



Sri Sri Mookambika Educational Society's
VAAGDEVI INSTITUTE OF TECHNOLOGY & SCIENCE
Peddasettipalli (V), Proddatur-516360.



(Approved by A.I.C.T.E., New Delhi, Affiliated to JNTUA, Anantapuramu)

1.2.1

**Value added courses
with Course modules
during the last five
years**



List of Add-on/ Certificate Course offered During Last Five Year

Sr.No.	Name of Program / Certificate Program Offered	Academic Year
1.	The modern JavaScripting	2022-23
2.	IOT Enabled Small Sensors and Its Applications	2022-23
3.	Service Oriented Architecture with Cloud Computing	2022-23
4.	Fuzzy Systems Applications in Engineering	2022-23
5.	Speak English Professionally: In Person, Online & On the Phone	2022-23
6.	Java Scripts in Web Programming	2021-22
7.	Machine Learning for Engineering and Science Applications	2021-22
8.	Digital Image Processing using MATLAB	2021-22
9.	Enhancing Soft Skills and Personality	2021-22
10.	Introduction to Linux Shell and Shell Scripting	2020-21
11.	Data Science with AI & ML	2020-21
12.	Embedded Systems and Aurdino Programming	2020-21
13.	Cyber-Physical System	2020-21
14.	Developing Soft Skills and Personality	2020-21
15.	Automating Real-World Tasks with Python	2019-20
16.	Hands on Training on Introduction to R	2019-20
17.	Data Visualization and Communication with Tableau	2019-20
18.	Introduction to Smart Grid	2019-20
19.	Electric Circuit Design using MATLAB	2019-20
20.	Soft Skills Development	2019-20
21.	Programming in JAVA	2018-19
22.	Ethical Hacking	2018-19
23.	Embedded and IOT	2018-19
24.	VLSI Design using FPGA	2018-19
25.	Enhancing Soft Skills and Personality	2018-19

B. Siddeshwari

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2022-23



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ADD ON COURSE SCHEDULE

Degree	:	B.TECH	Branch	:	CSE-A
Academic Year	:	2022-2023	Year /Semester	:	II / II
Course duration	:	45 Hours	Name of the Faculty	:	SURA MANIDHEER
Course Name	The modern Java Scripting				

Module No	Contents	Dates	Timing	No. of Hours
1.	Code editors, Manuals and specifications.	06/03/2023- 11/03/2023	04:00 PM to 04:50 PM	5
2.	Developer console, the modern mode, java script special.	13/03/2023- 18/03/2023	04:00 PM to 04:50 PM	5
3.	Debugging in browser, coding style, ninja code, comments.	20/03/2023- 25/03/2023	04:00 PM to 04:50 PM	5
4.	Garbage collections, optional chaining, objects.	27/03/2023- 01/04/2023	04:00 PM to 04:50 PM	5
5.	Methods of primitives, array methods, iterables.	03/04/2023- 08/04/2023	04:00 PM to 04:50 PM	5
6.	JSON and to JSON, week map and week set.	10/04/2023- 15/04/2023	04:00 PM to 04:50 PM	5
7.	Property flags and property getters.	24/04/2023- 29/04/2023	04:00 PM to 04:50 PM	5
8.	Native prototype, F prototype.	01/05/2023- 06/05/2023	04:00 PM to 04:50 PM	5
9.	Call backs, promise API, promise, promise Chaining.	08/05/2023- 13/05/2023	04:00 PM to 04:50 PM	5


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ADD ON COURSE SCHEDULE

Degree	:	B.TECH	Branch	:	CSE - A
Academic Year	:	2022-2023	Year /Semester	:	IV / I
Course duration	:	40 Hours	Name of the Faculty	:	ASIYA THAPASWIN PATTAN
Course Name	IOT ENABLED SMALL SENSORS AND ITS APPLICATIONS				

Module No	Contents	Dates	Timing	No. of Hours
1.	Introduction to IoT and Small Sensors: Definition and evolution of IoT Characteristics and types of small sensors Overview of IoT applications and use cases Basics of Sensor Technology: Principles of sensing Types of small sensors (temperature, humidity, pressure, motion, etc.) Sensor characteristics: accuracy, precision, sensitivity	24/10/2022- 29/10/2022	04:00 PM to 05:00 PM	5
2.	Communication Protocols for IoT: Introduction to IoT communication protocols (MQTT, CoAP, HTTP) Wireless communication standards (Wi-Fi, Bluetooth, Zigbee, LoRa) Security considerations in IoT communication IoT Architecture and Platforms: IoT architecture layers (perception, network, application) Cloud computing for IoT Edge computing in IoT and its benefits	07/11/2022- 12/11/2022	04:00 PM to 05:00 PM	5
3.	Embedded Systems and Microcontrollers: Introduction to microcontrollers for sensor nodes Programming small sensors with microcontrollers (Arduino, ESP8266) Power management for sensor nodes IoT Prototyping Platforms: Overview of IoT prototyping platforms (Arduino,	14/11/2022- 19/11/2022	04:00 PM to 05:00 PM	5



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	Raspberry Pi, NodeMCU) Building IoT projects with prototyping platforms Interfacing small sensors with prototyping platforms			
4.	Data Acquisition and Processing: Data acquisition methods from small sensors Signal conditioning and preprocessing Data fusion and aggregation for meaningful insights Power Management and Energy Harvesting: Power requirements of small sensors Energy harvesting techniques and their applications Low-power design considerations for sensor nodes	21/11/2022- 26/11/2022	04:00 PM to 05:00 PM	5
5.	IoT Security and Privacy: Security challenges in IoT Encryption and authentication in IoT Privacy concerns and regulations for sensor data	28/11/2022- 03/12/2022	04:00 PM to 05:00 PM	5
6.	IoT Applications and Case Studies: Smart home applications (smart lighting, temperature control) Industrial IoT (IIoT) applications (predictive maintenance, asset tracking) Healthcare applications (remote patient monitoring) Environmental monitoring (air quality, soil moisture)	05/12/2022- 10/12/2022	04:00 PM to 05:00 PM	5
7.	Cloud Integration and Analytics: Sending sensor data to the cloud Cloud-based analytics for sensor data Visualization and interpretation of IoT data using tools like Power BI, Tableau	12/12/2022- 17/12/2022	04:00 PM to 05:00 PM	5
8.	IoT Standards and Interoperability: Overview of IoT standards (e.g., IoTivity, OCF, Thread) Interoperability challenges and solutions Industry consortiums and alliances (e.g., Open Connectivity Foundation)	19/12/2022- 24/12/2022	04:00 PM to 05:00 PM	5


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ADD ON COURSE SCHEDULE

Degree	:	B.TECH	Branch	:	CSE-A
Academic Year	:	2022-2023	Year /Semester	:	III / I
Course duration	:	40 Hours	Name of the Faculty	:	SHAIK AKHOOB ALI
Course Name	Service Oriented Architecture with Cloud Computing				

Module No	Contents	Dates	Timing	No. of Hours
1.	Concepts of Distributed Computing, XML, Fundamental of SOA, evolution of SOA	24/10/2022- 29/10/2022	04:00 PM to 04:50 PM	5
2.	Web Services Fundamental and Standard: Web Services: Definition, Architectures and Standards. Directory services, SOAP, REST WSDL, UDDI.	07/11/2022- 12/11/2022	04:00 PM to 04:50 PM	5
3.	Principles of Service-Oriented Architecture- Service- orientation and object- orientation, SOA Standards Stack, SOA with Web Services, Key Principles of SOA.	14/11/2022- 19/11/2022	04:00 PM to 04:50 PM	5
4.	SOA and WS Extension: Message Exchange Pattern, Coordination, Atomic Transactions, Business Activities, Orchestration, Choreography.	21/11/2022- 26/11/2022	04:00 PM to 04:50 PM	5
5.	WS-Addressing, WS- Reliable Messaging, WS-Policy (including WS-Policy Attachments and WS-Policy Assertions), WS-Metadata Exchange	28/11/2022- 03/12/2022	04:00 PM to 04:50 PM	5
6.	Principles of Service-Oriented Computing: RPC versus Document Orientation, Service Life Cycle, Service Creation, Service Design and Build.	05/12/2022- 10/12/2022	04:00 PM to 04:50 PM	5
7.	Service Composition, Service Execution and Monitoring, Service Termination, Service Composition and Modelling Business.	12/12/2022- 17/12/2022	04:00 PM to 04:50 PM	5
8.	SOA Platforms: SOA support in J2EE – Java API for XML- based web services (JAX-WS) – Java architecture for XML binding (JAXB).	19/12/2022- 24/12/2022	04:00 PM to 04:50 PM	5



ADD ON COURSE SCHEDULE

Degree	:	B.TECH	Branch	:	ECE-B
Academic Year	:	2022-2023	Year /Semester	:	III / I
Course duration	:	45 Hours	Name of the Faculty	:	B. Nadiya
Course Name	Fuzzy System Application in Engineering				

Module No	Contents	Dates	Timing	No. of Hours
1.	Introduction and Fuzzy Sets Theory	24/10/2022 to 29/10/2022	04:00 PM to 05:00 PM	6
2.	Membership Functions	07/11/2022 to 12/11/2022	04:00 PM to 05:00 PM	6
3.	Set Theoretic Operations	14/11/2022 to 19/11/2022	04:00 PM to 05:00 PM	6
4.	Fuzzy Arithmetic, Fuzzy Relations	21/11/2022 to 26/11/2022	04:00 PM to 05:00 PM	6
5.	Fuzzy Inference Systems I	28/11/2022 to 03/12/2022	04:00 PM to 05:00 PM	6
6.	Fuzzy Inference Systems II	05/12/2022 to 10/12/2022	04:00 PM to 05:00 PM	6
7.	Wang and Mendel Model, TSK Model	12/12/2022 to 17/12/2022	04:00 PM to 05:00 PM	6
8.	Fuzzifiers and Defuzzifiers, ANFIS Architecture	19/12/2022 to 24/12/2022	04:00 PM to 05:00 PM	3



ADD ON COURSE SCHEDULE

Degree	:	B.TECH	Branch	:	CSE - A
Academic Year	:	2022-2023	Year /Semester	:	I / I
Course duration	:	40 Hours	Name of the Faculty	:	M.GURUBHASKARA REDDY
Course Name	Speak English Professionally: In Person, Online & On the Phone				

Module No	Contents	Dates	Timing	No. of Hours
1.	Introduction. The Art of Speaking. Encoding Meaning Using Verbal and Nonverbal Symbols. Cross Cultural Communication. Verbal Communication. Encoding Meaning Using Verbal Symbols. How Words Work and How to Use Words.	24/10/2022- 29/10/2022	04:00 PM to 04:50 PM	5
2.	Nonverbal Communication. Encoding Meaning Using Nonverbal Symbols. How to Improve Body Language. Eye Communication, Facial Expression, Dress and Appearance. Posture and Movement, Gesture, Paralanguage. Role Plays and Activities.	07/11/2022- 12/11/2022	04:00 PM to 04:50 PM	5
3.	Phonetics Standard Language and Queen's English. Phonemes of English: Vowels. Phonemes of English: Diphthongs and Consonants. Stress and Rhythm. Intonation.	14/11/2022- 19/11/2022	04:00 PM to 04:50 PM	5



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4.	Voice and Delivery. Voice and Personality. How to Improve Voice How to Improve Delivery Pace, Pause, Pitch. Volume, Modulation, Resonance.	21/11/2022- 26/11/2022	04:00 PM to 04:50 PM	5
5.	Basic Conversational Skills. Greetings and making introductions. Asking for information and giving instructions. Making requests. Agreeing and disagreeing. Making recommendations	28/11/2022- 03/12/2022	04:00 PM to 04:50 PM	5
6.	Appearing in Interviews and taking Interviews. Interviewing Skills. Appearing in an Interview. Conducting an Interview. Analysis of a bad interview\ Analysis of a good interview	05/12/2022- 10/12/2022	04:00 PM to 04:50 PM	5
7.	Making and Assessing Presentations. How to Make Successful. Presentations How to Make Successful. Presentations Analysis of a Bad. Presentation Analysis of a Good Presentation.	12/12/2022- 17/12/2022	04:00 PM to 04:50 PM	5
8.	Group Discussions and Meetings Participating in a Meeting Chairing a Meeting Analysis of an ill conducted meeting Analysis of a well conducted meeting	19/12/2022- 24/12/2022	04:00 PM to 04:50 PM	5

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2021-22



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Degree	:	B. TECH	Branch	:	EEE
Academic Year	:	2021-2022	Year /Semester	:	II / II
Course duration	:	40 Hours	Name of the Faculty	:	DUGGIVENI BALAGURAPPA
Course Name	Java Scripts in Web Programming				

Module No	Contents	Dates	Timing	No. Of Hours
1	Introduction to JavaScript and Web Programming: What is JavaScript, Importance of JavaScript in Web Development, Role of JavaScript in Client-Side and Server-Side Scripting,	02/05/2022 to 07/05/2022	04:00 PM to 5:00 PM	5
2	Fundamentals of JavaScript: Syntax and Basic Concepts, Control Structures and Functions, Arrays, Objects, and Object-Oriented Programming	09/05/2022 to 14/05/2022	04:00 PM to 5:00 PM	5
3	Client-Side Scripting with JavaScript: Interacting with the DOM, Asynchronous JavaScript and AJAX	16/05/2022 to 21/05/2022	04:00 PM to 5:00 PM	5
4	Server-Side Scripting with JavaScript: Introduction to Node.js, Building Web Servers with Express.js, Working with Data and APIs	23/05/2022 to 28/05/2022	04:00 PM to 5:00 PM	5
5	JavaScript Frameworks and Libraries: Overview of JavaScript Frameworks, Introduction to jQuery and lodash	30/05/2022 to 04/06/2022	04:00 PM to 5:00 PM	5
6	Web Programming Best Practices: Writing Clean and Maintainable Code, Optimizing Performance, Security Considerations,	06/06/2022 to 11/06/2022	04:00 PM to 5:00 PM	5
7	Frontend Development Tools and Technologies: Introduction to Frontend Development Tools, Package Management with npm and yarn, Browser Developer Tools	13/06/2022 to 18/06/2022	04:00 PM to 5:00 PM	5
8	Backend Development Tools and Technologies: Building Web Servers with Express.js, Working with Databases and ORMs, Deployment and Server Configuration	27/06/2022 to 02/07/2022	04:00 PM to 5:00 PM	5

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Degree	:	B. TECH	Branch	:	EEE
Academic Year	:	2021-2022	Year /Semester	:	IV / I
Course duration	:	45 Hours	Name of the Faculty	:	P RANGA JYOTHI
Course Name	Machine Learning for Engineering and Science Applications				

Module No	Contents	Dates	Timing	No. Of Hours
1	Introduction to Machine Learning, Linear Algebra	06/12/2021 to 11/12/2021	04:00 PM to 5:00 PM	6
2	Probability-Means, KNN, GMM, Expectation Maximization, Applications	13/12/2021 to 18/12/2021	04:00 PM to 5:00 PM	6
3	Numerical computation and optimization, Introduction to Machine learning packages	20/12/2021 to 25/12/2021	04:00 PM to 5:00 PM	6
4	Linear and Logistic Regression – Bias/Variance Trade off, Regularization, Variants of Gradient Descent, MLE, MAP, Applications	27/12/2021 to 01/01/2022	04:00 PM to 5:00 PM	6
5	Neural Networks – Multi layer Perceptron, Back propagation, Applications	03/01/2022 to 08/01/2022	04:00 PM to 5:00 PM	6
6	Conventional Neural Networks 1 – CNN Operations, CNN architectures	17/01/2022 to 22/01/2022	04:00 PM to 5:00 PM	6
7	Conventional Neural Networks 2 – Training, Transfer Learning, Applications	24/01/2022 to 29/01/2022	04:00 PM to 5:00 PM	6
8	Recurrent Neural Networks RNN, LSTM, GRU, Applications	31/01/2022 to 02/02/2022	04:00 PM to 5:00 PM	3

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Degree	:	B. TECH	Branch	:	EEE
Academic Year	:	2021-2022	Year /Semester	:	III / II
Course duration	:	40 Hours	Name of the Faculty	:	PALAGIRI OBULA REDDY
Course Name	Digital Image Processing Using MATLAB				

Module No	Contents	Dates	Timing	No. Of Hours
1	Introduction to Digital Image Processing: Overview of digital image processing Basics of image representation (pixels, colour models) Image acquisition and sampling. MATLAB Basics for Image Processing: Introduction to MATLAB for image processing Image reading, writing, and display in MATLAB Basic image manipulation and operations.	02/05/2022 to 07/05/2022	04:00 PM to 05:00 PM	5
2	Image Enhancement Techniques: Histogram equalization Contrast stretching Spatial domain methods for image enhancement Image Filtering and Convolution: Convolution operation in image processing Common linear filters (smoothing, sharpening) Frequency domain filtering.	09/05/2022 to 14/05/2022	04:00 PM to 05:00 PM	5
3	Image Segmentation: Thresholding techniques Region-based segmentation Edge detection methods Feature Extraction: Texture analysis Shape descriptors Fourier descriptors.	16/05/2022 to 21/05/2022	04:00 PM to 05:00 PM	5
4	Morphological Image Processing: Binary morphology (erosion, dilation) Grayscale morphology Structuring elements Image Restoration: Image degradation and models Restoration techniques (inverse filtering, Wiener filtering) Blind restoration.	23/05/2022 to 28/05/2022	04:00 PM to 05:00 PM	5



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5	Image Compression: Basics of image compression Lossless and lossy compression techniques JPEG and other compression standards Colour Image Processing: Colour models (RGB, HSL, CMYK) Colour space transformations Colour image enhancement and correction	30/05/2022 to 04/06/2022	04:00 PM to 05:00 PM	5
6	Image Registration: Image alignment and registration Transformation models Applications of image registration	06/06/2022 to 11/06/2022	04:00 PM to 05:00 PM	5
7	Image Analysis and Computer Vision: Object detection and recognition Image segmentation for computer vision Machine learning in image analysis	13/06/2022 to 18/06/2022	04:00 PM to 05:00 PM	5
8	MATLAB Toolboxes for Image Processing: Overview of Image Processing Toolbox in MATLAB Additional toolboxes for specific applications (Computer Vision, Image Acquisition)	27/06/2022 to 02/07/2022	04:00 PM to 05:00 PM	5

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ADD ON COURSE SCHEDULE

Degree	:	B. TECH	Branch	:	EEE
Academic Year	:	2021-2022	Year /Semester	:	I / I
Course duration	:	40 Hours	Name of the Faculty	:	M. GURUBHASKARA REDDY
Course Name	Enhancing Soft Skills And Personality				

Module No	Contents	Dates	Timing	No. Of Hours
1	Definitions and Types of Mindset - Learning Mindsets - Secrets of Developing Growth Mind sets.	06/12/2021 to 11/12/2021	04:00 PM to 05:00 PM	6
2	Importance of Time and Understanding Perceptions of Time - Using Time Efficiently - Understanding Procrastination - Overcoming Procrastination Don't Say "Yes" to Make Others Happy!	13/12/2021 to 18/12/2021	04:00 PM to 05:00 PM	6
3	Types of People - How to Say "No"- Controlling Anger - Gaining Power from Positive Thinking-1- Gaining Power from Positive Thinking-2.	20/12/2021 to 25/12/2021	04:00 PM to 05:00 PM	6
4	What Makes Others Dislike You? - What Makes Others Like You? -1 - What Makes Others Like You? -2 - Being Attractive-1 - Being Attractive-2.	27/12/2021 to 01/01/2022	04:00 PM to 05:00 PM	6
5	Common Errors - Humour in Communication - Humor in the Workplace	03/01/2022 to 08/01/2022	04:00 PM to 05:00 PM	6
6	Function of Humour in the Workplace - Money and Personality - Managing Money	17/01/2022 to 22/01/2022	04:00 PM to 05:00 PM	6
7	Health and Personality - Managing Health-1: Importance of Exercise - Managing Health-2: Diet and Sleep- Love and Personality - Managing Love	24/01/2022 to 29/01/2022	04:00 PM to 05:00 PM	4

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2020-21



ADD ON COURSE SCHEDULE

Degree	:	B.TECH	Branch	:	CSE-A
Academic Year	:	2020-2021	Year /Semester	:	II / II
Course duration	:	40 Hours	Name of the Faculty	:	RAMAJI SIVA
Course Name	Introduction to Linux Shell and Shell Scripting				

Module No	Contents	Dates	Timing	No. Of Hours
1	Understanding the Linux Shell: Purpose of Operating System, Introduction to Linux as a Popular Operating System, Different Types of Shells (e.g., Bash, Zsh, and Csh), Exploring Common Linux Commands (e.g., ls, cd, mkdir).	19/04/2021- 23/04/2021	04:00 PM to 04:50 PM	5
2	Getting Started with Shell Scripting: Purpose of Shell Scripting, Advantages and Use Cases of Shell Scripts. Understanding Script Files and Shebang (#!/bin/bash).	26/04/2021- 30/04/2021	04:00 PM to 04:50 PM	5
3	Control Structures and Flow Control in Shell Scripting: Introduction to if-else Statements Using Comparison Operators in Conditional Statements, Overview of for, while.	03/05/2021- 07/05/2021	04:00 PM to 04:50 PM	5
4	Input and Output Handling in Shell Scripting: Using read Command to Capture User Input Validating Input and Handling User Prompts.	10/05/2021- 14/05/2021	04:00 PM to 04:50 PM	5
5	Working with Files and Directories: Creating, Reading, Writing, and Deleting Files Modifying File Permissions and Ownership.	17/05/2021- 21/05/2021	04:00 PM to 04:50 PM	5
6	Advanced Shell Scripting Techniques: Defining and Calling Functions in Shell Scripts Passing Arguments to Functions and Returning Values.	24/05/2021- 28/05/2021	04:00 PM to 04:50 PM	5
7	Text Processing and Manipulation: Introduction to grep, sed, and awk Performing Search, Replace, and Text Extraction Operations.	21/06/2021- 25/06/2021	04:00 PM to 04:50 PM	5
8	Practical Applications of Shell Scripting: Automating System Maintenance and Management Tasks Writing Backup Scripts and System Monitoring Tools.	28/06/2021- 03/07/2021	04:00 PM to 04:50 PM	5


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ADD ON COURSE SCHEDULE

Degree	:	B.TECH	Branch	:	CSE-A
Academic Year	:	2020-2021	Year /Semester	:	IV / I
Course duration	:	45 Hours	Name of the Faculty	:	V SANDEEP KUMAR REDY
Course Name	Data Science with AI & ML				

Module No	Contents	Dates	Timing	No. of Hours
1.	Introduction: Data Science, Artificial Intelligence, Machine Learning, Data Collection and Acquisition.	09/11/2020-13/11/2020	04:00 PM to 04:50 PM	5
2.	Foundations of Data Science: Data Pre-processing and Cleaning, Exploratory Data Analysis (EDA), Statistical Analysis and Inference, Data Visualization Techniques	16/11/2020-20/11/2020	04:00 PM to 04:50 PM	5
3.	Principles of Artificial Intelligence: Core Concepts: Agents, Environments, and Goals, Problem-Solving and Search Algorithms.	23/11/2020-27/11/2020	04:00 PM to 04:50 PM	5
4.	Fundamentals of Machine Learning: Types of Machine Learning: Supervised, Unsupervised, Semi-Supervised, Reinforcement Learning Key Concepts: Features, Labels.	30/11/2020-04/12/2020	04:00 PM to 04:50 PM	5
5.	Applications of Data Science, AI, and ML: Predictive Analytics and Forecasting, Natural Language Processing (NLP) and Text Mining Computer Vision and Image Recognition.	07/12/2020-11/12/2020	04:00 PM to 04:50 PM	5
6.	Tools and Technologies: Programming Languages Python, R, Julia, Data Processing and Analysis Libraries: NumPy, Pandas, SciPy.	28/12/2020-01/01/2021	04:00 PM to 04:50 PM	5
7.	Challenges and Limitations: Data Quality and Bias, Model Interpretability and Ethical Considerations, Scalability and Performance.	04/01/2021-08/01/2021	04:00 PM to 04:50 PM	5
8.	Emerging Trends: Privacy and Security Concerns, Talent Shortage and Skill Gap, Deep Learning and Neural Architecture Search (NAS).	18/01/2021-22/01/2021	04:00 PM to 04:50 PM	5
9.	AI Ethics and Responsible AI Practices, Quantum Machine Learning, Automated Machine Learning (AutoML).	25/01/2021-30/01/2021	04:00 PM to 04:50 PM	5

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ADD ON COURSE SCHEDULE

Degree	:	B.TECH	Branch	:	ECE A
Academic Year	:	2020-21	Year /Semester	:	IV / I
Course duration	:	45 Hours	Name of the Faculty	:	Dr. S SIDDESWARA REDDY
Course Name	EMBEDDED SYSTEMS AND AURDINO PROGRAMMING				

Module No	Contents	Dates	Timing	No. of Hours
1.	Introduction to Embedded Systems: Definition and characteristics of embedded systems Applications and examples of embedded systems. Overview of the embedded systems development process. Microcontrollers and Microprocessors: Introduction to microcontrollers and microprocessors. Architecture and features of common microcontroller families. Overview of popular microcontroller development platforms.	09/11/2020- 13/11/2020	04:00 PM to 04:50 PM	5
2.	Arduino Platform Overview: Introduction to Arduino boards and components. Overview of the Arduino IDE (Integrated Development Environment). Writing and uploading a simple Arduino sketch.	16/11/2020- 20/11/2020	04:00 PM to 04:50 PM	5
3.	Arduino Programming Basics: Programming syntax in the Arduino language. Variables, data types and operators Control structures: loops and conditional statements.	23/11/2020- 27/11/2020	04:00 PM to 04:50 PM	5
4.	Input/Output Interfacing: Digital and Analog input/output. Interfacing sensors and actuators with Arduino. Communication protocols (I2C, SPI, UART) with Arduino.	30/11/2020- 04/12/2020	04:00 PM to 04:50 PM	5
5.	Interrupts and Timers: Understanding interrupts in microcontrollers Timer concepts and applications. Handling interrupts in Arduino programming	07/12/2020- 11/12/2020	04:00 PM to 04:50 PM	5
6.	Communication Protocols: Serial communication with Arduino	28/12/2020-	04:00 PM	5



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	I2C and SPI communication protocols. Wireless communication with modules like Bluetooth and Wi-Fi	01/01/2021	to 04:50 PM	
7.	Advanced Arduino Programming: Advanced data structures and functions Using libraries in Arduino programming Multitasking and concurrent programming	04/01/2021- 08/01/2021	04:00 PM to 04:50 PM	5
8.	Real-time Operating Systems (RTOS) in Embedded Systems: Basics of RTOS. Implementing simple RTOS concepts with Arduino. Task scheduling and synchronization.	18/01/2021- 22/01/2021	04:00 PM to 04:50 PM	5
9.	Project Development: Developing embedded systems projects with Arduino. Integrating sensors, actuators and communication modules. Troubleshooting and debugging in Arduino projects.	25/01/2021- 30/01/2021	04:00 PM to 04:50 PM	5


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ADD ON COURSE SCHEDULE

Degree	:	B.TECH	Branch	:	EEE
Academic Year	:	2020-2021	Year /Semester	:	III/II
Course duration	:	40 Hours	Name of the Faculty	:	Sri. M. Phanindra Kumar Reddy
Course Name	Cyber-Physical Systems				

Module No	Contents	Dates	Timing	No. of Hours
1.	Introduction to Cyber-Physical Systems: Definition and characteristics of Cyber - Physical Systems - Historical development and evolution of CPS - Applications and impact of CPS on various industries.	19/04/2021 To 23/04/2021	04:00 PM to 05:00 PM	5
2.	Fundamentals of Control Systems: Introduction to control systems - Modelling of physical systems - Feedback control and stability - PID controllers and other control strategies.	26/04/2021 To 30/04/2021	04:00 PM to 05:00 PM	5
3.	Embedded Systems and Real-time Operating Systems: Basics of embedded systems - Real-time constraints in CPS - Introduction to real-time operating systems (RTOS) - Case studies of embedded systems in CPS.	03/05/2021 To 07/05/2021	04:00 PM to 05:00 PM	5
4.	Communication Protocols for CPS: Wired and wireless communication in CPS - IoT protocols (MQTT, CoAP, etc.) - Network security for CPS - Case studies of communication protocols in CPS.	10/05/2021 To 14/05/2021	04:00 PM to 05:00 PM	5
5.	Sensor Networks and Actuator Systems: Sensor types and characteristics - Sensor fusion techniques - Actuator systems in CPS - Integration of sensors and actuators in a CPS.	17/05/2021 To 21/05/2021	04:00 PM to 05:00 PM	5



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6.	Modelling and Simulation of CPS: Mathematical modelling of CPS components - Simulation tools for CPS (e.g., Simulink, NS-3) - Case studies in CPS simulation.	24/05/2021 To 28/05/2021	04:00 PM to 05:00 PM	5
7.	Cyber security in CPS: Threats and vulnerabilities in CPS - Security measures for CPS - Case studies of cyber security in CPS.	21/06/2021 To 25/06/2021	04:00 PM to 05:00 PM	5
8.	Case Studies and Projects: Analysis of real-world CPS applications - Group projects on designing and implementing a CPS - Presentation of projects and lessons learned.	28/06/2021 To 02/07/2021	04:00 PM to 05:00 PM	5


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Degree	:	B.TECH	Branch	:	CSE-A
Academic Year	:	2020-2021	Year /Semester	:	I/I
Course duration	:	40 Hours	Name of the Faculty	:	NETLA RAJA SEKHAR REDDY
Course Name	Developing Soft Skills and Personality				

Module No	Contents	Dates	Timing	No. Of Hours
1.	Introduction: A New Approach to Learning-Planning and Goal-Setting-Aiming for Excellence: Developing Potential and Self-Actualisation. Need Achievement and Spiritual Intelligence	08-02-2021 to 12-02-2021	04:00 PM to 04:50 PM	5
2.	Conflict Resolution Skills: Seeking Win-Win Solution-Inter-Personal Conflicts: Two Examples. Types of Conflicts: Becoming A Conflict Resolution Expert -Types of Stress: Self-Awareness About Stress -Regulating Stress: Making the Best Out of Stress	15-02-2021 to 19-02-2021	04:00 PM to 04:50 PM	5
3.	Habits: Guiding Principles- Habits: Identifying Good and Bad Habits - Habits: Habit Cycle- Breaking Bad Habits- Using the Zeigarnik Effect for Productivity and Personal Growth - Forming Habits of Success	22-02-2021 to 26-02-2021	04:00 PM to 04:50 PM	5
4.	Communication: Significance of -Listening Communication: Active -Communication: Barriers to Active Listening -Telephone Communication: Basic Telephone Skills - Telephone Communication: Advanced Telephone Skills - Telephone Communication: Essential Telephone Skills	01-03-2021 to 05-03-2021	04:00 PM to 04:50 PM	5
5.	Technology and Communication: Technological Personality-Technology and Communication: Mobile Personality?- Topic: Technology And Communication: E- Mail Principles- Technology and	05-04-2021 to 09-04-2021	04:00 PM to 04:50 PM	5



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	Communication: How Not to Send E-Mails!- Technology And Communication: Netiquette Technology and Communication: E-Mail Etiquette			
6.	Communication Skills: Effective Communication:- Barriers to Communication: Arising Out of Sender/Receiver's Personality- Barriers to Communication: Interpersonal Transactions- Barriers to Communication: Miscommunication- Non-Verbal Communication: Pre-Thinking Assessment-1-Non-Verbal Communication: Pre-Thinking Assessment-2	12-04-2021 to 16-04-2021	04:00 PM to 04:50 PM	5
7.	Nonverbal Communication: Introduction and Importance-Non-Verbal Communication: Issues and Types-Non-Verbal Communication: Basics and Universals- Non-Verbal Communication: Interpreting Non-Verbal Cues-Body Language: For Interviews- Body Language: For Group Discussions	19-04-2021 to 23-04-2021	04:00 PM to 04:50 PM	5
8.	Presentation Skills: Overcoming Fear- Presentation Skills: Becoming A Professional- Presentation Skills: The Role of Body Language- Presentation Skills: Using Visuals- Reading Skills: Effective Reading:- Human Relations: Developing Trust and Integrity.	26-04-2021 to 30-04-2021	04:00 PM to 04:50 PM	5


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2019-20



ADD ON COURSE SCHEDULE

Degree	:	B. TECH	Branch	:	CSE-A
Academic Year	:	2019-20	Year /Semester	:	II / I
Course duration	:	45 Hours	Name of the Faculty	:	VANKAM MANOHAR
Course Name	Automating Real-World Tasks with Python				

Module No	Contents	Dates	Timing	No. Of Hours
1	Introduction to Automation: Understanding the concept of automation, Benefits of automation in various domains.	15/07/2019 - 20/07/2019	04:00 PM to 5:00 PM	5
2	File Manipulation with Python: Reading and writing files, Working with directories, Automating file operations.	22/07/2019- 27/07/2019	04:00 PM to 5:00 PM	5
3	Data processing: Analyse and manipulate large datasets, clean and format data, perform calculations, statistical analysis.	29/07/2019- 03/08/2019	04:00 PM to 5:00 PM	5
4	Email automation: Sending emails programmatically using smtplib, Creating automated email templates, process incoming emails, Handling email attachments	05/08/2019- 10/08/2019	04:00 PM to 5:00 PM	5
5	Task scheduling and API's: Schedule recurring tasks-backups, data updates, Automating tasks with shed and cron, Interacting with APIs for data retrieval and manipulation.	12/08/2019- 17/08/2019	04:00 PM to 5:00 PM	5
6	GUI automation: Introduction to GUI automation, Interact with GUI applications, filling out forms, clicking buttons.	19/08/2019- 24/08/2019	04:00 PM to 5:00 PM	5
7	Text processing: Parse text documents, extract relevant information, Error Handling and Logging, Handling errors in automation scripts.	26/08/2019- 31/08/2019	04:00 PM to 5:00 PM	5
8	Automating System Administration Tasks: Introduction to system administration automation, Managing files and directories, Automating software installations and updates.	16/09/2019- 21/09/2019	04:00 PM to 5:00 PM	5
9	Database operations: Connect to databases, query data, Update records, perform database maintenance tasks.	23/09/2019- 28/09/2019	04:00 PM to 5:00 PM	5



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Degree	:	B.TECH	Branch	:	CSE-A
Academic Year	:	2019-20	Year /Semester	:	III /I
Course duration	:	40 Hours	Name of the Faculty	:	KATARI BALAKRISHNA
Course Name	Hands on Training on Introduction to R				

Module No	Contents	Dates	Timing	No. Of Hours
1	Introduction to R: Overview of R programming language, History and development, Importance and applications, Setting up R and RStudio.	15/07/2019 - 20/07/2019	04:00 PM to 5:00 PM	5
2	Basic Syntax and Data Types: R syntax fundamentals, Variables and assignments. Basic data types: numeric, character, logical, Vector operations.	22/07/2019- 27/07/2019	04:00 PM to 5:00 PM	5
3	Data Structures: Introduction to data structures in R, Vectors, matrices, arrays, Factors, Lists and data frames	29/07/2019- 03/08/2019	04:00 PM to 5:00 PM	5
4	Working with Data: Importing and exporting data, Data manipulation with dplyr package, Data cleaning and transformation.	05/08/2019- 10/08/2019	04:00 PM to 5:00 PM	5
5	Data Visualization: Introduction to ggplot2 for data visualization, Basic plotting functions, Customizing plots, Creating plots.	12/08/2019- 17/08/2019	04:00 PM to 5:00 PM	5
6	Statistical Analysis with R: Introduction to statistical analysis in R, Descriptive statistics, Inferential statistics, Hypothesis testing and p-values, Linear regression and correlation analysis	19/08/2019- 24/08/2019	04:00 PM to 5:00 PM	5
7	R Markdown and Reporting: Introduction to R Markdown, Creating reports and documents, Integrating R code and output, Generating HTML, PDF, and Word documents.	26/08/2019- 31/08/2019	04:00 PM to 5:00 PM	5
8	Machine Learning with R: Overview of machine learning concepts, Introduction to machine learning algorithms available in R, Model training, Evaluation of 'R'.	16/09/2019- 20/09/2019	04:00 PM to 5:00 PM	5


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Degree	:	B.TECH	Branch	:	ECE-A
Academic Year	:	2019-20	Year /Semester	:	IV /I
Course duration	:	40 Hours	Name of the Faculty	:	K S MOHAMMED MUSA MOHINUDDIN
Course Name	Data Visualization and Communication with Tableau				

Module No	Contents	Dates	Timing	No. Of Hours
1	Introduction to Data Visualization: Importance of data visualization Principles of effective visualization Overview of popular visualization tools Introduction to Tableau: Understanding the Tableau interface Connecting to data sources Basics of creating visualizations in Tableau.	15/07/2019 - 20/07/2019	04:00 PM to 5:00 PM	5
2	Data Preparation in Tableau: Cleaning and transforming data for visualization, Working with different types of data sources, Joins and unions in Tableau, Basic Visualization Types: Creating bar charts, line charts, and scatter plots Using maps and geographic data in Tableau, Pie charts and other basic visualizations.	22/07/2019- 27/07/2019	04:00 PM to 5:00 PM	5
3	Advanced Visualization Techniques: Dual-axis charts, Trend lines and forecasting, Reference lines and bands, Dashboards and Stories: Designing interactive dashboards, Creating stories to communicate insights, Dashboard best practices.	29/07/2019- 03/08/2019	04:00 PM to 5:00 PM	5
4	Tableau Calculations and Expressions: Working with calculated fields, Using table calculations, Understanding level of detail (LOD) expressions.	05/08/2019- 10/08/2019	04:00 PM to 5:00 PM	5
5	Data Blending and Data Relationships: Combining data from different sources, Defining relationships between data sets, Handling data blending challenges.	12/08/2019- 17/08/2019	04:00 PM to 5:00 PM	5
6	Advanced Data Connections: Connecting to databases and big data sources, Live vs. Extract connections, Data source filters.	19/08/2019- 24/08/2019	04:00 PM to 5:00 PM	5
7	Sharing and Publishing: Exporting visualizations, Creating Tableau Public dashboards, Tableau Server and Tableau Online.	26/08/2019- 31/08/2019	04:00 PM to 5:00 PM	5
8	Best Practices in Data Visualization: Ethical considerations in visualization, Accessibility in visualization design.	16/09/2019- 21/09/2019	04:00 PM to 5:00 PM	5



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Degree	:	B.TECH	Branch	:	EEE-A
Academic Year	:	2019-20	Year /Semester	:	IV /I
Course duration	:	40 Hours	Name of the Faculty	:	S Ahmed Hussain
Course Name	Introduction to Smart Grid				

Module No	Contents	Dates	Timing	No. Of Hours
1	Introduction to power systems and their components Basics of electricity generation, transmission, and distribution	15/07/2019 to 20/07/2019	04:00 PM to 5:00 PM	5
2	Historical development of power grids Challenges and limitations of traditional power grids	22/07/2019 to 27/07/2019	04:00 PM to 5:00 PM	5
3	Introduction to the concept of smart grids Drivers for smart grid development (e.g., renewable energy integration, demand response, aging infrastructure)	29/07/2019 to 03/08/2019	04:00 PM to 5:00 PM	5
4	Benefits of smart grids: improved efficiency, reliability, and sustainability	05/08/2019 to 10/08/2019	04:00 PM to 5:00 PM	5
5	Advanced Metering Infrastructure (AMI) and smart meters Distribution Automation (DA) and sensors	12/08/2019 to 17/08/2019	04:00 PM to 5:00 PM	5
6	Wide Area Measurement Systems (WAMS) Communication networks and protocols	19/08/2019 to 24/08/2019	04:00 PM to 5:00 PM	5
7	SCADA (Supervisory Control and Data Acquisition) systems Demand response and load management	26/08/2019 to 31/08/2019	04:00 PM to 5:00 PM	5
8	Smart grid analytics and decision systems	16/09/2019 to 21/09/2019	04:00 PM to 5:00 PM	5


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Degree	:	B.TECH	Branch	:	ECE-A
Academic Year	:	2019-20	Year /Semester	:	III /II
Course duration	:	40 Hours	Name of the Faculty	:	K. Sreenatha reddy
Course Name	Electric Circuit Design using MATLAB				

Module No	Contents	Dates	Timing	No. Of Hours
1	Introduction to MATLAB: Basics of MATLAB programming Command line and script writing Introduction to MATLAB GUI	27/01/2020 to 01/02/2020	04:00 PM to 5:00 PM	6
2	Fundamentals of Electric Circuits: Voltage, current, and resistance Ohm's Law and Kirchhoff's Laws Series and parallel circuits	03/02/2020 to 07/02/2020	04:00 PM to 5:00 PM	5
3	MATLAB for Circuit Analysis: Symbolic mathematics in MATLAB Using MATLAB for solving linear algebraic equations MATLAB functions for circuit analysis	10/02/2020 to 15/02/2020	04:00 PM to 5:00 PM	6
4	Transient Analysis: Introduction to transient analysis Solving first-order and second-order circuits in MATLAB Time-domain analysis of circuits	17/02/2020 to 22/02/2020	04:00 PM to 5:00 PM	5
5	Frequency Domain Analysis: Laplace transforms in MATLAB Frequency response analysis Bode plots and Nyquist plots	24/02/2020 to 28/02/2020	04:00 PM to 5:00 PM	5
6	AC Circuit Analysis: Phasor representation in MATLAB AC circuit analysis using complex numbers Power analysis in AC circuits	02/03/2020 to 06/03/2020	04:00 PM to 5:00 PM	5
7	MATLAB Simulink for Circuit Simulation: Introduction to Simulink Building and simulating circuits in Simulink Parameter sweep and sensitivity analysis	16/03/2020 to 19/03/2020	04:00 PM to 5:00 PM	4
8	Filter Design and Analysis: Designing filters using MATLAB Frequency response and transient analysis of filters Butterworth, Chebyshev, and other filter types	15/06/2020 to 18/06/2020	04:00 PM to 5:00 PM	4



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Degree	:	B.TECH	Branch	:	CSE-A
Academic Year	:	2018-2019	Year /Semester	:	II / I
Course duration	:	45 Hours	Name of the Faculty	:	VANKAM MANOHAR
Course Name	Programming in JAVA				

Module No	Contents	Dates	Timing	No. of Hours
1.	Introduction to Java: Overview of Java programming language, Setting up Java Development Environment (JDK, IDE), Writing and running your first Java program, Basic syntax and structure of Java programs, Understanding data types, variables, and constants	16/07/2018 – 21/07/2018	04:00 PM to 05:00 PM	5
2.	Object-Oriented Programming (OOP) Basics: Introduction to Object-Oriented Programming concepts, Classes and objects, Constructors and methods, Access modifiers (public, private, protected), Encapsulation and data hiding	23/07/2018 – 28/07/2018	04:00 PM to 05:00 PM	5
3.	More OOP Concepts: Inheritance and polymorphism, Method overriding and overloading, Abstract classes and interfaces, Packages and importing classes, Object references and memory management.	30/07/2018 – 04/08/2018	04:00 PM to 05:00 PM	5
4.	Methods: Defining and calling methods, Method parameters and return types, Method overloading, Passing arrays to methods	06/08/2018 - 04/08/2018	04:00 PM to 05:00 PM	5
5.	More on Classes and Objects: Instance variables and methods, Access modifiers (public, private, protected), Static variables and methods, Understanding "this" keyword	13/08/2018 – 18/08/2018	04:00 PM to 05:00 PM	5
6.	Inheritance: Extending classes, Overriding methods, Access modifiers in inheritance, Super keyword	20/08/2018 – 25/08/2018	04:00 PM to 05:00 PM	5
7.	Polymorphism: Understanding polymorphism, Method overriding, Method overloading, Dynamic method dispatch.	27/08/2018 – 01/09/2018	04:00 PM to 05:00 PM	5
8.	Introduction to Java Collections Framework: Overview of collections, Array List, Linked List, Hash Set, Hash Map, Iterators	17/09/2018 – 22/09/2018	04:00 PM to 05:00 PM	5
9.	Spring Framework: Framework for building enterprise Java applications, providing support for dependency injection	24/09/2018 - 29/09/2018	04:00 PM to 05:00 PM	5



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Degree	:	B.TECH	Branch	:	CSE
Academic Year	:	2018-2019	Year /Semester	:	IV / I
Course duration	:	45 Hours	Name of the Faculty	:	PAGIDALA RANGA JYOTHI
Course Name	Ethical Hacking				

Module No	Contents	Dates	Timing	No. of Hours
1.	Introduction to Ethical Hacking: Understanding the role of ethical hackers, Differentiating between ethical hacking and malicious hacking.	16/07/2018 - 21/07/2018	04:00 PM to 04:50 PM	5
2.	Networking Fundamentals: TCP/IP protocols, OSI model, Basics of routing and switching.	23/07/2018 - 28/07/2018	04:00 PM to 04:50 PM	5
3.	Information Gathering and Reconnaissance: Passive and active reconnaissance techniques, Foot printing, Scanning networks.	30/07/2018 - 04/08/2018	04:00 PM to 04:50 PM	5
4.	Vulnerability Assessment: Identifying vulnerabilities in systems and networks, Vulnerability scanning tools.	06/08/2018 - 04/08/2018	04:00 PM to 04:50 PM	5
5.	System Hacking: Password cracking techniques, escalating privileges, Exploiting vulnerabilities in operating systems.	13/08/2018- 18/08/2018	04:00 PM to 04:50 PM	5
6.	Malware Threats: Types of malware (viruses, worms, Trojans, etc.), Analysing malware, Anti-malware techniques.	20/08/2018 - 25/08/2018	04:00 PM to 04:50 PM	5
7.	Web Application Security: Common web application vulnerabilities (SQL injection, XSS, CSRF, etc.), Web application scanning tools, Secure coding practices.	27/08/2018 - 01/09/2018	04:00 PM to 04:50 PM	5
8.	Wireless Network Security: Wireless security protocols (WEP, WPA, WPA2, etc.), Wireless hacking techniques (SSID spoofing, rogue access points, etc.), Securing wireless networks.	17/09/2018 - 22/09/2018	04:00 PM to 04:50 PM	5
9.	Cryptography: Basics of cryptography, Encryption algorithms (symmetric and asymmetric), Cryptographic attacks.	24/09/2018 - 29/09/2018	04:00 PM to 04:50 PM	5



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Degree	:	B.TECH	Branch	:	ECE-A
Academic Year	:	2018-2019	Year /Semester	:	III / I
Course duration	:	45 Hours	Name of the Faculty	:	Durolla Nagaraju
Course Name	Embedded and IOT				

Module No	Contents	Dates	Timing	No. of Hours
1.	Introduction to Embedded Systems: Definition and characteristics of embedded systems Applications of embedded systems Embedded system components Microcontrollers and Microprocessors: Architecture and working principles Memory organization Input/output interfacing	16/07/2018 - 21/07/2018	04:00 PM to 05:00 PM	5
2.	Embedded Programming: C and C++ programming for embedded systems Assembly language programming Real-time operating systems (RTOS)	23/07/2018 - 28/07/2018	04:00 PM to 05:00 PM	5
3.	Embedded System Design: System specification and design Hardware/software co-design Design methodologies	30/07/2018 - 04/08/2018	04:00 PM to 05:00 PM	5
4.	Sensors and Actuators: Types of sensors and actuators Interface circuits and protocols Signal conditioning	06/08/2018 - 11/08/2018	04:00 PM to 05:00 PM	5
5.	Communication Protocols: Serial communication (UART, SPI, I2C) Wireless communication (Wi-Fi, Bluetooth, Zigbee) Networking protocols for IoT	13/08/2018- 18/08/2018	04:00 PM to 05:00 PM	5
6.	Internet of Things (IoT): Introduction to IoT architecture Cloud computing for IoT Security considerations in IoT	20/08/2018 - 25/08/2018	04:00 PM to 05:00 PM	5
7.	Embedded Systems Development Tools: Integrated Development Environments (IDEs) Debugging tools Emulators and simulators	27/08/2018 - 01/09/2018	04:00 PM to 05:00 PM	5
8.	Real-time Operating Systems (RTOS): Characteristics of RTOS Task scheduling and synchronization Interrupt handling in RTOS	17/09/2018 - 22/09/2018	04:00 PM to 05:00 PM	5
9.	Embedded System Testing and Debugging: Testing methodologies Debugging techniques Performance optimization	24/09/2018 - 29/09/2018	04:00 PM to 05:00 PM	5



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Degree	:	B.TECH	Branch	:	ECE-A
Academic Year	:	2018-2019	Year /Semester	:	IV / I
Course duration	:	45 Hours	Name of the Faculty	:	P M Naseer Hussain
Course Name	VLSI Design using FPGA				

Module No	Contents	Dates	Timing	No. Of Hours
1	Introduction to VLSI Design: Overview of VLSI technology Semiconductor basics Design flow in VLSI FPGA Basics: Introduction to FPGAs and their architecture Configurable logic blocks (CLBs) and interconnects Input/output blocks (IOBs) Hardware Description Languages (HDLs): Introduction to HDLs (Verilog or VHDL) Writing and simulating basic Verilog/VHDL code Synthesis and optimization	16/07/2018 - 21/07/2018	04:00 PM to 05:00 PM	5
2	FPGA Design Flow: High-level synthesis Logic synthesis Place and route Bit stream generation	23/07/2018 - 28/07/2018	04:00 PM to 05:00 PM	5
3	FPGA Implementation Techniques: Combinational and sequential logic design Finite State Machines (FSMs) Clock domain crossing and synchronization	30/07/2018 - 04/08/2018	04:00 PM to 05:00 PM	5
4	FPGA Timing Analysis: Setup and hold time analysis Clock-to-Q delay Critical path analysis	06/08/2018 - 04/08/2018	04:00 PM to 05:00 PM	5
5	FPGA Testing and Debugging: Simulation and testing strategies Debugging tools and techniques Hardware debugging using on-chip logic analyser	13/08/2018- 18/08/2018	04:00 PM to 05:00 PM	5
6	Advanced FPGA Features: DSP (Digital Signal Processing) blocks Block RAM and distributed RAM FPGA configuration modes	20/08/2018 - 25/08/2018	04:00 PM to 05:00 PM	5
7	IP Cores and System-on-Chip (SoC): Integration of IP cores Introduction to SoC design FPGA-based embedded systems	27/08/2018 - 01/09/2018	04:00 PM to 05:00 PM	5
8	Parallel Processing and Pipelining: Parallel computing concepts Pipelining in FPGA design Multi-core architectures	17/09/2018 - 22/09/2018	04:00 PM to 05:00 PM	5
9	High-Level Synthesis (HLS): Overview of HLSC-to-RTL synthesis Trade-offs and considerations	24/09/2018 - 29/09/2018	04:00 PM to 05:00 PM	5

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Degree	:	B.TECH	Branch	:	EEE
Academic Year	:	2018-2019	Year /Semester	:	I/II
Course duration	:	40 Hours	Name of the Faculty	:	Mr. G. OBULESU
Course Name	Enhancing Soft Skills and Personality				

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Module No	Contents	Dates	Timing	No. of Hours
1.	Highlights of Developing Soft Skills and Personality Course-Highlights of Developing Soft Skills and Personality Course Definitions and Types of Mindset Learning Mindsets Secrets of Developing Growth Mind sets	07/01/2019– 12/01/2019	04:00 PM to 05:00 PM	5
2.	Importance of Time and Understanding Perceptions of Time Using Time Efficiently Understanding Procrastination Overcoming Procrastination Don't Say "Yes" to Make Others Happy!	21/01/2019- 26/01/2019	04:00 PM to 05:00 PM	5
3.	Types of People How to Say "No" Controlling Anger Gaining Power from Positive Thinking-Gaining Power from Positive Thinking	28/01/2019 – 02/02/2019	04:00 PM to 05:00 PM	5
4.	What Makes Others Dislike You. What Makes Others Like You. What Makes Others Like You. Being Attractive Being Attractive	04/02/2019- 09/02/2019	04:00 PM to 05:00 PM	5
5.	Common Errors, Humour in Communication	11/02/2019- 16/02/2019	04:00 PM to 05:00 PM	5
6.	Humour in the Work place Function of Humour in the Work place Money and Personality Managing Money	18/02/2019- 23/02/2019	04:00 PM to 05:00 PM	5
7.	Health and Personality Managing Importance of Exercise Managing Health Diet and Sleep Love and Personality Managing Love	11/03/2019- 16/03/2019	04:00 PM to 05:00 PM	5
8.	Ethics and Etiquette Business Etiquette Managing Mind and Memory Improving Memory Care for Environment Highlights of the Course	25/03/2019- 30/03/2019	04:00 PM to 05:00 PM	5