security (310401)
	Data Science	Data Science and Visualization (310501)
	Internet of Things	Embedded Systems and Internet of Things (310601)
	Virtual Reality And Augmented Reality	Virtual Reality (310701)
	Systems Engineering	Foundations of systems & systems engineering (302041MJ)
	Energy Management in Utility Systems	Energy Management (302021MJ)
	Electric Vehicles	e-Vehicle Technology (302031MJ)
	3D Printing	Additive Manufacturing Technology (302011MJ)
	Robotics	Principles of Robotics (304181 HR)
	Block Chain Technology	Introduction to Block chain (304181 HBCT)
	Metro Construction	Surveying in Metro construction (301301)
	Architecture and Town Planning	Urban Housing and Infrastructure Planning (301401)
	Advanced Packaging Technology	Internet of Things (308211)

HONORS / MINORS

SEM-II

Day & Date	Honors / Minors	Time : 10:00 AM To 12:30 PM
Wednesday 29-05-2024	Artificial Intelligence And Machine	Artificial Intelligence (310303)
	Cyber Security	Enterprise Architecture and Components (310403)
	Data Science	Statistics and Machine Learning (310503)
	Internet of Things	Internet of Things Architectures, Protocols and Systems Programming (310603)
	Virtual Reality And Augmented Reality	Augmented Reality (310703)
	Systems Engineering	Model Based Systems Engineering (302043MJ)
	Energy Management in Utility Systems	Energy Efficiency of Thermal Utilities (302023MJ)
	Electric Vehicles	e-Vehicle System Design (302033MJ)
	3D Printing	Design for Additive Manufacturing (302013MJ)
	Robotics	Robot Programming & Simulation (304183 HR)
	Block Chain Technology	Decentralize & Blockchain Technologies (304183 HBCT)
	Metro Construction	Planning and Quantity estimation for metro construction (301303)
	Architecture and Town Planning	Sustainable Architecture and Landscape Design (301403)
	Advanced Packaging Technology	Smart Packaging (308213)

Ganeshkhind, Pune - 411 007

Ref.No/ XCT/ 249

Date: 13 / 04 / 2024   **Director**

Board of Examinations and Evaluation

SAVITRIBAI PHULE PUNE UNIVERSITY

(Formerly University of Pune)

EXAMINATION CIRCULAR NO.117 OF. 2024

BACHELOR OF ENGINEERING(2019 COURSE)

Examination of APR./MAY.-2024

(Under Faculty of SCIENCE AND TECHNOLOGY : B)ENGINEERING)

INSTRUCTIONS FOR CANDIDATES

- Candidates are required to be present at the examination centre, THIRTY MINUTES before the stipulated time.

- Candidates are forbidden from taking any material into the examination hall that can be treated as a malpractice.

- Candidates are requested to see the Notice Board at their center of examination regularly for changes if any that may be notified later in the program.

- No request shall be granted for change in time or date for the University Examination on any ground.

- Candidates are requested to note the Day, Date and Time of Paper.

- Candidates are permitted to use stencils at the time of examination.

- The exchanges of side-rules, drawing instruments of other materials used in the examination hall is not permitted at the time of examination. Candidates must bring their own instruments and will not be allowed to borrow from each other under any circumstances.

- Use of non-programmable battery operated electronic pocket size Calculator is allowed. The exchange of Calculators is not allowed. Electronics Devices including mobile are not allowed at the time of examination.

- The written examination will be conducted in the following order.

B.E. AUTOMOBILE

SEMESTER - VII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Thursday 09/05/2024	416481	Automotive Testing and Certification
Tuesday 14/05/2024	416482	Machine and Vehicle Dynamics
Thursday 16/05/2024	416483	Industrial Engineering* Time:- **2.00 PM. TO 4.00 PM.**
Saturday 18/05/2024	416484 A	(ELECTIVE - III) Artificial Intelligence and Machine Learning
	416484 B	(ELECTIVE - III) Automotive Control Systems
	402044 E	(ELECTIVE - III) Internet of Things**
Wednesday 22/05/2024	416485 A	(ELECTIVE - IV) Finite Elements Analysis
	416485 B	(ELECTIVE - IV) Computational Fluid Dynamics

SEMESTER - VIII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	416489	Hybrid and Electric Vehicle
Saturday 11/05/2024	416490	Automotive System Design
Friday 17/05/2024	416491 A	(ELECTIVE - V) Alternative Fuels and Emission control
	416491 B	(ELECTIVE - V) Renewable Energy
Tuesday 21/05/2024	416492 A	(ELECTIVE - VI) Transport Management and Automobile Industry
	416492 B	(ELECTIVE - VI) Automotive Safety
	416492 C	(ELECTIVE - VI) Process Planning and Cost Estimation

NOTE: -

* PLEASE NOTE THE TIME

** COMMON WITH MECHANICAL ENGINEERING

BIOTECHNOLOGY

SEMESTER - VII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Thursday 09/05/2024	415461	Biochemical Engineering
Tuesday 14/05/2024	415462	Bioinformatics
Saturday 18/05/2024	415463 A	(ELECTIVE - III) Bioprocess Equipment Design
	415463 B	(ELECTIVE - III) Environmental Biotechnology
	415463 C	(ELECTIVE - III) Genomics
Wednesday 22/05/2024	415464 A	(ELECTIVE - IV) Bioenergy and Renewable Resources
	415464 B	(ELECTIVE - IV) Nanotechnology
	415464 C	(ELECTIVE - IV) Stem Cell Biology and Regenerative Medicine

SEMESTER - VIII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	415471	Bioprocess Modeling and Simulation
Saturday 11/05/2024	415472	Plant Engineering and Project costing
Friday 17/05/2024	415473 A	(ELECTIVE - V) Biomaterials
	415473 B	(ELECTIVE - V) Molecular diagnostics
	415473 C	(ELECTIVE - V) Bio-therapeutics Technology
Tuesday 21/05/2024	415474 A	(ELECTIVE - VI) Management and Entrepreneurship
	415474 B	(ELECTIVE - VI) IPR, Intellectual Property Rights.
	415474 C	(ELECTIVE - VI) Industrial Organization and Management

B.E. CHEMICAL

SEMESTER - VII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Thursday 09/05/2024	409341	Process Dynamics and Control
Tuesday 14/05/2024	409342	Chemical Reaction Engineering- II
Thursday 16/05/2024	409343	Chemical Engineering Design
Saturday 18/05/2024	409344 A	(ELECTIVE - III) Environmental Engineering
	409344 B	(ELECTIVE - III) Membrane Technology
	409344 C	(ELECTIVE - III) Industrial Piping
	409344 D	(ELECTIVE - III) Petroleum Refining
Wednesday 22/05/2024	409345 A	(ELECTIVE - IV) Chemical Process Synthesis
	409345 B	(ELECTIVE - IV) Industrial Management &Entrepreneurship
	409345 C	(ELECTIVE - IV) Green Technology
	409345 D	(ELECTIVE - IV) Advance Separation Processes

SEMESTER - VIII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	409349	Process Modeling and Simulation
Saturday 11/05/2024	409350	Process Engineering Costing & Plant Design
Friday 17/05/2024	409351 A	(ELECTIVE - V) Energy Audit and Conservation
	409351 B	(ELECTIVE - V) Chemical Process Safety
	409351 C	(ELECTIVE - V) Computational Fluid Dynamics
	409351 D	(ELECTIVE - V) Advanced Materials
Tuesday 21/05/2024	409352 A	(ELECTIVE - VI) Catalysis
	409352 B	(ELECTIVE - VI) Nanotechnology
	409352 C	(ELECTIVE - VI) Fuel Cell Technology
	409352 D	(ELECTIVE - VI) Petrochemical Engineering

B.E. CIVIL

SEMESTER - VII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Thursday 09/05/2024	401001	Foundation Engineering
Tuesday 14/05/2024	401002	Transportation Engineering
Saturday 18/05/2024	401003 A	(ELECTIVE - III) Coastal Engineering
	401003 B	(ELECTIVE - III) Advanced Design of Concrete Structures Time:- 2.00 PM. TO 5.00 PM.
	401003 C	(ELECTIVE - III) Integrated Water Resources Planning & Management
	401003 D	(ELECTIVE - III) Finite Element Method
	401003 E	(ELECTIVE - III) Data Analytics
	401003 F	(ELECTIVE - III) Operation Research
Wednesday 22/05/2024	401004 A	(ELECTIVE - IV) Air Pollution and Control
	401004 B	(ELECTIVE - IV) Advanced Design of Steel Structures Time:- 2.00 PM. TO 5.00 PM.
	401004 C	(ELECTIVE - IV) Statistical Analysis and Computational Method
	401004 D	(ELECTIVE - IV) Airport and Bridge Engineering
	401004 E	(ELECTIVE - IV) Design of Prestressed Concrete Structures Time:- 2.00 PM. TO 5.00 PM.
	401004 F	(ELECTIVE - IV) Formwork and Plumbing Engineering

NOTE: -

* PLEASE NOTE THE TIME

B.E. CIVIL

SEMESTER - VIII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	401011	Dams and Hydraulics Structures
Saturday 11/05/2024	401012	Quantity Surveying, Contracts and Tenders **Time:- 2.00 PM. TO 5.00 PM.**
Friday 17/05/2024	401013 A	(ELECTIVE - V) Earthquake Engineering
	401013 B	(ELECTIVE - V) Structural Design of Bridges
	401013 C	(ELECTIVE - V) Irrigation and Drainage
	401013 D	(ELECTIVE - V) Design of Precast and Composite Structures
	401013 E	(ELECTIVE - V) Hydropower Engineering
	401013 F	(ELECTIVE - V) Structural Audit and Retrofitting of Structures
Tuesday 21/05/2024	401014 A	(ELECTIVE - VI) TQM and MIS
	401014 B	(ELECTIVE - VI) Advanced Transportation Engineering
	401014 C	(ELECTIVE - VI) Geo Synthetic Engineering
	401014 D	(ELECTIVE - VI) Structural Design of Foundations
	401014 E	(ELECTIVE - VI) Green Structures and Smart Cities
	401014 F	(ELECTIVE - VI) Rural Water Supply and Sanitation

NOTE: -

* PLEASE NOTE THE TIME

B.E. COMPUTER

SEMESTER - VII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Thursday 09/05/2024	410241	Design and Analysis of Algorithms
Tuesday 14/05/2024	410242	Machine Learning
Thursday 16/05/2024	410243	Blockchain Technology
Saturday 18/05/2024	410244 A	(ELECTIVE - III) Pervasive Computing
	410244 B	(ELECTIVE - III) Multimedia Techniques
	410244 C	(ELECTIVE - III) Cyber Security and Digital Forensics
	410244 D	(ELECTIVE - III) Object Oriented Modeling and Design
	410244 E	(ELECTIVE - III) Digital Signal Processing
Wednesday 22/05/2024	410245 A	(ELECTIVE - IV) Information Retrieval
	410245 B	(ELECTIVE - IV) GPU Programming and Architecture
	410245 C	(ELECTIVE - IV) Mobile Computing
	410245 D	(ELECTIVE - IV) Software Testing and Quality Assurance
	410245 E	(ELECTIVE - IV) Compilers

SEMESTER - VIII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	410250	High Performance Computing
Saturday 11/05/2024	410251	Deep Learning
Friday 17/05/2024	410252 A	(ELECTIVE - V) Natural Language Processing
	410252 B	(ELECTIVE - V) Image Processing
	410252 C	(ELECTIVE - V) Software Defined Networks
	410252 D	(ELECTIVE - V) Advanced Digital Signal Processing
Tuesday 21/05/2024	410253 A	(ELECTIVE - VI) Pattern Recognition
	410253 B	(ELECTIVE - VI) Soft Computing
	410253 C	(ELECTIVE - VI) Business Intelligence
	410253 D	(ELECTIVE - VI) Quantum Computing

B.E. ELECTRICAL

SEMESTER - VII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Thursday 09/05/2024	403141	Power System Operation & Control
Tuesday 14/05/2024	403142	Advanced Control System
Saturday 18/05/2024	403143 A	(ELECTIVE - III) PLC and SCADA
	403143 B	(ELECTIVE - III) Power Quality Management
	403143 C	(ELECTIVE - III) High Voltage Engineering
	403143 D	(ELECTIVE - III) Robotics and Automation
Wednesday 22/05/2024	403144 A	(ELECTIVE - IV) Alternate Energy System
	403144 B	(ELECTIVE - IV) Electrical & Hybrid Vehicle
	403144 C	(ELECTIVE - IV) Special-purpose Machines
	403144 D	(ELECTIVE - IV) HVDC & FACTS

SEMESTER - VIII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	403148	Switchgear and Protection
Saturday 11/05/2024	403149	Advanced Electrical Drives & Control
Friday 17/05/2024	403150 A	(ELECTIVE - V) Digital Control System
	403150 B	(ELECTIVE - V) Restructuring and Deregulation
	403150 C	(ELECTIVE - V) Smart Grid
	403150 D	(ELECTIVE - V) Sensor Technology (Open Elective)
Tuesday 21/05/2024	403151 A	(ELECTIVE - VI) EHV AC Transmission
	403151 B	(ELECTIVE - VI) Illumination Engineering
	403151 C	(ELECTIVE - VI) Electromagnetic Fields
	403151 D	(ELECTIVE - VI) AI and ML (Open Elective)

B.E. ELECTRONICS & TELECOMMUNICATION

SEMESTER - VII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Thursday 09/05/2024	404181	Radiation & Microwave Theory
Tuesday 14/05/2024	404182	VLSI Design and Technology
Thursday 16/05/2024	404183	Cloud Computing
Saturday 18/05/2024	404184 A	(ELECTIVE - III) Speech Processing
	404184 B	(ELECTIVE - III) PLC SCADA & Automation
	404184 C	(ELECTIVE - III) JAVA Script
	404184 D	(ELECTIVE - III) Embedded & RTOS
	404184 E	(ELECTIVE - III) Modernized IoT
Wednesday 22/05/2024	404185 A	(ELECTIVE - IV) Data Mining
	404185 B	(ELECTIVE - IV) Electronic Product Development
	404185 C	(ELECTIVE - IV) Deep Learning
	404185 D	(ELECTIVE - IV) Low Power CMOS
	404185 E	(ELECTIVE - IV) Smart Antennas

SEMESTER - VIII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	404190	Fiber Optic Communication
Friday 17/05/2024	404191 A	(ELECTIVE - V) Biomedical Signal Processing
	404191 B	(ELECTIVE - V) Industrial Drives & Automation
	404191 C	(ELECTIVE - V) Android Development
	404191 D	(ELECTIVE - V) Embedded System Design
	404191 E	(ELECTIVE - V)Mobile Computing
Tuesday 21/05/2024	404192 A	(ELECTIVE - VI) System on Chip
	404192 B	(ELECTIVE - VI) Nano Electronics
	404192 C	(ELECTIVE - VI) Remote Sensing
	404192 D	(ELECTIVE - VI) Digital Marketing

B.E. ELECTRONICS

SEMESTER - VII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Thursday 09/05/2024	404201	VLSI Design
Tuesday 14/05/2024	404202	Advanced Power Electronics
Thursday 16/05/2024	404203	Electronic System Design
Saturday 18/05/2024	404184 A	(ELECTIVE - III) Speech Processing *
	404184 C	(ELECTIVE - III) Java Script*
	404204 A	(ELECTIVE - III) Internet of Things
	404204 B	(ELECTIVE - III) Software Defined Radio
	404204 C	(ELECTIVE - III) Testing and Verification for SOC design
Wednesday 22/05/2024	404185 D	(ELECTIVE - IV) Low power CMOS*
	404185 E	(ELECTIVE - IV) Smart Antennas*
	404205 A	(ELECTIVE - IV) Mobile Communication
	404205 B	(ELECTIVE - IV) Embedded Systems
	404205 C	(ELECTIVE - IV) Optimization Techniques

SEMESTER - VIII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	404210	Process Instrumentation
Friday 17/05/2024	404191 C	(ELECTIVE - V) Android Development *
	404211 A	(ELECTIVE - V) Biomedical Electronics
	404211 B	(ELECTIVE - V) Artificial Intelligence and Neural Network
	404211 C	(ELECTIVE - V) Audio Video Engineering
	404211 D	(ELECTIVE - V) Automotive Electronics
Tuesday 21/05/2024	404192 C	(ELECTIVE - VI) Remote Sensing *
	404192 D	(ELECTIVE - VI) Digital Marketing *
	404212 A	(ELECTIVE - VI) Renewable Energy System & DSM
	404212 B	(ELECTIVE - VI) Wireless Sensor Network

NOTE: * COMMON WITH E.& TC.

APR./MAY-2024

B.E. INFORMATION TECHNOLOGY

SEMESTER - VII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Thursday 09/05/2024	414441	Information and Storage Retrieval
Tuesday 14/05/2024	414442	Software Project Management
Thursday 16/05/2024	414443	Deep Learning
Saturday 18/05/2024	414444 A	(ELECTIVE - III) Mobile Computing
	414444 B	(ELECTIVE - III) High Performance Computing
	414444 C	(ELECTIVE - III) Multimedia Technology
	414444 D	(ELECTIVE - III) Smart Computing
Wednesday 22/05/2024	414445 A	(ELECTIVE - IV) Bioinformatics
	414445 B	(ELECTIVE - IV) Introduction to DevOps
	414445 C	(ELECTIVE - IV) Computer Vision
	414445 D	(ELECTIVE - IV) Wireless Communications

SEMESTER - VIII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	414450	Distributed Systems
Friday 17/05/2024	414451 A	(ELECTIVE - V) Software Defined Networks
	414451 B	(ELECTIVE - V) Social Computing
	414451 C	(ELECTIVE - V) Natural Language Processing
	414451 D	(ELECTIVE - V) Soft Computing
	414451 E	(ELECTIVE - V) Game Engineering
Tuesday 21/05/2024	414452 A	(ELECTIVE - VI) Ethical Hacking and Security
	414452 B	(ELECTIVE - VI) Augmented and Virtual Reality
	414452 C	(ELECTIVE - VI) Business Analytics and Intelligence
	414452 D	(ELECTIVE - VI) Blockchain Technology

B.E. INSTRUMENTATION & CONTROL

SEMESTER - VII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Thursday 09/05/2024	406261	Process Control Techniques
Tuesday 14/05/2024	406262	Project Engineering and Management
Saturday 18/05/2024	406263 A	(ELECTIVE - III) Digital Image Processing
	406263 B	(ELECTIVE - III) Data Analytics
	406263 C	(ELECTIVE - III) Wireless Sensor Networks
	406263 D	(ELECTIVE - III) Process Modelling and Optimization
Wednesday 22/05/2024	406264 A	(ELECTIVE - IV) Cloud Computing
	406264 B	(ELECTIVE - IV) Soft Computing
	406264 C	(ELECTIVE - IV) Automotive Instrumentation
	406264 D	(ELECTIVE - IV) Advanced Control System

SEMESTER - VIII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	406268	Process Instrumentation
Saturday 11/05/2024	406269	Advanced Embedded System
Friday 17/05/2024	406270 A	(ELECTIVE - V) Electric Vehicles
	406270 B	(ELECTIVE - V) Safety Instrumentation Systems
	406270 C	(ELECTIVE - V) Renewable Energy Systems
	406270 D	(ELECTIVE - V) Optical Instrumentation
Tuesday 21/05/2024	406271 A	(ELECTIVE - VI) Cyber Security
	406271 B	(ELECTIVE - VI) Automation in Agriculture
	406271 C	(ELECTIVE - VI) Environmental Instrumentation

B.E. MECHANICAL

SEMESTER - VII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Thursday 09/05/2024	402041	Heating Ventilation Air-Conditioning and Refrigeration
Tuesday 14/05/2024	402042	Dynamics of Machinery
Thursday 16/05/2024	402043	Turbomachinery * Time:- **2.00 PM. TO 4.00 PM**
Saturday 18/05/2024	402044 A	(ELECTIVE - III) Automobile Design
	402044 B	(ELECTIVE - III) Design of Heat Transfer Equipments
	402044 C	(ELECTIVE - III) Modern Machining Processes
	402044 D	(ELECTIVE - III) Industrial Engineering
	402044 E	(ELECTIVE - III) Internet of Things
	402044 F	(ELECTIVE - III) Computational Fluid Dynamics
Wednesday 22/05/2024	402045 A	(ELECTIVE - IV) Product Design and Development
	402045 B	(ELECTIVE - IV) Experimental Methods in Thermal Engineering
	402045 C	(ELECTIVE - IV) Additive Manufacturing
	402045 D	(ELECTIVE - IV) Operations Research
	402045 E	(ELECTIVE - IV) Augmented Reality and Virtual Reality

NOTE: - * PLEASE NOTE THE TIME

B.E. MECHANICAL

SEMESTER - VIII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	402048	Computer Integrated Manufacturing
Saturday 11/05/2024	402049	Energy Engineering
Friday 17/05/2024	402050 A	(ELECTIVE - V) Quality and Reliability Engineering
	402050 B	(ELECTIVE - V) Energy Audit and Management
	402050 C	(ELECTIVE - V) Manufacturing Systems and Simulation
	402050 D	(ELECTIVE - V) Engineering Economics and Financial Management
	402050 E	(ELECTIVE - V) Organizational Informatics
	402050 F	(ELECTIVE - V) Computational Multi Body Dynamics
Tuesday 21/05/2024	402051 A	(ELECTIVE - VI) Process Equipment Design
	402051 B	(ELECTIVE - VI) Renewable Energy Technologies
	402051 C	(ELECTIVE - VI) Automation and Robotics
	402051 D	(ELECTIVE - VI) Industrial Psychology and Organizational Behavior
	402051 E	(ELECTIVE - VI) Electrical and Hybrid Vehicle

B.E. MECHANICAL SANDWICH

SEMESTER - VII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Saturday 18/05/2024	402064	ENERGY ENGINEERING AND MANAGEMENT(SELF-STUDY-III)
Wednesday 22/05/2024	402065	INDUSTRIAL ENGINEERING AND ORGANIZATIONAL MANAGEMENT(SELF-STUDY-IV)

SEMESTER - VIII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	402066	Design of Transmission Elements * Time:- 2.00 PM. TO 5.00 PM.
Saturday 11/05/2024	402067	Machine Dynamics and Vibration
Wednesday 15/05/2024	402068	Artificial Intelligence in Mechanical Engineering
Friday 17/05/2024	402069 A	(ELECTIVE - I) Automobile Engineering
	402069 B	(ELECTIVE - I) Refrigeration and Air-Conditioning
	402069 C	(ELECTIVE - I) Fluid Power Control
	402045 C	(ELECTIVE - I) Additive Manufacturing
	402051 C	(ELECTIVE - I) Automation and Robotics
Tuesday 21/05/2024	402044 E	(ELECTIVE - II) Internet of Things
	402045 A	(ELECTIVE - II) Product Design and Development
	402045 D	(ELECTIVE - II) Operations Research
	402050 A	(ELECTIVE - II) Quality and Reliability Engineering
	402051 E	(ELECTIVE - II) Electrical and Hybrid Vehicle

NOTE: - * PLEASE NOTE THE TIME

APR./MAY-2024

B.E. PRINTING TECHNOLOGY

SEMESTER - VII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Thursday 09/05/2024	408283	Gravure Printing Techniques
Tuesday 14/05/2024	408284	Digital Printing Techniques
Saturday 18/05/2024	408281 A	(ELECTIVE - III) Paper Board and Corrugation Package Technology
	408281 B	(ELECTIVE - III) Polymer Science
Wednesday 22/05/2024	408282 A	(ELECTIVE - IV) Multimedia Advertising
	408282 B	(ELECTIVE - IV) Process Optimization and Total Quality Management in Printing

SEMESTER - VIII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	408290	Operations Management in Printing and Packaging
Saturday 11/05/2024	408291	Adhesives and Coatings in Packaging
Friday 17/05/2024	408288 A	(ELECTIVE - V) Food and Pharmaceutical Packaging
	408288 B	(ELECTIVE - V) Printed Electronics
Tuesday 21/05/2024	408289 A	(ELECTIVE - VI) Sustainable Packaging
	408289 B	(ELECTIVE - VI) Management Information Systems and Data Science

B.E. PRODUCTION ENGINEERING

SEMESTER - VII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Thursday 09/05/2024	411081	Automation and Control Engineering
Tuesday 14/05/2024	411082	Operations Research
Saturday 18/05/2024	411083 A	(ELECTIVE - III) Simulation, Modeling and Digital Twin
	411083 B	(ELECTIVE - III) Total Quality management
	411083 C	(ELECTIVE - III) Artificial Intelligence in Manufacturing
	411083 D	(ELECTIVE - III) World Class Manufacturing
Wednesday 22/05/2024	411084 A	(ELECTIVE - IV) Plant Maintenance and industrial safety
	411084 B	(ELECTIVE - IV) Surface Engineering
	411084 C	(ELECTIVE - IV) Reverse Engineering
	411084 D	(ELECTIVE - IV) Entrepreneurship and Innovations

SEMESTER - VIII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	411088	Computer Integrated Design and Manufacturing
Saturday 11/05/2024	411089	Industrial Robotics
Friday 17/05/2024	411090 A	(ELECTIVE - V) E-Mobilty in Automobile
	411090 B	(ELECTIVE - V) Smart Manufacturing
	411090 C	(ELECTIVE - V) Manufacturing System design
	411090 D	(ELECTIVE - V) Ergonomics and Work Management
Tuesday 21/05/2024	411091 A	(ELECTIVE - VI) Facility Planning
	411091 B	(ELECTIVE - VI) Additive Manufacturing
	411091 C	(ELECTIVE - VI) Reliability Engineering
	411091 D	(ELECTIVE - VI) Data Analytics

B.E. PRODUCTION SANDWICH ENGINEERING

SEMESTER - VII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Thursday 09/05/2024	411121	Manufacturing Automation
Tuesday 14/05/2024	411122	Operations Research
Saturday 18/05/2024	411123 A	(ELECTIVE - III) Additive Manufacturing
	411123 B	(ELECTIVE - III) Industrial Robotics
	411123 C	(ELECTIVE - III) Reliability Engineering
	411123 D	(ELECTIVE - III) Micro-Electro mechanical systems
Wednesday 22/05/2024	411124 A	(ELECTIVE - IV) Creative Product Design
	411124 B	(ELECTIVE - IV) Mechatronics
	411124 C	(ELECTIVE - IV) CAD/CAM
	411124 D	(ELECTIVE - IV) Data analytics

SEMESTER - VIII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Friday 17/05/2024	411134 A	(ELECTIVE - V) Supply Chain Management
	411134 B	(ELECTIVE - V) Plant Engineering and Maintenance
	411134 C	(ELECTIVE - V) Industrial Relation and Human Resource Management
	411134 D	(ELECTIVE - V) Marketing mgmt.

B.E. ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

SEMESTER - VII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Thursday 09/05/2024	418541	Information Retrieval in AI
Tuesday 14/05/2024	418542	Cloud Computing
Thursday 16/05/2024	418543	Deep Learning for AI
Saturday 18/05/2024	418544 A	(ELECTIVE - III) Quantum Computing
	418544 B	(ELECTIVE - III) Block Chain
	418544 C	(ELECTIVE - III) AI in Drones
Wednesday 22/05/2024	418545 A	(ELECTIVE - IV) Ethical Hacking and cyber forensics
	418545 B	(ELECTIVE - IV) Augmented Reality and Virtual Reality
	418545 C	(ELECTIVE - IV) DevOps in Machine Learning

SEMESTER - VIII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	418550	Natural Language Processing
Friday 17/05/2024	418551 A	(ELECTIVE - V) Distributed System
	418551 B	(ELECTIVE - V) Software Project and Management
	418551 C	(ELECTIVE - V) Computer Vision
Tuesday 21/05/2024	418552 A	(ELECTIVE - VI) Reinforcement Learning
	418552 B	(ELECTIVE - VI) Big data analytics
	418552C	(ELECTIVE - VI) AI using R programming

B.E. AUTOMATION & ROBOTICS ENGINEERING

SEMESTER - VII

Time:-   2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Thursday 09/05/2024	402541	Industrial Automation & Control Systems
Tuesday 14/05/2024	402542	Robotic Process Automation & Development
Thursday 16/05/2024	402543	Artificial Neural Networks and Deep Learning * Time:- 2.00 PM. TO 4.00 PM
Saturday 18/05/2024	402544 A	(ELECTIVE - III) Robotics: Cognitive & Medical
	402544 B	(ELECTIVE - III) Microprocessors and Microcontrollers
	402544 C	(ELECTIVE - III) Modern Machining Processes
	402544 D	(ELECTIVE - III) Industrial Engineering
	402544 E	(ELECTIVE - III) Computational Fluid Dynamics
Wednesday 22/05/2024	402545 A	(ELECTIVE - IV) Lean Manufacturing
	402545 B	(ELECTIVE - IV) Project Management
	402545 C	(ELECTIVE - IV) Additive Manufacturing
	402545 D	(ELECTIVE - IV) Operations Research
	402545 E	(ELECTIVE - IV) Augmented Reality and Virtual Reality

Note- Please Note the timing.

SEMESTER - VII

Time:-   2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	402549	Embedded Systems in Robots
Saturday 11/05/2024	402550	Fundamentals of Autonomous Systems
Friday 17/05/2024	402551 A	(ELECTIVE - V) Industrial Robotics & Material Handling systems
	402551B	(ELECTIVE - V) Supply Chain Management
	402045 A	(ELECTIVE - V) Product Design & Development
	402050 C	(ELECTIVE - V) Manufacturing Systems and Simulation
	402050 D	(ELECTIVE - V) Engineering Economics and Financial Management
Tuesday 21/05/2024	402552 A	(ELECTIVE - VI) Data Science
	402552 B	(ELECTIVE - VI) Data Visualization
	402552 C	(ELECTIVE - VI) Network Science
	402044 E	(ELECTIVE - VI) Internet of Things
	402051 D	(ELECTIVE - VI) Industrial Psychology and Organizational Behavior

B.E. ROBOTICS & AUTOMATION

SEMESTER - VII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Thursday 09/05/2024	411501	Machine Vision System
Tuesday 14/05/2024	411502	Robot System Reliability and Safety
Saturday 18/05/2024	411503 A	(ELECTIVE - III) Advanced Computational Techniques
	411503 B	(ELECTIVE - III) Wireless sensor network
	411503 C	(ELECTIVE - III) Microprocessor and microcontroller
	411503 D	(ELECTIVE - III) Ergonomics and work management
Wednesday 22/05/2024	411504 A	(ELECTIVE - IV) Computational Fluid Dynamics
	411504 B	(ELECTIVE - IV) Internet of Things and Machine Learning
	411504 C	(ELECTIVE - IV) Artificial Neural Networks and fuzzy systems
	411504 D	(ELECTIVE - IV) Power Electronics and Drives

SEMESTER – VIII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	411508	Field and Service Robots
Saturday 11/05/2024	411509	PLC and SCADA Programming
Friday 17/05/2024	411510 A	(ELECTIVE - V) Reverse Engineering
	411510 B	(ELECTIVE - V) Data Analytics
	411510 C	(ELECTIVE - V) Entrepreneurship and Innovations
	411510 D	(ELECTIVE - V) Electronics system design and Analysis
Tuesday 21/05/2024	411511 A	(ELECTIVE - VI) Additive Manufacturing
	411511 B	(ELECTIVE - VI) Industry 4.0
	411511 C	(ELECTIVE - VI) VLSI design for Robotics
	411511 D	(ELECTIVE - VI) Intelligent Robotics systems

B.E. ELECTRONICS & COMPUTER

SEMESTER - VII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Thursday 09/05/2024	410341	Data Science and Visualization
Tuesday 14/05/2024	410342	Web Technology
Thursday 16/05/2024	410343	Internet of Things
Saturday 18/05/2024	410344 A	(Elective -III) Big Data & Analytics
	410344 B	(Elective -III) Mobile Application Development
	410344 C	(Elective -III) Information and Cyber Security
	410344 D	(Elective -III) Digital Image Processing
Wednesday 22/05/2024	410345 A	(Elective -IV)Robotics & Automation
	410345 B	(Elective -IV) Human Computer Interface
	410345 C	(Elective -IV) Digital System Design
	410345 D	(Elective -IV) Augmented and Virtual Reality

SEMESTER - VIII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	410350	Artificial Intelligence and Machine Learning
Saturday 11/05/2024	410351	VLSI Design and Technology
Friday 17/05/2024	410352 A	(Elective -V) Cloud Computing
	410352 B	(Elective -V) Embedded System and Real Time Operating Systems
	410352C	(Elective -V) Software Testing and Quality Assurance
	410352 D	(Elective -V) Artificial Neural Network
Tuesday 21/05/2024	410353 A	(Elective -VI) Data Mining and Warehousing
	410353 B	(Elective -VI) Electric Vehicle Technology
	410353 C	(Elective -VI) Software Defined Radio
	410353 D	(Elective -VI) Wireless Sensor Network

B.E. ARTIFICIAL INTELLIGENCE & DATA SCIENCE

SEMESTER - VII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Thursday 09/05/2024	417521	Machine Learning
Tuesday 14/05/2024	417522	Data Modeling & Visualization
Saturday 18/05/2024	417523 A	(Elective -III) Quantum Artificial Intelligence
	417523 B	(Elective -III) Industrial Internet of Things
	417523 C	(Elective -III) Enterprise Architecture and Components
	417523 D	(Elective -III) Bioinformatics
Wednesday 22/05/2024	417524 A	(Elective -IV) GPU Programming and Architecture
	417524 B	(Elective -IV) Information Retrieval
	417524 C	(Elective -IV) UI/UX Design
	417524 D	(Elective -IV) Optimization Algorithms

SEMESTER - VIII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	417530	Computational Intelligence
Saturday 11/05/2024	417531	Distributed Computing
Friday 17/05/2024	417532 A	(Elective -V) Virtual Reality and Game Development
	417532 B	(Elective -V) Big Data analytics
	417532 C	(Elective -V) Software Development for Portable Devices
	417532 D	(Elective -V) Deep Learning
Tuesday 21/05/2024	417533 A	(Elective -VI) Augmented Reality
	417533 B	(Elective -VI) Business Intelligence
	417533 C	(Elective -VI) Information Systems Management
	417533 D	(Elective -VI) Reinforcement Learning

B.E. MECHATRONICS ENGINEERING

SEMESTER - VII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Thursday 09/05/2024	417541	Robot Operating System
Tuesday 14/05/2024	417542	Data Communication
Thursday 16/05/2024	417543	Micro Electro Mechanical Systems
Saturday 18/05/2024	417544- A	(Elective -III) Image Processing and Computer Vision
	417544- B	(Elective -III) Medical Mechatronics
	417544- C	(Elective -III) Virtual Instrumentation
Wednesday 22/05/2024	417545- A	(Elective -IV) Product Design and Development
	417545- B	(Elective -IV) Operation Research
	417545- C	(Elective -IV) Industry 4.0

SEMESTER - VIII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Wednesday 08/05/2024	417548	Internet of Things
Saturday 11/05/2024	417549	Vibration Analysis and Control
Friday 17/05/2024	417550- A	(Elective -V) App Development
	417550- B	(Elective -V) Rapid Prototyping
	417550- C	(Elective -V) Advanced Control Systems
Tuesday 21/05/2024	417551- A	(Elective -VI) Industrial Robotics
	417551- B	(Elective -VI) Human Machine Interface
	417551- C	(Elective -VI) Electric Vehicles

B.E. HONORS/MINORS

SEMESTER - VII

Time:- **2.00 PM. TO 4.30 PM.**

Day & Date	Paper Code	Subject
Saturday 25/05/2024	401301	Work Method Statement Making
	401401	Traffic and Transportation Planning
	402014 MJ	Additive Manufacturing System Design
	402024 MJ	Electrical Energy Systems
	302034 MJ	Modelling and Simulation of EHV
	302044 MJ	System modelling and simulation
	404181 HR	Industrial Robotics & Automation
	404181 HBCT	Smart Contracts & Cryptocurrency
	408214	Sustainable Packaging
	410301	Machine Learning
	410401	Internet of Things and Embedded Security
	410501	Machine Learning and Data Science
	410601	Machine Learning for Internet of Things
	410701	Virtual Reality in Game Development

B.E. HONORS/MINORS

SEMESTER - VIII

Time:- 2.00 PM. TO 4.30 PM.

Day & Date	Paper Code	Subject
	401303	Tunnel Engineering
	401403	Land Use and Land Cover
	402016 MJ	3D Printing Applications & Entrepreneurship
	402026 MJ	Sustainable Energy Conversion Systems
	302036 MJ	e-Vehicle Standards, Charging & Safety
	302046 MJ	Systems Engineering Management
	404183 HR	Artificial Intelligence in Robotics
Friday 24/05/2024	404183 HBCT	Block Chain Solutions
	408216	Brand and Packaging Management
	410303	Soft Computing and Deep Learning
	410403	Information Systems Management
	410503	Artificial Intelligence for Big Data Analytics
	410603	Internet of Things Security
	410703	Application Development using Augmented Reality and Virtual Reality

Ganeshkhind, Pune - 411 007

Ref.No/XCT:226

Date:05/04/2024

**Director,
Board of Examinations and Evaluation**