



Department of Electronics and Telecommunication Engineering
Course Outcomes

S.Y. B. Tech. ENTPCC-01 Network Theory Analysis Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Apply different network theorems to simplify linear circuits.	L3: Apply
2	Compute two port network parameters and draw equivalent network	L3: Apply
3	Determine transient and steady state response of linear circuits	L3: Apply
4	Design passive filter and attenuator circuits	L3: Apply

S.Y.B.Tech ENTPCC-2 Electronics Circuit Analysis & Design Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Determine wave-shaping circuits & voltage multipliers.	L3: Apply
2	Demonstrate filter circuits and its comparison.	L3: Apply
3	Design unregulated power supply using rectifier and filter.	L3: Apply
4	Illustrate working, characteristics, and hybrid model of BJT.	L3: Apply
5	Design negative feedback amplifiers using BJT.	L3: Apply
6	Describe the construction, working & drain characteristics of JFET and MOSFET.	L2: Understand



Savitribai Phule Shikshan Prasarak Mandal's
SKN SINHGAD COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by DTE (MS) & Affiliated to Solapur University)

Accredited 'A' Grade by NAAC

DTE Code : EN-6643

Prof. M. N. Navale
M. E. (Elect.), MIE(I), MBA
PRESIDENT

Mr. Rohit M. Navale
M. E. (Mech.)
GENERAL SECRETARY

Dr. K. J. Karande
M. Tech. Ph. D. (E&TC)
PRINCIPAL

Department of Electronics and Telecommunication Engineering

S.Y. B. Tech ENTPCC-3- Analog and Digital Communication Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Describe the fundamental concepts and various components of analog communication systems	L2: Understand
2	Illustrate the mathematical techniques of generation and reception of amplitude, frequency and phase modulation signals	L2: Understand
3	Use source coding techniques for the memoryless discrete sources	L3: Apply
4	Explain pulse code modulation and binary digital modulation techniques	L2: Understand
5	Apply Linear block coding techniques for error detection & correction of block code	L3: Apply

S.Y.B.Tech ENTFP-02: PCB Design Lab Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Explain the steps involved in schematic, layout, fabrication, and assembly process of PCB design	L2: Understand
2	Design (schematic and layout) PCB for analog circuits, and digital circuits	L4: Analyze
3	Design (schematic and layout) and fabricate PCB for simple circuits	L4: Analyze
4	Evaluate an electronic printed circuit board for a specific application	L5: Evaluate



Savitribai Phule Shikshan Prasarak Mandal's
SKN SINHGAD COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by DTE (MS) & Affiliated to Solapur University)

Accredited 'A' Grade by NAAC

DTE Code : EN-6643

Prof. M. N. Navale
M. E. (Elect.), MIE(I), MBA
PRESIDENT

Mr. Rohit M. Navale
M. E. (Mech.)
GENERAL SECRETARY

Dr. K. J. Karande
M. Tech. Ph. D. (E&TC)
PRINCIPAL

Department of Electronics and Telecommunication Engineering

S.Y. B. Tech EM-01- Product Development and Entrepreneurship

Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Understand the concept of product development	L2: Understand
2	Identify the market strategies	L3: Apply
3	Frame the idea and convert it into a concept	L3: Apply
4	Identify the TRL, MRL and IRL level of product	L3: Apply
5	Demonstrate the business canvas model and lean canvas model	L3: Apply
6	Develop the strategies for launching the product in marketing	L3: Apply

S.Y. B.Tech ENTMDM- 01B- Sensor Technology

Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
CO1	Describe the classification depends on application.	L2: Understand
CO2	Explain the applications of Industrial Sensors.	L2: Understand
CO3	Analyse the applications of Medical Sensors.	L3: Apply



Savitribai Phule Shikshan Prasarak Mandal's
SKN SINHGAD COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by DTE (MS) & Affiliated to Solapur University)

Accredited 'A' Grade by NAAC

DTE Code : EN-6643

Prof. M. N. Navale
M. E. (Elect.), MIE(I), MBA
PRESIDENT

Mr. Rohit M. Navale
M. E. (Mech.)
GENERAL SECRETARY

Dr. K. J. Karande
M. Tech. Ph. D. (E&TC)
PRINCIPAL

Department of Electronics and Telecommunication Engineering

S.Y. B.Tech OE-01E:Mathematics for software and hardware applications Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Compute higher order linear differential equations.	L3: Apply
2	Solve Laplace transforms of given functions	L3: Apply
3	Compute Z-transforms of given functions	L3: Apply
4	Determine the numerical solutions of transcendental equations, ordinary differential equations and numerical integrations.	L3: Apply
5	Compute Fourier series and half range Fourier series.	L3: Apply
6	Solve the problems of Fourier integral and Fourier transform	L3: Apply

S.Y. B. Tech

HET11: Honors Computational Statistics

Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Describe fundamental aspects of efficient numerical methods for statistical analysis	L2: Understand
2	Explore modern computational statistical techniques	L2: Understand
3	Describe the role of computation as a tool of discovery	L2: Understand
4	Apply statistical methods for Machine learning applications.	L3: Apply



Savitribai Phule Shikshan Prasarak Mandal's
SKN SINHGAD COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by DTE (MS) & Affiliated to Solapur University)

Accredited 'A' Grade by NAAC

DTE Code : EN-6643

Prof. M. N. Navale
M. E. (Elect.), MIE(I), MBA
PRESIDENT

Mr. Rohit M. Navale
M. E. (Mech.)
GENERAL SECRETARY

Dr. K. J. Karande
M. Tech. Ph. D. (E&TC)
PRINCIPAL

Department of Electronics and Telecommunication Engineering
T.Y.B.Tech ET311- Electromagnetic Field Theory Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Calculate mathematical concepts related to electromagnetic vector fields.	L3: Apply
2	Derive the laws & mathematical concepts in electrostatic, magneto static fields and electromagnetic wave equation.	L3: Apply
3	Apply Maxwell's equations for static, Time varying and Harmonic field.	L3: Apply
4	Calculate transmission line parameters.	L3: Apply
5	Apply knowledge of Smith chart to determine transmission line parameters	L3: Apply

T.Y.B.Tech ET312- Microcontrollers and Applications Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Describe the fundamental features and operation of contemporary microcontroller	L2: Understand
2	Demonstrate hardware interfacing.	L3: Apply
3	Differentiate between CISC and RISC Microcontroller architectures	L2: Understand
4	Explain the various core and peripheral features in microcontroller family	L2: Understand
5	Develop an application program in assembly language and C language for microcontrollers	L4: Analyze



Savitribai Phule Shikshan Prasarak Mandal's
SKN SINHGAD COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by DTE (MS) & Affiliated to Solapur University)

Accredited 'A' Grade by NAAC

DTE Code : EN-6643

Prof. M. N. Navale
M. E. (Elect.), MIE(I), MBA
PRESIDENT

Mr. Rohit M. Navale
M. E. (Mech.)
GENERAL SECRETARY

Dr. K. J. Karande
M. Tech. Ph. D. (E&TC)
PRINCIPAL

Department of Electronics and Telecommunication Engineering
T.Y. B.Tech ET313- Digital Signal Processing Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Solve problems based on Correlation and DFT.	L3: Apply
2	Analyze response of the system using linear filtering.	L3: Apply
3	Calculate FFT of the Discrete signal.	L3: Apply
4	Evaluate FIR & IIR filter coefficients using different techniques.	L5: Evaluate
5	Realize transfer function of FIR & IIR filters using different methods	L3: Apply
6	Apply concepts of DSP in various applications.	L3: Apply

T.Y.B.Tech ET314.2- Project Management & Operation Research Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Explain the fundamental components of Project Management	L2: Understand
2	Describe different aspects of activity planning, Scheduling and risk Management techniques.	L2: Understand
3	Solve the problem based on Operations Research and LPP.	L3: Apply
4	Use different Assignment models for Operations Research	L3: Apply



Savitribai Phule Shikshan Prasarak Mandal's
SKN SINHGAD COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by DTE (MS) & Affiliated to Solapur University)

Accredited 'A' Grade by NAAC

DTE Code : EN-6643

Prof. M. N. Navale
M. E. (Elect.), MIE(I), MBA
PRESIDENT

Mr. Rohit M. Navale
M. E. (Mech.)
GENERAL SECRETARY

Dr. K. J. Karande
M. Tech. Ph. D. (E&TC)
PRINCIPAL

Department of Electronics and Telecommunication Engineering
T. Y. B. Tech ET316- Electronic Software Lab-III Sem. – I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Implement Object oriented features and server-side programming	L3: Apply
2	Use Java runtime library APIs for implementing functionality of various applications	L3: Apply
3	Implement exceptional handling through Java programming for a given problem	L3: Apply
4	Select appropriate Java runtime library APIs to create GUI and web application using Java language.	L3: Apply

T.Y.B.Tech

HET12- Artificial Intelligence

Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Formulate sequence of actions for an agent as a search problem	L2: Understand
2	Infer from represented knowledge using logical and probabilistic reasoning methods	L2: Understand
3	Solve agent decision problems using probability theory	L3: Apply
4	Explain forms of learning and demonstrate their working	L2: Understand



Savitribai Phule Shikshan Prasarak Mandal's
SKN SINHGAD COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by DTE (MS) & Affiliated to Solapur University)

Accredited 'A' Grade by NAAC

DTE Code : EN-6643

Prof. M. N. Navale
M. E. (Elect.), MIE(I), MBA
PRESIDENT

Mr. Rohit M. Navale
M. E. (Mech.)
GENERAL SECRETARY

Dr. K. J. Karande
M. Tech. Ph. D. (E&TC)
PRINCIPAL

Department of Electronics and Telecommunication Engineering
Final Year B. Tech ET421- Microwave Engineering Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Understand the importance of microwave Engineering.	L1:Remember
2	Formulate the wave equation in wave guide for analysis.	L3:Apply
3	Understand the working principles of all the microwave tubes and solid state devices	L1:Remember
4	Identify the use of microwave components and devices in microwave applications.	L2:Understand
5	Carry out the microwave network analysis	L3:Apply
6	Choose a suitable microwave measurement instruments & carry out the required measurements	L1:Remember

Final Year B. Tech ET412- DATA COMMUNICATION Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Explain Data Communications System and its components.	L2: Understand
2	Define different types of network topologies and its protocols.	L1: Remember
3	Illustrate the function of the each layer of OSI model and TCP/IP.	L2: Understand
4	Describe building skills of subletting and routing mechanisms.	L2: Understand
5	Discuss the application protocols of computer networks.	L2: Understand



Savitribai Phule Shikshan Prasarak Mandal's
SKN SINHGAD COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by DTE (MS) & Affiliated to Solapur University)

Accredited 'A' Grade by NAAC

DTE Code : EN-6643

Prof. M. N. Navale
M. E. (Elect.), MIE(I), MBA
PRESIDENT

Mr. Rohit M. Navale
M. E. (Mech.)
GENERAL SECRETARY

Dr. K. J. Karande
M. Tech. Ph. D. (E&TC)
PRINCIPAL

Department of Electronics and Telecommunication Engineering

Final Year B. Tech

ET413- VLSI Design

Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Explain the different syntax of Verilog HDL language.	L2: Understand
2	Design combinational circuits using Verilog HDL.	L3: Apply
3	Design sequential logic circuits using Verilog HDL.	L3: Apply
4	Describe MOS transistor theory and behavior of E-MOSFET.	L2: Understand
5	Model combinational logic circuit design using E-MOSFETs.	L3: Apply
6	Discuss the architecture and internal components of CPLD and FPGA.	L2: Understand

Final Year. B.Tech ET414.2- Mobile Communication Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Define cellular systems, working and hand off strategies implemented in mobile communication	L1: Remember
2	Analyse various losses in mobile radio propagations and define multiple access schemes sharing radio spectrum.	L4: Analyse
3	Define GSM -architecture, frame structure, system capacity and services provided.	L1: Remember
4	Describe mobile communication evolution of 2G to 5G technologies	L1: Remember
5	Analyze emerging technologies required for fourth generation mobile systems such as Long Term Evolution(LTE) & 5G next generation technology	L4: Analyse



Savitribai Phule Shikshan Prasarak Mandal's
SKN SINHGAD COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by DTE (MS) & Affiliated to Solapur University)

Accredited 'A' Grade by NAAC

DTE Code : EN-6643

Prof. M. N. Navale
M. E. (Elect.), MIE(I), MBA
PRESIDENT

Mr. Rohit M. Navale
M. E. (Mech.)
GENERAL SECRETARY

Dr. K. J. Karande
M. Tech. Ph. D. (E&TC)
PRINCIPAL

Department of Electronics and Telecommunication Engineering
Final Year B. Tech ET415-Research Methodology Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Explain research problem formulation.	L2: Understand
2	Differentiate research related information.	L2: Understand
3	Summarize the importance of Report writing.	L2: Understand
4	Discuss the research ethics.	L2: Understand
5	Interpret data analysis strategies.	L2: Understand
6	Explain different research design and sampling design.	L2: Understand

Final Year B. Tech HET16: H_AI Applications Sem.-I

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Summarize fundamentals of AI & overview of AI applications	L2: Understand
2	Demonstrate computer vision techniques for image analysis, object detection, recognition, segmentation, pattern recognition and searching algorithms	L3: Apply
3	Determine real- world problems related to expert system	L3: Apply
4	Illustrate the field of NLP applications such as sentiment analysis, Chabot's, speech recognition	L3: Apply
5	Apply reinforcement learning techniques for different problems	L3: Apply
6	Examine advanced AI applications like robotics	L3: Apply



Savitribai Phule Shikshan Prasarak Mandal's
SKN SINHGAD COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by DTE (MS) & Affiliated to Solapur University)

Accredited 'A' Grade by NAAC

DTE Code : EN-6643

Prof. M. N. Navale
M. E. (Elect.), MIE(I), MBA
PRESIDENT

Mr. Rohit M. Navale
M. E. (Mech.)
GENERAL SECRETARY

Dr. K. J. Karande
M. Tech. Ph. D. (E&TC)
PRINCIPAL

Department of Electronics and Telecommunication Engineering
S.Y.B.Tech ENTPCC-04 – Signals & Systems Sem.-II

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Classify the different signals and systems mathematically & graphically	L3: Apply
2	Solve numerical on convolution integral, Convolution sum and Sampling theorem.	L3: Apply
3	Model LTI system equations by using different forms	L3: Apply
4	Use Fourier series for analysis of complex exponential signals.	L3: Apply
5	Determine Fourier Transform of a function	L3: Apply
6	Calculate Z Transform of a function	L3: Apply

S. Y. B. Tech ENTPCC-05 - Control System

Sem.-II

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Calculate transfer function using mathematical models for control system.	L3: Apply
2	Determine transfer function of systems using signal flow graph and block diagram reduction.	L3: Apply
3	Examine the stability of systems.	L3: Apply
4	Analyze control system in frequency domain and state space.	L4: Analyze



Savitribai Phule Shikshan Prasarak Mandal's
SKN SINHGAD COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by DTE (MS) & Affiliated to Solapur University)

Accredited 'A' Grade by NAAC

DTE Code : EN-6643

Prof. M. N. Navale
M. E. (Elect.), MIE(I), MBA
PRESIDENT

Mr. Rohit M. Navale
M. E. (Mech.)
GENERAL SECRETARY

Dr. K. J. Karande
M. Tech. Ph. D. (E&TC)
PRINCIPAL

Department of Electronics and Telecommunication Engineering
S.Y.B.Tech ENTPCC-06– Analog Integrated Circuits Sem.-II

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Explain the fundamentals of op amp with characteristics of ideal and practical op amp.	L2: Understand
2	Illustrate frequency response of op amp.	L2: Understand
3	Develop various Linear and Nonlinear applications of op amp.	L3: Apply
4	Design first order and second order filters.	L3: Apply
5	Describe the concept of special ICs and its applications.	L2: Understand

S.Y.B.Tech ENTSEC-01– Data Structure Sem.-II

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Illustrate data organizations and data structure operations, with their time and space complexity	L3: Apply
2	Develop solutions using stacks and queues with their time and space complexity	L3: Apply
3	Build various types of linked lists based on time and space complexity.	L3: Apply
4	Develop search and traversal algorithms for trees and graphs, with their computational complexity	L3: Apply
5	Apply various Sorting and Searching algorithms in terms of time and space complexity.	L3: Apply



Savitribai Phule Shikshan Prasarak Mandal's
SKN SINHGAD COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by DTE (MS) & Affiliated to Solapur University)

Accredited 'A' Grade by NAAC

DTE Code : EN-6643

Prof. M. N. Navale
M. E. (Elect.), MIE(I), MBA
PRESIDENT

Mr. Rohit M. Navale
M. E. (Mech.)
GENERAL SECRETARY

Dr. K. J. Karande
M. Tech. Ph. D. (E&TC)
PRINCIPAL

Department of Electronics and Telecommunication Engineering
S.Y.B.Tech EM-02– Project Management & Economics Sem.-II

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Demonstrate decision making and communication as a member of a team as well as Lead a team for effective management of construction projects.	L2: Understand
2	Apply the Optimization techniques for decision making in construction industry	L3: Apply
3	Describe ABC analysis, Break even analysis and calculate EOQ and Inventory costs for construction project	L2: Understand
4	Explain the decision making abilities based on economics in projects and to appraise alternative projects	L2: Understand

S.Y.B.Tech VEC-02- Professional Ethics Sem.-II

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Describe the human values in their behaviour	L2: Understand
2	Demonstrate the Engineering ethics in their professional practice.	L2: Understand
3	Explain the safety and responsibility and professional rights in their professional practice	L2: Understand
4	Outline the code of ethics of Global organizations such as ASME, ASCE, and IEEE	L4: Analyze



Savitribai Phule Shikshan Prasarak Mandal's
SKN SINHGAD COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by DTE (MS) & Affiliated to Solapur University)

Accredited 'A' Grade by NAAC

DTE Code : EN-6643

Prof. M. N. Navale
M. E. (Elect.), MIE(I), MBA
PRESIDENT

Mr. Rohit M. Navale
M. E. (Mech.)
GENERAL SECRETARY

Dr. K. J. Karande
M. Tech. Ph. D. (E&TC)
PRINCIPAL

Department of Electronics and Telecommunication Engineering
T.Y.B.Tech ET321-Antenna & Wave Propagation Sem.-II

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Describe the basic concepts of antenna and its parameters	L2: Understand
2	Summarize radiation Pattern & types of antenna arrays	L2: Understand
3	Illustrate the techniques for antenna parameter measurements.	L3: Apply
4	Discuss the characteristics of radio wave propagation.	L2: Understand
5	Explain the working & applications of antenna.	L2: Understand

T.Y.B.Tech ET322- Embedded Systems Sem.-II

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Describe hardware and software architecture of embedded system	L2: Understand
2	Explain ARM7/TDMI core architecture and controller based on this architecture	L2: Understand
3	Apply C program for different applications for LPC2148 microcontroller	L3: Apply
4	Illustrate different peripherals with LPC2148 microcontroller	L3: Apply
5	Use microcontroller based real time systems for different applications	L3: Apply



Savitribai Phule Shikshan Prasarak Mandal's
SKN SINHGAD COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by DTE (MS) & Affiliated to Solapur University)

Accredited 'A' Grade by NAAC

DTE Code : EN-6643

Prof. M. N. Navale
M. E. (Elect.), MIE(I), MBA
PRESIDENT

Mr. Rohit M. Navale
M. E. (Mech.)
GENERAL SECRETARY

Dr. K. J. Karande
M. Tech. Ph. D. (E&TC)
PRINCIPAL

Department of Electronics and Telecommunication Engineering
T.Y.B.Tech ET213- Electronics System Design Sem.-II

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Describe construction, working characteristics of thyristors.	L2:Understand
2	Analyse AC and DC power control circuits using thyristors.	L4:Analyse
3	Design timers, frequency counters, digital voltmeters and frequency synthesizers.	L3:Apply
4	Develop Communication system components for system design.	L3:Apply
5	Design and analyze controllers for industrial applications.	L3:Apply

T.Y.B.Tech ET324.3 –Multimedia Communication Technology Sem.-II

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Illustrate working of monochrome and color television transmitter and receiver.	L2: Understand
2	Compare different types of modern color televisions..	L2: Understand
3	Acquire knowledge of latest digital TV systems and applications.	L2: Understand
4	Explain the concept of multimedia and data representation.	L2: Understand
5	Experiment with the digital audio & video systems.	L3: Apply
6	Analyse different audio and video compression techniques.	L4: Analyse



Savitribai Phule Shikshan Prasarak Mandal's
SKN SINHGAD COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by DTE (MS) & Affiliated to Solapur University)

Accredited 'A' Grade by NAAC

DTE Code : EN-6643

Prof. M. N. Navale
M. E. (Elect.), MIE(I), MBA
PRESIDENT

Mr. Rohit M. Navale
M. E. (Mech.)
GENERAL SECRETARY

Dr. K. J. Karande
M. Tech. Ph. D. (E&TC)
PRINCIPAL

Department of Electronics and Telecommunication Engineering
T.Y.B.Tech ET325.1- Sensors and Applications Sem.-II

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Elaborate the concept of sensors and its characteristics.	L2: Understand
2	Describe the working principle of analog and digital sensors.	L2: Understand
3	Design sensor interface circuits for a given engineering problem.	L3: Apply
4	Illustrate use of different sensors with Arduino and Raspberry Pi	L3: Apply

T.Y.B.Tech HET14 - Honors-Machine Learning Sem.-II

CO	Course Outcomes: At the end of this course, students will be able to:	Cognitive Level
1	Describe fundamental aspects of Machine Learning	L2: Understand
2	Illustrate different Machine Learning models.	L3: Apply
3	Discuss classification and regression algorithms	L2: Understand
4	Explain neural network for classification	L2: Understand
5	Distinguish between various characteristics of ML	L2: Understand
6	Interpret Machine learning techniques that enable to solve real world problems.	L2: Understand