ACADAMIC YEAR 2018-2019

S.NO	NAME OF THE PROGRAM	DEPARTMENT	YEAR	NO. OF STUDENTS	DESCRIPTION
1	SOLAR PV POWER SYSTEM DESIGN	EEE	II, III, IV	98	The syllabus prescribed for this course is not related to the regular curriculum of Anna University. This course focuses on advanced design systems in solar PV and includes extensive training based on industry 4.0 requirements.
2	PRINTED CIRCUIT BOARD(PCB) DESIGNING	ECE	II, III, IV	210	This course is offered to students and is not part of the Anna University curriculum. The syllabus emphasizes practical-oriented analysis in PCB design, covering topics such as auto-router setup, IPC standard design, PCB prototyping with CNC machines, screen printing processes, automated optical inspection, PCB testing, and PCB development for various applications.
3	MODERN TECHNOLOGY IN AI	IT & CSE	II, III, IV	275	The syllabus provided for this course is entirely distinct from the regular curriculum of Anna University. This course covers the latest advancements in AI technology through the following modules: advanced robotics, advanced security in smartphones and IoT systems, mathematics for machine learning, quantum computing, reinforcement learning, scalable systems for the cloud, and machine learning projects in Industry 4.0.
4	CREO PARAMETRIC PRODUCT DESIGN	MECH	II, III, IV	232	We have provided advanced, industry-oriented projects in the CREO Parametric product design course, which are not included in the university's curriculum.

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ACADAMIC YEAR 2019-2020

S.NO	NAME OF THE PROGRAM	DEPARTMENT	YEAR	NO. OF STUDENTS	DESCRIPTION
1	INDUSTRIAL GRAPHICAL DESIGNS FOR PROFESSIONALS	MECH	III	125	This course is offered to students to enhance their design skills. The syllabus provided here is entirely different from the regular curriculum. Students have practiced industrial design for unique components.
2	MACHINE LEARNING & REGRESSION ANALYSIS WITH PYTHON	CIVIL, CSE, EEE, ECE, IT, MECH	I	314	This course is offered to all first year students to provide technical knowledge in the field of machine learning. The outcomes targeted by this course is totally different from the Anna university syllabus. Deep learning is emphasizes in the following area: data science & AI, machine learning, regression, problem analysis, salary prediction, clustering techniques.
3	INTRODUCTION OF INDUSTRIAL IOT	IT	II, III	275	Various IOT based projects have been assigned in the course to help students acquire knowledge in industrial applications. The syllabus prescribed for this courses goes beyond the Anna University curriculum.
4	INTRODUCTION OF ADVANCED NETWORK TECHNOLOGY	ECE, CSE	II, III	226	The primary focus on this course is to enhance knowledge in network technology. It covers more advanced techniques than the regular Anna University curriculum. The course includes the following topics: basic Cisco IOS command, initial router configuration, monitoring and verifying selected access list operation on the router, troubleshooting basic network problems.

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ACADAMIC YEAR 2020-2021

S.NO	NAME OF THE PROGRAM	DEPARTMENT	YEAR	NO. OF STUDENTS	DESCRIPTION
1	COMPUTER NETWORKING - AN INDUSTRY PERSPECTIVE	CSE	II, III	85	This course provides students with a comprehensive understanding of computer networking from an industry-oriented perspective. Designed to bridge the gap between theoretical knowledge and practical application, the course introduces advanced concepts, techniques, and tools used by networking professionals. It is intended to equip students with the skills required to excel in the fast-evolving field of networking technology, This course is delivered beyond the scope of the university curriculum.
2	MACHINE LEARNING AND IRS APPLICATION IN BUSINESS DEVELOPMENT	IT	II,III,IV	133	This course is offered to students and is not part of the Anna University curriculum.This course provides an in-depth exploration of machine learning concepts and their applications in business development, with a particular focus on Intelligent Recommendation Systems (IRS). The students have trained for various business scenaries such as customer segmentation, predictive analytics and operational forecasting.students will be equipped with the skills to build machine learning models that drive business growth, enhance customer experience, and improve decision-making across various industries.
3	BALANCING OF ROTATING AND RECIPROCATING MASSES	MECH	III, IV	165	This course provides a comprehensive study of the principles and techniques involved in balancing rotating and reciprocating masses, a crucial topic in mechanical and automotive engineering. This course aims to equip students with the skills to analyze and solve balance-related issues in various mechanical applications.This course emphasizes real-world applications and equips students to make significant contributions in industries that rely on well-balanced, efficient, and stable machinery.

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4	IMPACT OF IOT IN CNC MACHINES FOR INDUSTRIAL APPLICATIONS	EEE	II,III,IV	87	This course is offered to students and is not part of the Anna University curriculum. This course explores the transformative role of the Internet of Things (IoT) in Computer Numerical Control (CNC) machines, focusing on its applications in modern industrial settings. This course combines theory with practical insights to equip students with the knowledge needed to implement IoT solutions in CNC machinery.
5	NEURAL NETWORK AND DEEP LEARNING USING MATLAB	ECE	II, III, IV	204	This course provides an in-depth introduction to neural networks and deep learning, using MATLAB as the primary tool for designing, training, and deploying models. Neural networks and deep learning techniques have revolutionized fields such as computer vision, natural language processing, and predictive analytics. This course is designed to help students and professionals gain hands-on experience in creating and applying neural network models using MATLAB, a powerful platform for numerical computing and data visualization. The students learned beyond the university curriculum.

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ACADAMIC YEAR 2021-2022

S.NO	NAME OF THE PROGRAM	DEPARTMENT	YEAR	NO. OF STUDENTS	DESCRIPTION
1	MOBILE PHONE HARDWARE TROUBLESHOOTING	ECE	IV	137	The syllabus prescribed for this course is not related to the regular curriculum of Anna University. This course provides hands-on training and theoretical knowledge on mobile phone hardware troubleshooting and repair. It covers essential skills for diagnosing, repairing, and maintaining mobile devices, focusing on both common and advanced hardware issues. By the end of the course, students will have the confidence to identify and fix hardware malfunctions, replacing components as needed to restore functionality.
2	INTRODUCTION OF DEVOPS IN WEB SERVICES	ECE	II	81	This course is designed to introduce students to the foundational concepts of Devops with a focus on its application in web services. It covers the integration of development and operations practices to improve collaboration, increase deployment speed, and enhance the overall quality of web applications. Students will gain hands-on experience with Devops tools and techniques to automate the software development lifecycle, optimize deployment processes, and ensure the smooth operation of web services. The syllabus prescribed for this course is not related to the regular curriculum of Anna University.

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3	INTRODUCTION OF CISCO-CCNA TRAINING	CSE,EEE,IT	II	78	This course provides a comprehensive introduction to Cisco Certified Network Associate (CCNA) training. It is designed to equip students with fundamental networking knowledge and hands-on skills essential for configuring, managing, and troubleshooting Cisco network devices. The course covers the latest Cisco networking technologies and prepares students for the CCNA certification exam, which is highly valued in the IT industry for network-related job roles.
4	BIG DATA ANALYTICS IN BUSINESS PERSPECTIVE	CSE,IT	II	118	The syllabus prescribed for this course is not related to the regular curriculum of Anna University. This course provides a comprehensive introduction to the concepts, tools, and techniques of big data analytics from a business perspective. It focuses on how organizations can leverage big data to gain insights, optimize decision-making, and achieve strategic business goals. Through hands-on projects and case studies, students will learn how to use popular analytics tools and platforms to analyze large datasets, generate actionable insights, and drive data-driven business strategies.
5	DATABASE MANAGEMENT SYSTEM(NPTEL)	CSE,IT,ECE,MECH	IV	60	This is an NPTEL (National Program on Technology Enhanced Learning) course focuses mainly on advanced application development, case studies, file storage query optimization and transactions. NPTEL's main goal is to provide quality education to all parts of the country. The NPTEL certificates are very unique and it is provided to those who completed the course with assignments and tests.

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6	MACHINE LEARNING PACKAGES WITH PYTHON	CSE,IT	I	121	This course focuses on using Python for machine learning by exploring key packages and libraries commonly used in the industry. The course is designed to build foundational skills in implementing machine learning algorithms and models using these packages, with practical applications and projects to reinforce learning.
7	CLOUD COMPUTING (NPTEL)	CSE,IT,ECE,MECH	IV	45	This is an NPTEL (National Program on Technology Enhanced Learning) course focuses mainly on advanced in which the industrial processes are integrated with cloud Architecture,service management, data management and security. NPTEL's main goal is to provide quality education to all parts of the country. The NPTEL certificates are very unique and it is provided to those who completed the course with assignments and tests.
8	ENTREPRENEURSHIP TECHNOLOGY AND INNOVATION	IT	IV	52	This course explores the intersection of entrepreneurship, technology, and innovation, focusing on how technological advancements can be leveraged to create successful ventures. Students will learn how to identify business opportunities, develop innovative products or services, and strategically grow new ventures using cutting-edge technology. The course combines theoretical concepts with practical applications, equipping students with the skills to navigate the challenges of launching and managing tech-driven businesses. This course delivered beyond the university curriculum

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9	INTRODUCTION OF 3D MODELLING	MECH	III	79	This course provides a comprehensive introduction to the art and techniques of 3D modelling. It is designed to teach students how to create, manipulate, and render 3D models using industry-standard software like Blender, Autodesk Maya, or 3ds Max. Throughout the course, students will gain practical experience in developing 3D objects, characters, environments, and animations, with a focus on applications in video games, films, product design, and architecture.
10	ARTIFICIAL NEURAL NETWORK CONCEPTS	CSE	IV	38	This course provides an in-depth introduction to the fundamentals of Artificial Neural Networks (ANNs), a core aspect of machine learning and artificial intelligence. Students will explore how neural networks are designed, trained, and optimized to solve complex real-world problems, such as image recognition, natural language processing, and predictive analytics. Through hands-on exercises and projects, participants will gain practical experience using popular frameworks like TensorFlow and PyTorch
11	INTRODUCTION OF INTERNET OF THINGS	ECE	IV	46	This course offers a comprehensive introduction to the Internet of Things (IoT), exploring the fundamentals of IoT technology, its architecture, and its applications in various industries. Students will gain a practical understanding of how IoT devices communicate, gather data, and interact with the cloud. The course includes hands-on projects where students will learn how to connect sensors, microcontrollers, and cloud services to develop real-world IoT solutions.

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12	CONTROLLED BASED CHARGING STATION USING HYBRID IOT	ECE	III	68	This course explores the design and implementation of controlled charging stations for electric vehicles (EVs) using Hybrid Internet of Things (IoT) technologies. The focus will be on utilizing IoT devices, sensors, microcontrollers, and cloud platforms to create a smart, efficient, and scalable charging infrastructure. Students will learn how to design a system that optimizes energy usage, monitors charging status, ensures safety, and integrates renewable energy sources for sustainable charging solutions.
13	PROGRAMMING IN JAVA (NPTEL)	CSE	IV	21	The focus of NPTEL courses often includes theoretical knowledge along with practical, real-world applications, making them ideal for learners seeking to deepen their expertise in specific fields. These courses are designed to bridge the gap between academic learning and industry requirements. NPTEL's main goal is to provide quality education to all parts of the country. The NPTEL certificates are very unique and it is provided to those who completed the course with assignments and tests.

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ACADAMIC YEAR 2022-2023

S.NO	NAME OF THE PROGRAM	DEPARTMENT	YEAR	NO. OF STUDENTS	DESCRIPTION
1	INTRODUCTION TO COMPUTERS TRAINING (IIT BOMBAY)	AI&DS, IT,CSE	I	139	This is an IIT BOMBAY- SPOKEN TUTORIAL course which comes under the Government of India initiative to provide Massive Open Online Course (MOOC) Training. It is an easy self-learning Audio - Video method for students to acquire knowledge on many software courses. It is endorsed by AICTE & UGC and also comes under SWAYAM platform. Spoken Tutorial provides course material, online tests and provide e-certificates for various courses. Introduction to computers training course provides basic knowledge in computer hardware and software's, system configurations, peripheral devices, networks, safety and security systems. This course is entirely different from Anna university curriculum.
2	FRONT ACCOUNTING - 2.4.7 (IIT BOMBAY)	MBA	I, II	18	It is an IIT BOMBAY- SPOKEN TUTORIAL Massive Open Online Course (MOOC) given to MBA students to get the knowledge of accounting with relevant method. It also focuses on using the accounting software, banking and general ledger, sale and purchase in front accounting. This course is having contents beyond the regular curriculum.
3	QCAD TRAINING (IIT BOMBAY)	MECH	I, II	53	This is an IIT BOMBAY- SPOKEN TUTORIAL Massive Open Online Course (MOOC) training mainly given to Mechanical Engineering students. QCAD is a free, open source application for computer aided drafting (CAD) in two dimensions (2D). With QCAD training course the students can create technical drawings such as plans for buildings, interiors, mechanical parts or schematics and diagrams. This course outcome is different from university syllabus.

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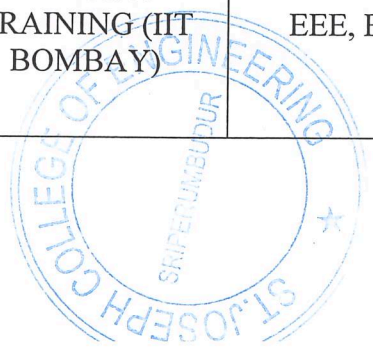
4	OPEN MODELICA TRAINING (IIT BOMBAY)	MECH	III, IV	61	This is an IIT BOMBAY- SPOKEN TUTORIAL Massive Open Online Course (MOOC) training given to Mechanical Engineering students. OpenModelica is an open source modelling and simulation environment intended for industrial and academic usage. It is an object oriented declarative multi domain modelling language for complex systems. This course focuses on modelling and simulation, subsystem and features of open Modelica.This course outcome is different from university syllabus.
5	ADVANCED CPP TRAINING (IIT BOMBAY)	IT, CSE	III, IV	106	This is an IIT BOMBAY- SPOKEN TUTORIAL Massive Open Online Course (MOOC) training given to IT and CSE students to enhance their programming skills. This course provides knowledge in developing complex C++ applications, static members, inheritance and exception handling. This course is entirely distinct from Anna university syllabus.
6	HTML TRAINING (IIT BOMBAY)	ECE, CSE, IT	I,II	123	It is an IIT BOMBAY- SPOKEN TUTORIAL Massive Open Online Course (MOOC) given to ECE, CSE and IT students to get the knowledge of understanding HTML and creating webpages. This course contains information about formatting tags, embedding images, audio and video block elements. The contents in the course is beyond the regular university curriculum.
7	MARBLE TRAINING (IIT BOMBAY)	CIVIL	IV	12	This IIT BOMBAY- SPOKEN TUTORIAL Massive Open Online Course (MOOC) training is given to Civil Engineering students to develop their software knowledge. This course focuses on installing the Marble version 1.12.20 in Ubuntu Linux OS 16.04 and in Windows 10 OS. This course is entirely distinct from Anna university syllabus.
8	ARDUINO TRAINING (IIT BOMBAY)	EEE, ECE	III, IV	114	This IIT BOMBAY- SPOKEN TUTORIAL Massive Open Online Course (MOOC) training is provided to EEE and ECE students to develop their software knowledge in microcontroller programming. This course is different from Anna university syllabus. It enables the students to build circuits to control LEDs and motors and explore how pseudo code can be used to structure programs from the start.



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9	IIT BOMBAY FOSSEE MAPATHON 2023 - GIS IN MEDICAL SERVICES (IIT BOMBAY)	CSE	III	2	Mapathon is a map making competition for creating thematic maps, using open source data and mapping software.The FOSSEE team at IIT Bombay, along with its partners will invite all Indians - to produce maps using various data. Our students has participate in the IIT BOMBAY FOSSEE MAPATHON 2023 in the field of GIS in Medical Services.
10	C TRAINING (IIT BOMBAY)	ECE,CSE	II, III	86	It is an IIT BOMBAY- SPOKEN TUTORIAL Massive Open Online Course (MOOC) given to ECE and CSE students to get the knowledge basic C language and creating applications. This course focuses on students to understand the code of the organization and functional hierarchical decomposition with using complex data types.The contents in the course is beyond the regular university curriculum.
11	INTRODUCTION TO INDUSTRIAL 4.0 AND INDUSTRIAL INTERNET OF THINGS (NPTEL)	CSE	IV	47	This is an NPTEL (National Program on Technology Enhanced Learning) course focuses mainly on Industry 4.0 in which the industrial processes are integrated with Cyber Physical Systems, IoT, Cloud computing and Data Analytics. NPTEL's main goal is to provide quality education to all parts of the country. The NPTEL certificates are very unique and it is provided to those who completed the course with assignments and tests.
12	HANDS ON TRAINING FOR CODING TOOL-PYTHON	IT & ECE	IV	120	This course is offered to students to enhance their creativity and is not part of the Anna University curriculum. The best way to learn Python is by using it. Working on real projects gives the opportunity to apply the concepts the students learned and gain hands-on experience. This course has started with simple projects that reinforce the basics, and gradually take on more complex ones to improve the skills of the students.

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