



Hon. Shri. Babanrao Pachpute Vichardhara Trust's

Group of Institutions

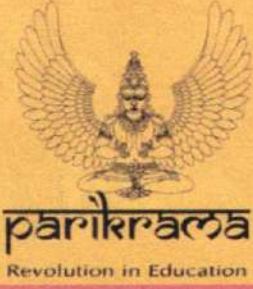
Kashti, Tal - Shrigonda, Dist-Ahmednagar, Maharashtra - 414 701

Faculty of Engineering

Approved by AICTE, MS (New-Int)-Engg./2009/09, Dt. 15/06/09, Affiliated to Savitribai Phule Pune University

INDEX

Sr. No	Contents
1	Notice - Commencement of the Academics
2	Course Objectives and Program Outcomes
3	Syllabus
4	Teaching Plane
5	Laboratory plane
6	Staff Meeting
7	Mentor - Mentees Allocation
8	Elective subject selection
9	Result Analysis



Hon. Shri. Babanrao Pachpute Vichardhara Trust's

Group of Institutions

Kashti, Tal - Shrigonda, Dist-Ahmednagar, Maharashtra - 414 701

Faculty of Engineering

Approved by AICTE, MS (New-Int)-Engg./2009/09, Dt. 15/06/09, Affiliated to Savitribai Phule Pune University

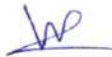
Date: 02/08/2023

NOTICE

Academic Year- 2023-24

All Students of FE are hereby informed that, regular classes for this academic year will start from 07/08/2023.




Principal

HSBPV Trust's, Coll. Faculty of Engineering
Kashti, Tal. Shrigonda, Dist. Ahmednagar

Copy To:

- 1) Academic Dean
- 2) Head of Department, Civil Engineering
- 3) Head of Department, Mechanical Engineering
- 4) Head of Department, Electronics & Telecommunications Engineering
- 5) Head of Department, Computer Engineering
- 6) Head of Department, Electrical Engineering
- 7) Head of Department, First Year Engineering
- 8) All Notice Boards.

Program Outcomes (PO's):

Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Reference Books:

1. Engineering Chemistry, Wiley India Pvt. Ltd.
2. Inorganic Chemistry, 5 ed by Shriver and Atkins, Oxford University Press
3. Basic Concept of Analytical Chemistry, 2ed, S. M. Khopkar, New Age-International Publisher
4. Instrumental Methods of Chemical Analysis, G. R. Chatwal & S. K. Anand, Himalaya Publishing House
5. Spectroscopy of organic compounds, 2 ed, P. S. Kalsi, New Age-International Ltd., Publisher
6. Polymer Science, V. R. Gowariker, N. V. Viswanathan, Jayadev Sreedhar, Wiley Eastern Limited

1. To determine hardness of water by EDTA method
2. To determine alkalinity of water
3. To determine strength of strong acid using pH meter
4. To determine maximum wavelength of absorption of $\text{CuSO}_4/\text{FeSO}_4/\text{KMnO}_4$, verify Beer's law and find unknown concentration of given sample.
5. Titration of a mixture of weak acid and strong acid with strong base using conductometer
6. Preparation of polystyrene/phenol-formaldehyde/urea-formaldehyde resin
7. To determine molecular weight/radius of macromolecule polystyrene/ polyvinyl alcohol by viscosity measurement.
8. Proximate analysis of coal.
9. To coat copper and zinc on iron plate using electroplating.
10. Preparation of biodiesel from oil.
11. Colloidal synthesis of 2-6 or 3-5 semiconductor quantum dots nanoparticles

104010:Basic Electronics Engineering**Teaching Scheme:**

TH : 03 Hrs./week
PR : 02 Hrs./week

Credits

04

Examination Scheme

In - Semester : 30 Marks
End - Semester : 70 Marks
PR : 25 Marks

Course Objectives:

1. The principle of electronics and working principle of PN junction diode and special purpose diodes.
2. The functioning of transistors like BJT, MOSFETs and OPAMP.
3. Basics of various logic gates, digital circuits and their applications.
4. Working and functions of various electronic instruments.
5. The operating principles and applications of various active and passive sensors.
6. Basic principles of communication systems.

Course Outcomes: On completion of the course, learner will be able to–

CO1: Explain the working of P-N junction diode and its circuits.

CO2: Identify types of diodes and plot their characteristics and also can compare BJT with MOSFET.

CO3: Build and test analog circuits using OPAMP and digital circuits using universal/basic gates and flip flops.

CO4: Use different electronics measuring instruments to measure various electrical parameters.

CO5: Select sensors for specific applications.

CO6: Describe basic principles of communication systems.

Course Contents

Unit I Introduction to Electronics (08Hrs)

Evolution of Electronics, Impact of Electronics in industry and in society.
Introduction to active and passive components, P-type Semiconductor, N-type Semiconductor.
Current in semiconductors(Diffusion and Drift Current)
P-N Junction Diode: P-N Junction diode construction and its working in forward and reverse bias condition, V-I characteristics of P-N junction Diode, Diode as a switch, Half Wave Rectifier, Full wave and Bridge Rectifier.
Special purpose diodes: Zener diode, Light Emitting Diode (LED) and photo diode along with V-I characteristics and their applications.

Unit II Transistor and OPAMP (07Hrs)

Bipolar Junction Transistor : Construction, type, Operation, V-I Characteristics, region of operation, BJT as switch and CE amplifier
Metal Oxide Semiconductor Field Effect Transistors (MOSFET): Construction, Types, Operation, V-I characteristics, Regions of operation, MOSFET as switch & amplifier.
Operational amplifier: Functional block diagram of operational amplifier, ideal operational amplifier, Op-amp as Inverting and Non inverting amplifier

Unit III Number System and Logic Gates (07Hrs)

Number System:- Binary, BCD, Octal, Decimal, Hexadecimal their conversion and arithmetic, De-Morgan's theorem.
Basic Gates:- AND, OR, NOT, Universal Gate- XOR, XNOR, Half adder, Full adder
Flip Flop's SR, JK, T and D
Introduction to Microprocessor and Microcontroller (Only block diagram and explanation)

Unit IV Electronic Instrumentation (06Hrs)

Electronic Instruments: Principles and block diagram of digital multimeter, Function Generator, Digital Storage Oscilloscope (DSO) Power scope, AC/DC power supply, Auto transformer, Analog ammeter and voltmeter.

Unit V Sensors (07Hrs)

Classification of a sensors, Active /Passive Sensors, Analog/Digital Sensors, Motion Sensors (LVDT, Accelerometer), Temperature Sensors (Thermocouple, Thermistor, RTD), Semiconductor Sensors(Gas Sensors), Optical Sensors (LDR), Mechanical Sensors (Strain Guage, Load Cell, Pressure sensors), Biosensors. (Working Principle and one application).

Unit VI Communication Systems (07Hrs)

Basic Communication System: Block Diagram, Modes of Transmission, Communication Media: Wired and Wireless, Electromagnetic Spectrum, Allotment of frequency band for different applications, Block Diagram of AM and FM Transmitter and receiver,
Mobile Communication System: Cellular concept, Simple block diagram of GSM system.

Books & Other Resources:

Text Books:

1. "Electronics Devices" by Thomas. L. Floyd, 9th Edition, Pearson (Unit I, II)
2. "Modern Digital Electronics" by R.P. Jain, 4th Edition, Tata McGraw Hill (Unit III)
3. "Electronic Instrumentation" by H.S. Kalsi, 3rd Edition, Tata McGraw Hill (Unit IV)
4. "Sensors and Transducers" by D. Patrnabis, 2nd Edition, PHI (Unit V)
5. "Electronic Communication Systems" by Kennedy & Davis, 4th Edition, Tata McGraw Hill (Unit VI)
6. "Mobile Wireless communication" by M. Schwartz, Cambridge University Press (Unit VI)

Reference Books:

1. "Digital Fundamentals" by Thomas. L. Floyd, 11th Edition, Pearson

2. "Mobile Communication" by J. Schiller, 2nd Edition, Pearson
3. "Sensors Handbook", by S. Soloman, 2nd Edition.

List of Laboratory Experiments/Assignments

1.	Electronic Components: Study of Active and Passive components a) Resistors (Fixed & Variable), Calculation of resistor value using color code. b) Capacitors (Fixed & Variable) c) Inductors, Calculation of inductor value using color code. d) Devices such Diode, BJT, MOSFETs, various IC packages e) Switches & Relays
2.	Measurements using various measuring equipments: a) Set up CRO and function generator for measurement of voltage, frequency b) Obtain the phase shift between to signals using CRO with the help of Lissagous pattern. c) Measure voltage, resistance using digital multimeter. Also use multimeter to check diode, BJT
3.	V-I characteristics of: a) P-N Junction Diode (Study the datasheet of typical PN junction diode 1N 400X) b) Zener Diode (Study the datasheet of typical Zener diode 1N 4148)
4.	Rectifier circuits: a) Implement half wave, full wave and bridge rectifier using diodes b) Observe the effect of capacitor filter on rectifier output
5.	Frequency response of MOSFET: a) To plot frequency response of BJT amplifier.(Simulation) b) To plot frequency response of MOSFET amplifier.(Simulation)
6.	Linear applications of Op-amp: Build inverting and non-inverting amplifier using op-amp (Study the datasheet of typical Op-Amp 741)
7.	Test and verify the truth tables of: a) Basic and Universal Gates (Study the data sheet of respective IC's) b) Half / Full Adder c) RS/JK/T/D flip flop
8.	Study of transducers : (Any 3)
9.	Build and test any circuit using BJT/MOSFET/Op-Amp/Logic Gates using any one sensor.
10.	Case Study of any one electronics appliances with block diagram, specification etc.

Guidelines for Instructor's Manual

- The instructor's manual is to be developed as a hands-on resource and reference.
- Copy of Curriculum, Conduction & Assessment guidelines, List of Experiments to be attached.

Guidelines for Student's Lab Journal

- The laboratory assignments/experiments are to be submitted by student in the form of journal.
- Journal consists of Certificate, table of contents, and handwritten write-up for each experiment.
- Each experiment should consist of :
 - ✓ Title.
 - ✓ Objectives.
 - ✓ Problem Statement, Outcomes
 - ✓ Hardware / Software (If any) requirements.
 - ✓ Concept.
 - ✓ Experimental procedure / Setup.



HSBPVT's,GOI,
FACULTY OF ENGINEERING, Kashti
 DEPARTMENT OF FIRST YEAR ENGINEERING

ACA – R-12

Rev : 00

Date:

Teaching Plan

Academic Year: 2023-24

Semester: I

Division/Class: F.E. (div A)
 Teaching Scheme: Lectures/Week: - 03

Subject: Basic Electronic Engineering (104010)
 Practical's/Week: - 03

Examination Scheme: Insem:- 30 Marks

Endsem:- 70 Marks

Lec. No	Proposed Date	Points to be Covered	References	Methodology used	Conducted Date	Sign
CO1: Explain the working of P-N junction diode and its circuits. CO2: Identify types of diodes and plot their characteristics and also can compare BJT with MOSFET. Unit I : Introduction to Electronics						
1	21-8-23	Evolution of Electronics, Impact of Electronics in industry and in society.	<TI>	Conventional Teaching Aids	21-8-23	APG
2	22-8-23	Introduction to active and passive components, P-type Semiconductor	<TI>	PPT and Conventional Teaching Aids	22-8-23	APG
3	24-8-23	N-type Semiconductor. Current in semiconductors(Diffusion and Drift Current)	<TI>	PPT and Conventional Teaching Aids	24-8-23	APG
4	28-8-23	P-N Junction diode construction and its working in forward and reverse bias condition	<TI>	PPT and Conventional Teaching Aids	28-8-23	APG
5	29-8-23	V-I characteristics of P-N junction Diode, Diode as a switch	<TI>	PPT and Conventional Teaching Aids	29-8-23	APG
6	30-8-23	Half Wave Rectifier, Full wave and Bridge Rectifier.	<TI>	PPT and Conventional Teaching Aids	12-9-23	APG
7	4-9-23	Zener diode, Light Emitting Diode (LED)	<TI>	Conventional Teaching Aids	14-9-23	APG
8	5-9-23	photo diode along with V-I characteristics and their applications.	<TI>	PPT and Conventional Teaching Aids	18-9-23	APG
CO2: Identify types of diodes and plot their characteristics and also can compare BJT with MOSFET. CO3: Build and test analog circuits using OPAMP and digital circuits using universal/basic gates and flip flops. Unit II : Transistor and OPAMP						
9	7-9-23	Bipolar Junction Transistor : Construction, type, Operation, V-I Characteristics	<TI>	PPT and Conventional Teaching Aids	7-9-23	APG



HSBPVT's,GOI,
FACULTY OF ENGINEERING, Kashti
DEPARTMENT OF FIRST YEAR ENGINEERING

10	11-9-23	region of operation, BJT as switch and CE amplifier	<T1>	PPT and Conventional Teaching Aids	11-9-23	APG
11	12-9-23	Construction, Types, Operation, V-I characteristics	<T1>	PPT and Conventional Teaching Aids	12-9-23	APG
12	14-9-23	Regions of operation, MOSFET as switch & amplifier.	<T1>	PPT and Conventional Teaching Aids	14-9-23	APG
13	18-9-23	Functional block diagram of operational amplifier	<T1>	PPT and Conventional Teaching Aids	21-9-23	APG
14	21-9-23	ideal operational amplifier, Op-amp as Inverting	<T1>	PPT and Conventional Teaching Aids	25-9-23	APG
15	25-9-23	Non inverting amplifier	<T1>	Conventional Teaching Aids	26-9-23	APG
CO3: Build and test analog circuits using OPAMP and digital circuits using universal/basic gates and flip flops Unit III :Number System and Logic Gates						
16	26-9-23	Number System:- Binary, BCD, Octal, Decimal	<T2>	PPT and Conventional Teaching Aids	2-10-23	APG
17	2-10-23	Hexadecimal their conversion and arithmetic,	<T2>	PPT and Conventional Teaching Aids	3-10-23	APG
18	3-10-23	De-Morgan's theorem.	<T2>	PPT and Conventional Teaching Aids	5-10-23	APG
19	5-10-23	Basic Gates:- AND, OR, NOT, Universal Gate- XOR, XNOR	<T2>	PPT and Conventional Teaching Aids	16-10-23	APG
20	9-10-23	Half adder, Full adder	<T2>	PPT and Conventional Teaching Aids	17-10-23	APG
21	10-10-23	Flip Flop's SR, JK, T and D	<T2>	PPT and Conventional Teaching Aids	19-10-23	APG
22	12-10-23	Introduction to Microprocessor and Microcontroller (Only block diagram and explanation)	<T2>		23-10-23	APG
CO4: Use different electronics measuring instruments to measure various electrical parameters. Unit IV : Electronic Instrumentation						
23	16-10-23	Principles and block diagram of digital multimeter	<T3>	Conventional Teaching Aids	24-10-23	APG
24	17-10-23	Function Generator	<T3>	Conventional Teaching Aids	26-10-23	APG



HSBPVT's,GOI,
FACULTY OF ENGINEERING, Kashti
DEPARTMENT OF FIRST YEAR ENGINEERING

25	17-10-23	Digital Storage Oscilloscope (DSO) Power scope	<T3>	Conventional Teaching Aids	30-10-23	APG
26	19-10-23	AC/DC power supply	<T3>	Conventional Teaching Aids	31-10-23	APG
27	23-10-23	Auto transformer	<T3>	Conventional Teaching Aids	31-10-23	APG
28	24-10-23	Analog ammeter and voltmeter.	<T3>	Conventional Teaching Aids	2-11-23	APG
CO5: Select sensors for specific applications.						
Unit V : Sensors						
29	26-10-23	Classification of a sensors, Active /Passive Sensors, Analog/Digital Sensors	<T4>	Conventional Teaching Aids	6-11-23	APG
30	30-10-23	Motion Sensors (LVDT, Accelerometer),	<T4>	Conventional Teaching Aids	7-11-23	APG
31	31-10-23	Temperature Sensors (Thermocouple, Thermistor, RTD),	<T4>	Conventional Teaching Aids	16-11-23	APG
32	2-11-23	Oscillators principle, types and frequency stability.	<T4>	Conventional Teaching Aids	20-11-23	APG
33	6-11-23	Semiconductor Sensors(Gas Sensors)	<T4>	Conventional Teaching Aids	21-11-23	APG
34	7-11-23	Optical Sensors (LDR),Mechanical Sensors (Strain Gauge, Load Cell, Pressure sensors)	<T4>	Conventional Teaching Aids	23-11-23	APG
35	9-11-23	Biosensors. (Working Principle and one application).	<T4>	Conventional Teaching Aids	28-11-23	APG
CO6: Describe basic principles of communication systems.						
Unit IV : Communication Systems						
36	13-11-23	Basic Communication System: Block Diagram, Modes of Transmission	<T5>	Conventional Teaching Aids	30-11-23	APG
37	14-11-23	Communication Media: Wired and Wireless, Electromagnetic Spectrum,	<T5>	Conventional Teaching Aids	4-12-23	APG
38	16-11-23	Allotment of frequency band for different applications, Block	<T5>	Conventional Teaching Aids	5-12-23	APG
39	20-11-23	Block Diagram of AM Transmitter and receiver	<T5>	Conventional Teaching Aids	7-12-23	APG



HSBPVT's,GOI,
FACULTY OF ENGINEERING, Kashti
DEPARTMENT OF FIRST YEAR ENGINEERING

40	21-11-23	Block Diagram of FM Transmitter and receiver	<T5>	Conventional Teaching Aids	7-12-23	APG
41	23-11-23	Mobile Communication System: Cellular concept,	<T6>	Conventional Teaching Aids	11-12-23	APG
42	28-11-23	Simple block diagram of GSM system.	<T6>	Conventional Teaching Aids	12-12-23	APG

Text Books:

1. "Electronics Devices" by Thomas. L. Floyd, 9th Edition, Pearson (Unit I, II)
2. "Modern Digital Electronics" by R.P. Jain, 4th Edition, Tata McGraw Hill (Unit III)
3. "Electronic Instrumentation" by H.S. Kalsi, 3rd Edition, Tata McGraw Hill (Unit IV)
4. "Sensors and Transducers" by D. Patrnabis, 2nd Edition, PHI (Unit V)
5. "Electronic Communication Systems" by Kennedy & Davis, 4th Edition, Tata McGraw Hill (Unit VI)
6. "Mobile Wireless communication" by M. Schwartz, Cambridge University Press (Unit VI)

Reference Book

1. "Digital Fundamentals" by Thomas. L. Floyd, 11th Edition, Pearson
2. "Mobile Communication" by J. Schiller, 2nd Edition, Pearson
3. "Sensors Handbook", by S. Soloman, 2nd Edition

Ghupama P. G.

Subject In charge

(Ghadge A.P.)

Prof. Suryavanshi A.P.

Head of the Department

(Prof. Suryavanshi A.P.)



HSBPVT's, GOI,
FACULTY OF ENGINEERING, Kashti
DEPARTMENT OF FIRST YEAR ENGINEERING

LAB PLAN

Subject: Basic Electronic Engineering
Sub Code: 104010

Practical hours/week/Batch: 02
Academic Year: 2023-24

Sr. No.	Name of Experiment	Batch	Date of performance Planned	Date of Completion	Remark
1	Electronic Components: Study of Active and Passive components a) Resistors (Fixed & Variable), Calculation of resistor value using color code. b) Capacitors (Fixed & Variable) c) Inductors, Calculation of inductor value using color code. d) Devices such Diode, BJT, MOSFETs, various IC packages e) Switches & Relays	Batch-A1	25-8-23	25-8-23	-
		Batch-A2	24-8-23	24-8-23	-
		Batch-A3	21-8-23	21-8-23	-
2	Measurements using various measuring equipment's: a) Set up CRO and function generator for measurement of voltage, frequency b) Obtain the phase shift between to signals using CRO with the help of Lissagous pattern. c) Measure voltage, resistance using digital multimeter. Also use multimeter to check diode, BJT	Batch-A1	1-9-23	1-9-23	-
		Batch-A2	31-8-23	31-8-23	-
		Batch-A3	28-8-23	28-8-23	-
3	V-I characteristics of: a) P-N Junction Diode (Study the datasheet of typical PN junction diode 1N 400X) b) Zener Diode (Study the datasheet of typical Zener diode 1N 4148)	Batch-A1	8-9-23	8-9-23	-
		Batch-A2	7-9-23	7-9-23	-
		Batch-A3	4-9-23	4-9-23	-
4	Rectifier circuits: a) Implement half wave, full wave and bridge rectifier using	Batch-A1	15-9-23	15-9-23	-
		Batch-A2	14-9-23	14-9-23	-



HSBPVT's,GOI,
FACULTY OF ENGINEERING, Kashti

DEPARTMENT OF FIRST YEAR ENGINEERING

	diodes b) Observe the effect of capacitor filter on rectifier output	Batch-A3	11-9-23	11-9-23	
5	Frequency response of MOSFET: a) To plot frequency response of BJT amplifier.(Simulation) b) To plot frequency response of MOSFET amplifier.(Simulation)	Batch-A1	22-9-23	22-9-23	
		Batch-A2	21-9-23	21-9-23	
		Batch-A3	18-9-23	18-9-23	
6	Linear applications of Op-amp: Build inverting and non-inverting amplifier using op-amp (Study the datasheet of typical Op-Amp 741)	Batch-A1	29-9-23	29-9-23	
		Batch-A2	5-10-23	5-10-23	
		Batch-A3	25-9-23	25-9-23	
7	Test and verify the truth tables of: a) Basic and Universal Gates (Study the data sheet of respective IC's) b) Half / Full Adder c) RS/JK/T/D flip flop	Batch-A1	6-10-23	20-10-23	
		Batch-A2	12-10-23	19-10-23	
		Batch-A3	9-10-23	16-10-23	
8	Case Study of any one electronics appliances with block diagram, specification etc.	Batch-A1	20-10-23	27-10-23	
		Batch-A2	19-10-23	26-10-23	
		Batch-A3	16-10-23	23-10-23	

dhrupama P.G.

Subject Incharge
(Prof. Ghadge A.P.)

Suryavanshi

H.O.D.
(Prof. Suryavanshi P.M.)



HSBPVT'S GOI,
Faculty of Engineering, Kashti

Dept: First Year
Engineering
Year-2023-24
Date: 16/01/2023
Time: 11:00 Am

Meeting Attendance

Sr No	Name Of Staff	Sign
1	Gawali T.H.	
2	Shinde R.B.	
3	Gouf. m	
4	Bhondave R.D.	
5	Wari T.S.	
6	Ghadge A.P.	
7	Gurjal J.A.	
8	Gholave A.K.	
9	Shinde P.B.	
10	Jare. V.A	

FE Coordinator

Prof. Suryavanshi P.M.



HSBPVT'S GOI,
Faculty of Engineering, Kashti

Dept: First Year
Engineering
Year-2023-24
Date: 17/01/2023
Time: 11:00 AM

Minutes of Meeting

Topic:- Semester II start

Sub Topic:- —

Points Discussed:-

- ① Time Table, Load distribution
- ② Preparation of course file
- ③ completion of Academic calendar,
Teaching plan, Practical Plan
- ④ Mentor & Mentee distribution
- ⑤ Book Requirement
- ⑥ PARAS Project Plan
- ⑦ Industrial visit plan

FE Coordinator

Prof. Suryavanshi P.M.



HSBPVT'S GOI,
College of Engineering, Kashti

Dept. First Year
Engineering

Year-2023-24
Semester:I

Mentor-Mentees Allocation

Sr.No	Class	Roll Nos.	Name of Mentor	Sign
1	FE-A1	1-30	Prof. Gunjal J.A.	
2	FE-A2	31-60	Prof. Shinde R.B.	
3	FE-B1	1-30	Prof. Gawali T.H.	
4	FE-B2	30-60	Prof. Ghadage A.P.	
5	FE-C1	1-20	Prof. Gholave G.K	
6	FE-C2	21-40	Prof. Gore P.M.	
7	FE-C3	41-60	Prof. Jare V.A.	
8	FE-D1	1-20	Prof. Jadhav B.V.	
9	FE-D2	21-40	Prof. Gawali G.D.	
10	FE-D3	41-57	Prof. Wani T.S.	

Mentor Coordinator

Prof. Wani T.S.

FE Coordinator

Prof. Suryawanshi P.M.



HSBPVT's GOI
Faculty of Engineering, Kashti
Department of Computer Engineering

A.Y. 2023-24

Class-TE

Elective Subjects & Audit Course Selection List-Sem_I

Elective I	Audit Course
310245(A): Internet of Things and Embedded Systems	310250(A): Cyber Security
310245(B): Human Computer Interface	310250(B): Professional Ethics and Etiquettes
310245(C): Distributed Systems	310250(C): Learn New Skills- Full Stack Developer
310245(D): Software Project Management	310250(D): Engineering Economics
---	310250(E): Foreign Language (Japanese)-Module 3

Roll.No.	Student Name	Elective -1	Audit Course	Sign
1	AJABE SANTOSH VILAS	310245(A)	310250(B)	
2	AKASH KAILAS CHAVAN	310245(A)	310250(B)	
3	AMALE RUTUJA PRABHAKAR	310245(A)	310250(B)	
4	BADE ONKAR SURESH	310245(A)	310250(B)	
5	BARGAL SANIKA SANTOSH	310245(A)	310250(B)	
6	BHAGAT POONAM SHASHIKANT	310245(A)	310250(B)	
7	BHAND VAISHNAVI ANANDA	310245(A)	310250(B)	
8	BHILANGE AISHWARIYA MUKUND	310245(A)	310250(B)	
9	BHOSALE SAIEE PRAMOD	310245(A)	310250(B)	
10	BHOSALE SANKET BAPURAO	310245(A)	310250(B)	
11	BHOSALE SWAPNALI BAPURAO	310245(A)	310250(B)	



HSBPVT's GOI
Faculty of Engineering, Kashti
Department of Computer Engineering

A.Y. 2023-24

Class-TE

12	BOKEFOD SIDDHESH PRADIP	310245(A)	310250(B)	Pradip
13	BORATE AKSHAY SADASHIV	310245(A)	310250(B)	A.S. Borate
14	CHAVHAN PRASHANT SAMPAT	310245(A)	310250(B)	Prashant
15	DIGHE OM DATTATRAY	310245(A)	310250(B)	Dighe
16	GADE NEHA PRAMOD	310245(A)	310250(B)	Gade
17	GAYAKE ABHISHEK RAJENDRA	310245(A)	310250(B)	Gayake
18	GHARATE DEVENDRA HIRAMAN	310245(A)	310250(B)	Gharate
19	GIRAMKAR SHRUSHTI ANKUSH	310245(A)	310250(B)	Shrushti
20	GORE GANESH MARUTI	310245(A)	310250(B)	Gore
21	GOSAVI ATHARV RAJESH	310246(A)	310260(B)	Gosavi
22	GURSALI APURVA DATTATRAY	310245(A)	310250(B)	Apurva
23	HIRADE POONAM SAHEBRAO	310245(A)	310250(B)	Poonam
24	HIRADE VISHWAS SANJAY	310245(A)	310250(B)	Vishwas
25	HOLKAR ROHIT JALINDAR	72210610G	72210610G	Rohit
26	JADHAV AVINASH SOPANA	72210611E	72210611E	Avinash
27	JADHAV RAHUL GORAKH	310245(A)	310250(B)	Rahul
28	JAMBE NIKITA MOTIRAM	310245(A)	310250(B)	Nikita
29	KAKADE KOHRAJ GAJANAN	310245(A)	310250(B)	Kohraj
30	KALE ROHAN RAOSAHEB	310245(A)	310250(B)	Rohan
31	KANDEKAR ROHINI SUKHDEV	310245(A)	310250(B)	Rohini
32	KHAMKAR ROHIT POPAT	310245(A)	310250(B)	Rohit
33	KHEDKAR TEJASVI VITTHAL	310245(A)	310250(B)	Tejasvi



HSBPVT's GOI
Faculty of Engineering, Kashti
Department of Computer Engineering

A.Y. 2023-24

Class-TE

34	KHUPTA SIDDHANT ABHAY	310245 (A)	310250(B)	<u>A.S.U.</u>
35	KOKAT ABHIJEET BALASAHEB	310245(A)	310250(B)	<u>Kokat</u>
36	LAGAD ROHAN SANDIP	310245(A)	310250(B)	<u>Rohan</u>
37	LOKHANDE GOVINDA KHANDU	310245(A)	310250(B)	<u>G.K.Lokhande</u>
38	LOKHANDE NEHA MARUTI	310245(A)	310250(B)	<u>Neha</u>
39	NAGAWADE PRATIK BHASKARRAO	310245(A)	310250(B)	<u>Nagawade</u>
40	NANDKHILE ABHISHEK SUNIL	310245(A)	310250(B)	<u>AB</u>
41	NAVALE KOMAL JALINDAR	310245(A)	310250(B)	<u>Komal</u>
42	NIGADE GAURAV SANDIP	310245(A)	310250(B)	<u>Nigade</u>
43	PACHPUTE HARSHWARDHAN RAJENDRA	310245(A)	310250(B)	<u>Pachpute</u>
44	PADOLE PRANIT SHAHADEV	310245(A)	310250(B)	<u>Padole</u>
45	PANDIT ROSHANI SURESH	310245(A)	310250(B)	<u>Pandit</u>
46	PARAKHE SAURABH SANTOSH	310245(A)	310250(B)	<u>Saurabh</u>
47	PARKALE SAKSHI MOHAN	310245(A)	310250(B)	<u>Parkale</u>
48	PAWAR AKANKSHA DATTATRAYA	310245(A)	310250(B)	<u>Pawar</u>
49	PAWAR AMOL NARSING	310245(A)	310250(B)	<u>Amol</u>
50	PAWAR OM SANTOSH	310245(A)	310250(B)	<u>Pawar</u>
51	PAWAR TANMAY DATTATRAY	310245(A)	310250(B)	<u>T.D.P</u>
52	PETKAR RUTIK RAJENDRA	310245(A)	310250(B)	<u>R.A. Petkar</u>
53	PRATHAMESH NITIN SONAWANE	310245(A)	310250(B)	<u>Prathamesh</u>
54	RUTUJA RAJENDRA SABALE	310245(A)	310250(B)	<u>Rutuja</u>
55	SALUNKE YASH SUDARSHAN	310245(A)	310250(B)	<u>Yash</u>



HSBPVT's GOI
Faculty of Engineering, Kashti
Department of Computer Engineering

A.Y. 2023-24

Class-TE

56	SHAIKH ARJU DILAWAR	310245(A)	310250(B)	
57	SHAIKH ASIM BASHIR	310245(A)	310250(B)	A.B. Shaikh
58	SHAIKH SHANZEY ADIL	310245(A)	310250(B)	
59	SHINDE PRASANNA NAVNATH	310245(A)	310250(B)	
60	SHITOLE SANCHIT BALASO	310245(A)	310250(B)	
61	SONAWANE JANVI SANTOSH	310245(A)	310250(B)	Janvi..
62	SONAWANE, SAHIL SANTOSH	310245(A)	310250(B)	Sahil
63	TAKALE RUPALI SHRIKANT	310245(A)	310250(B)	Takale
64	TAMBOLI RAFAT IQBAL	310245(A)	310250(B)	Rafat..
65	TANDALE TUSHAR KRUSHNA	310245(A)	310250(B)	
66	TEKALE PRANJAL SHIVDAS	310245(A)	310250(B)	Pranjale
67	THORAT SUCHITA SHIVAJI	310245(A)	310250(B)	Suchita
68	TIMUNE SURAJ SUBHASH	310245(A)	310250(B)	Suraj
69	TUPE MANISHA NANA	310245(A)	310250(B)	M.N. Tupe
70	UNDE RUSHIKESH SANTOSH	310245(A)	310250(B)	
71	VANJARE SNEHA DNYANDEV	310245(A)	310250(B)	Sanjari
72	WAGASKAR ARATI SHARAD	310245(A)	310250(B)	Arati..
73	WAKADE VAIBHAV LAXIMAN	310245(A)	310250(B)	Vkade
74	WAKTE SANGRAM ANIL	310245(A)	310250(B)	

Department of Electronics and telecommunication Engineering

Result Analysis TE E&TC 2023-24(SEM-II)

Sr.No.	No. of students Appeared	No. of Students passed in all Subjects	No. of Students Passed with First Class with Distinction	No. of Students Passed with First Class	No. of Students Passed with Higher Second Class	No of Students failed in subjects				Percentage
						1	2	3	all	
01	62	12	7	5	-	17	23	05	04	19.35

Faculty Result Analysis subject wise:

Sr No	Name Of The Staff	Subject	Percentage
1	Dr. Divekar S.N	EP	93.54
2	Dr. Date A.R.	PM	79.03
3	Prof.Khot J.S.	CN	19.35
4	Prof. Vyavahare V.A	PDC	61.29

CLASS TOPPERS

1st) HADKE PRIYANKA DIPAK

8.50 SGPA first class with distn.

2nd) PAWAR KOMAL BHAGCHAND

8.24 SGPA first class with distn.

3rd) SURYAVANSHI DNYANESHVAR BIBHISHAN

8.14 SGPA first class with distn.


Class Coordinator


H.O.D