



# MALLA REDDY ENGINEERING COLLEGE FOR WOMEN

(Autonomous Institution-UGC, Govt. of India)

Accredited by NBA & NAAC with 'A' Grade

Approved by AICTE, Affiliated to JNTUH, ISO 9001:2015 Certified Institution

Malsammaguda, Dhulapally, Secunderabad 500100.

**AY 2022-23**

S.No	Name of the course/program	Mode of the Course- offered by the HEI or Online (Specify the platform like MOOCS, SWAYAM, etc.)	Number of students enrolled in the year	Number of Students completing the course in the year
1	Introduction to Cyber Security	Cisco Networking Academy Platform	719	719
2	Cyber Security Essentials	Cisco Networking Academy Platform	719	719
3	Introduction of Packet Tracer	Cisco Networking Academy Platform	719	719
4	Networking Essentials	Cisco Networking Academy Platform	719	719
5	Python for Data Visualization: Matplotlib and Seaborn	Coursera Project Network- Coursera Platform	125	105
6	Introduction to Cyber security Tools & Cyber Attacks	IBM-Coursera Platform	408	355
7	Peer-to-Peer Protocols and Local Area Networks	University of Colorado-Coursera Platform	255	216
8	Python for Data Science, AI & Development	IBM-Coursera Platform	520	488
9	Machine Learning with Big Data	US SanDiego-Coursera Platform	350	301
10	Advance Python - Reconnaissance	Infosec-Coursera Platform	124	105
11	Internet of Things: Communication Technologies	Yonsei University-Coursera Platform	100	84
12	Sensors and Sensor Circuit Design	University of Colorado-Coursera Platform	60	45



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13	Command Line Basics in Linux	Coursera Project Network-Coursera Platform	60	46
14	IoT Wireless & Computing Emerging Technologies	Coursera Project Network-Coursera Platform	60	48
15	Introduction to Android Mobile Application Development	Mata-Coursera Platform	250	206
16	Introduction to Networks and Cisco Devices	Coursera Project Network-Coursera Platform	250	213
17	AWS S3 Basics	Coursera Project Network-Coursera Platform	560	510
18	Build your prot folio Website with HTML and CSS	Coursera Project Network-Coursera Platform	250	205
19	Introduction to Cyber Attacks	Tando School of Engineering-Coursera Platform	260	240
20	AI for Everyone	DeepLearning.AI-Coursera Platform	430	410
21	Introduction to Cloud Computing	IBM-Coursera Platform	650	601
22	Relational Data Base Systems	Universidad Nacional Autonoma de Mexico-Coursera Platform	466	425
23	Data Visualization with Tableau Project	UC Davis-Coursera Platform	634	601
24	Block Chain Basics	The State University of New York-Coursera Platform	250	204
25	Programming for Everybody (Getting Started with Python)	University of Michigan-Coursera Platform	560	560
26	DevOps on AWS: Code, Build and Test	AWS-Coursera Platform	784	756
27	Exploratory Data Analysis for Machine Learning	IBM-Coursera Platform	720	705
28	The Full Stack	Meta-Coursera Platform	723	692





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29	Cisco CCNA RS Introduction to Networks through Cisco Networking Academy	Cisco Networking Academy Platform	1000	976
30	Cisco Programming essentials in C through Cisco Networking Academy	Cisco Networking Academy Platform	870	870
31	Cisco Python Certification through Cisco Networking Academy	Cisco Networking Academy Platform	550	550
32	Advances in Remote Sensing Techniques for Geological Applications	ISRO-Govt of India	69	69
33	Cisco Linux Certification through Cisco Networking Academy	Cisco Networking Academy Platform	1124	1095
34	Cambridge Certification on ENGLISH Empower	University of Cambridge	650	650

Total Number of Value-Added Courses	No of Students Enrolled	No of Students Completed
34	15988	15207



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**Ref: MRECW/S\_M/2022-23/VAC/01**

**Date: 11-06-2022**

## **CIRCULAR**

This is to inform that we are arranging value added course for all IV and III Year CSE and IT students to enhance their qualities on **“Introduction to Cyber Security”** through Cisco Networking Academy Platform from 21-06-2022 to 26-06-2022. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **19-06-2022**. The detailed schedule and the syllabus will be displayed on the department notice board.

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Syllabus on

## **“Introduction of Cyber Security”**

**ABOUT:** Cyber Security is a process that's designed to protect networks and devices from external threats. Businesses typically employ Cyber Security professionals to protect their confidential information, maintain employee productivity, and enhance customer confidence in products and services.

### **OUTCOME's:**

When you enrol in this course, you'll also be enrolled in this Specialization.

- Learn what cybersecurity is and its potential impact to you.
- Understand the most common threats, attacks and vulnerabilities.
- Gain insights for how businesses protect their operations from attacks.
- Find the latest job trends and why cybersecurity continues to grow.

### **MODULE INFO:**

Today's interconnected world makes everyone more susceptible to cyber-attacks. Whether you're attracted to the relatively new world of cybersecurity as a professional, or just interested in protecting yourself online and in social media, this introductory course is the answer. It explores cyber trends, threats—along with the broader topic of cybersecurity in a way that will matter to YOU. For instance, you'll learn how to protect your personal privacy online while gaining additional insight on the challenges companies, and governmental and educational institutions face today. No prerequisites required.

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## **“Introduction of Cyber Security”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“ Introduction of Cyber Security ”</b>	719	719

  
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**Ref: MRECW/S\_M/2022-23/VAC/02**

**Date: 05-07-2022**

## **CIRCULAR**

This is to inform that we are arranging value added course for all II year students to enhance their qualities on “**Cyber Security Essentials**” through Cisco Networking Academy Platform from 12-07-2022 to 17-07-2022. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **10-07-2022**. The detailed schedule and the syllabus will be displayed on the department notice board.

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## **Syllabus on**

### **“Introduction to Cyber Security Essentials”**

**ABOUT:** Cybersecurity is the protection of internet-connected systems such as hardware, software and data from cyberthreats. The practice is used by individuals and enterprises to protect against unauthorized access to data centres and other computerized systems.

#### **OUTCOME's:**

When you enrol in this course, you'll also be enrolled in this Specialization.

- Recognize the importance of data security, maintaining data integrity, and confidentiality
- Identify preferred practices for authentication, encryption, and device security
- Demonstrate the installation of software updates and patches
- Discuss types of security threats, breaches, malware, social engineering, and other attack vectors

#### **MODULE INFO:**

- Learn new concepts from industry experts
- Gain a foundational understanding of a subject or tool
- Develop job-relevant skills with hands-on projects
- Earn a shareable career certificate

  
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## **“Introduction to Cyber Security Essentials”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“Introduction to Cyber Security Essentials”</b>	719	719

  
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**Ref: MRECW/S\_M/2022-23/VAC/03**

**Date: 18-07-2022**

## **CIRCULAR**

This is to inform that we are arranging value added course for all III year students to enhance their qualities on **“Introduction of Packet Tracer”** through Cisco Networking Academy Platform from 01-08-2022 to 06-08-2022. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **26-07-2022**. The detailed schedule and the syllabus will be displayed on the department notice board.

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Syllabus on

### **“Introduction of Packet Tracer”**

**ABOUT:** This Coursera Certification provides Internet of Things (IoT) is an emerging area of information and communications technology (ICT) involving many disciplines of computer science and engineering including sensors/actuators, communications networking, server platforms, data analytics and smart applications.

#### **OUTCOME's:**

When you enroll in this course, you'll also be enrolled in this Specialization.

This Specialization covers embedded systems, the Raspberry Pi Platform, and the Arduino environment for building devices that can control the physical world. In the final Capstone Project, you'll apply the skills you learned by designing, building, and testing a microcontroller-based embedded system, producing a unique final project suitable for showcasing to future employers.

#### **MODULE INFO:**

Internet of Things (IoT) is an emerging area of information and communications technology (ICT) involving many disciplines of computer science and engineering including sensors/actuators, communications networking, server platforms, data analytics and smart applications. IoT is considered to be an essential part of the 4th Industrial Revolution along with AI and Big Data. This course will be very useful to senior undergraduate and graduate students as well as engineers who are working in the industry. This course aims at introducing the general concepts and architecture of IoT applications, networking technologies involved, IoT development kits including Arduino, Raspberry Pi, Samsung ARTIK, and how to program them. This course will be offered in English.



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## **“Introduction of Packet Tracer”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“Introduction of Packet Tracer”</b>	719	719

  
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**Ref: MRECW/S\_M/2022-23/VAC/04**

**Date: 03-08-2022**

## **CIRCULAR**

This is to inform that we are arranging value added course for all III year students to enhance their qualities on “**Networking Essentials**” through Cisco Networking Academy Platform from 16-08-2022 to 21-08-2022. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **14-08-2022**. The detailed schedule and the syllabus will be displayed on the department notice board.

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Syllabus on

## **“NETWORK ESSENTIALS”**

**ABOUT:** This CISCO certification provides Networking is at the heart of the digital transformation. The network is essential to many business functions today, including business critical data and operations, cybersecurity, and so much more. A wide variety of career paths rely on the network -- so it's important to understand what the network can do, how it operates, and how to protect it.

### **OUTCOME's:**

When you enrol in this course, you'll also be enrolled in this Specialization.

- Plan and install a home or small business network using wireless technology, then connect it to the Internet.
- Develop critical thinking and problem-solving skills using Cisco Packet Tracer.
- Practice verifying and troubleshooting network and Internet connectivity.
- Recognize and mitigate security threats to a home network.

### **MODULE INFO:**

This is a great course for developers, data scientists, cybersecurity specialists, and other professionals looking to broaden their networking domain knowledge. It's also an excellent launching point for students pursuing a wide range of career pathways – from cybersecurity to software development to business and more. A Networking Academy digital badge is available for the instructor-led version of this course. No prerequisites required.

  
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## “NETWORK ESSENTIALS”

### Enrolled/Attended Details

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
“ NETWORK ESSENTIALS ”	719	719

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**Ref: MRECW/S\_M/2022-23/VAC/05**

**Date: 23-09-2022**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“Python for Data Visualization : Matplotlib and Seaborn”**. All the III Year IoT and AI & ML students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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**Ref: MRECW/S\_M/2022-23/VAC/06**

**Date: 28-09-2022**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“Introduction to Cyber security Tools & Cyber Attacks”**. All II year IoT, ECE and EEE students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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## **Syllabus on**

### **“Introduction to Cybersecurity Tools & Cyber Attacks”**

**ABOUT:** A cyberattack is any intentional effort to steal, expose, alter, disable, or destroy data, applications or other assets through unauthorized access to a network, computer system or digital device. Threat actors launch cyberattacks for all sorts of reasons, from petty theft to acts of war.

#### **OUTCOME's:**

When you enroll in this course, you'll also be enrolled in this Specialization.

- Learn new concepts from industry experts
- Gain a foundational understanding of a subject or tool
- Develop job-relevant skills with hands-on projects
- Earn a shareable career certificate

#### **MODULE INFO:**

This course provides learners with a baseline understanding of common cyber security threats, vulnerabilities, and risks. An overview of how basic cyber attacks are constructed and applied to real systems is also included. Examples include simple Unix kernel hacks, Internet worms, and Trojan horses in software utilities. Network attacks such as distributed denial of service (DDOS) and botnet- attacks are also described and illustrated using real examples from the past couple of decades.

Familiar analytic models are outlined such as the confidentiality/integrity/availability (CIA) security threat framework, and examples are used to illustrate how these different types of threats can degrade real assets. The course also includes an introduction to basic cyber security risk analysis, with an overview of how threat-asset matrices can be used to prioritize risk decisions. Threats, vulnerabilities, and attacks are examined and mapped in the context of system security engineering methodologies.



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## **“Introduction to Cyber security Tools & Cyber Attacks”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“Introduction to Cyber security Tools &amp; Cyber Attacks ”</b>	408	355

  
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**Ref: MRECW/S\_M/2022-23/VAC/07**

**Date: 29-09-2022**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“Peer-to-Peer Protocols and Local Area Networks”**. All III year CSE students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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## **Syllabus on**

### **“Peer-to-Peer Protocols and Local Area Networks”**

**ABOUT:** This Coursera Certification provides In a P2P network, computing devices use software to connect with each other over a private network, such as a home local area network (LAN) or a public network, such as the Internet. This direct connection allows each device to share files without requiring the assistance of a remote server..


#### **OUTCOME's:**

When you enrol in this course, you'll also be enrolled in this Specialization.

- Learn new concepts from industry experts
- Gain a foundational understanding of a subject or tool
- Develop job-relevant skills with hands-on projects
- Earn a shareable career certificate

#### **MODULE INFO:**

In this course, we discuss peer-to-peer protocols and local area networks. Part one in this course is to answer the question of how does a peer-to-peer protocol deliver reliable data transfer service across unreliable transmission lines or networks. We focus on several medium access control protocols and their performance analysis. In the second part, we discuss how medium access control protocols coordinate the access to the communication channel so that information gets through from a source to a destination in the same broadcast local area network. We further discuss local area network and wireless LAN.



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**Date: 01-10-2022**

**Ref: MRECW/S\_M/2022-23/VAC/08**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **"Python for Data Science, AI & Development"**. All III year students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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Syllabus on

## **“Python for Data Science, AI & Development”**

**ABOUT:** This Coursera Certification provides Python, Data Science & AI, you will develop the skills to use Jupyter Notebooks for developing, presenting, and sharing data science and artificial intelligence (AI) projects. Python is known for its simplicity, scalability, and open-source modules.

### **OUTCOME's:**

When you enroll in this course, you'll also be enrolled in this Specialization.

- A deep understanding of the math that makes machine learning algorithms work.
- Statistical techniques that empower you to get more out of your data analysis.
- Fundamental skills that employers desire, helping you ace machine learning interview questions and land your dream job.

### **MODULE INFO:**

Many machine learning engineers and data scientists need help with mathematics, and even experienced practitioners can feel held back by a lack of math skills. This Specialization uses innovative pedagogy in mathematics to help you learn quickly and intuitively, with courses that use easy-to-follow plugins and visualizations to help you see how the math behind machine learning actually works.

This is a beginner-friendly program, with a recommended background of at least high school mathematics. We also recommend a basic familiarity with Python, as labs use Python to demonstrate learning objectives in the environment where they're most applicable to machine learning and data science.



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## **“Python for Data Science, AI & Development”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“ Python for Data Science, AI &amp; Development ”</b>	520	488

  
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**Maisammaguda, Dhulapally, Secunderabad 500100.**

**Ref: MRECW/S\_M/2022-23/VAC/09**

**Date: 01-10-2022**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“Machine Learning with Big Data”**. All II year CSE & IT students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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Syllabus on

## **“Machine Learning with Big Data”**

**ABOUT:** Big Data and Machine Learning have become the reason behind the success of various industries. Both these technologies are becoming popular day by day among all data scientists and professionals. Big data is a term that is used to describe large, hard-to-manage, structured, and unstructured voluminous data. Whereas, Machine learning is a subfield of Artificial Intelligence that enables machines to automatically learn and improve from experience/past data.

### **OUTCOME's:**

- Understand a wide variety of learning algorithms and evaluate models generated from data.
- Apply the algorithms to a real problem, optimize the models learned and report on the expected accuracy that can be achieved by applying the models.
- Rapidly making better-informed decisions for effective strategizing, which can benefit and improve the supply chain, operations and other areas of strategic decision-making.

### **MODULE INFO:**

This module introduces Big Data, a term which relates to the management and analysis of sets of data that are typically too large for traditional data-processing software. Machine learning is the ability of computer systems to learn to make predictions from observations and data. Machine learning can use the information provided by the study of big data to generate valuable business insights.



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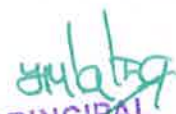
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## **“Machine Learning with Big Data”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“ Machine Learning with Big Data ”</b>	350	301

  
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**Ref: MRECW/S\_M/2022-23/VAC/10**

**Date: 15-10-2022**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“Advance Python - Reconnaissance”**. All the students are advised to enrol yourself and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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Syllabus on

## **“Advance Python - Reconnaissance”**

**ABOUT:** The Reconnaissance course demonstrates the use of Python to automate the process of performing reconnaissance on target environments. We will also demonstrate how Python can be used to automate a password guessing attack to gain initial access to a target environment.

### **OUTCOME's:**

- Aside from the Lambda functions, advanced Python skills include understanding iterators and generators and the zip function.
- Some of the other advanced Python skills that candidates of this level should demonstrate include sorting and map and filter functions.

### **MODULE INFO:**

This module introduces reconnaissance course demonstrates the use of Python to automate the process of performing reconnaissance on target environments. Also demonstrate how Python can be used to automate a password guessing attack to gain initial access to a target environment.



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## **“Advance Python - Reconnaissance”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“ Advance Python - Reconnaissance ”</b>	124	105

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**Ref: MRECW/S\_M/2022-23/VAC/11**

**Date: 19-10-2022**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“Internet of Things: Communication Technologies”**. All II and III year IoT students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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## **Syllabus on**

### **“Internet of Things: Communication Technologies”**

**ABOUT:** IoT is the connection of devices over the internet, where these smart devices communicate with each other, exchange data, perform some tasks without any human involvement. These devices are embedded with electronics, software, network and sensors which help in communication. Communication between smart devices is very important in IOT as it enables these devices to gather, exchange data which contribute in success of that IOT product/project.

#### **OUTCOME's:**

- IoT technology has pervasively penetrated various markets such as smart health care, smart city, industry, transport, agriculture and so on.
- In agriculture, IoT platforms provide monitored data and useful solutions for farmers to tackle real problems.

#### **MODULE INFO:**

An IoT module is a compact electronic component that integrates the necessary hardware, firmware, and software functionalities to enable wireless connectivity and communication in IoT devices. It incorporates technologies such as Wi-Fi, Bluetooth, Zigbee, or cellular (LTE, 5G) to transmit and receive data over networks. Overall, IoT modules provide the connectivity backbone for IoT devices, enabling seamless data exchange and transformative applications..



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## **“Internet of Things: Communication Technologies”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“Internet of Things: Communication Technologies”</b>	100	84

  
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**Ref: MRECW/S\_M/2022-23/VAC/12**

**Date: 22-10-2022**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“Sensors and Sensor Circuit Design”**. All II and III Year IoT students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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## **Syllabus on**

### **“Sensors and Sensor Circuit Design”**

**ABOUT:** A sensor is a device that detects and responds to some type of input from the physical environment. The input can be light, heat, motion, moisture, pressure or any number of other environmental phenomena.

#### **OUTCOME's:**

- The proper thermal, flow, or rotary sensor for taking real-time process data.
- Implement thermal sensors into an embedded system in both hardware and software.
- Create hardware and firmware to process sensor signals and feed data to a microprocessor for further evaluation.

#### **MODULE INFO:**

The Sensor Module features two universal inputs on a pluggable terminal block. The terminals can be used as both analog and digital input/output. For example you can connect various external digital, analog or resistive sensors. Also, you can communicate with other devices on a 1-Wire bus.





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## **“Sensors and Sensor Circuit Design”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“Sensors and Sensor Circuit Design ”</b>	60	45

  
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**Ref: MRECW/S\_M/2022-23/VAC/13**

**Date: 22-10-2022**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“Command Line Basics in Linux”**. All II and III Year IoT students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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## **Syllabus on**

### **“Command Line Basics in Linux”**

**ABOUT:** The Linux command line is a text interface to your computer. Often referred to as the shell, terminal, console, prompt or various other names, it can give the appearance of being complex and confusing to use. Yet the ability to copy and paste commands from a website, combined with the power and flexibility the command line.

#### **OUTCOME's:**

- Basic Linux commands such as cd, ls, mkdir and more; along with more advanced ones such as find, grep (including regular expressions), and du. They will also learn how to apply such commands to file management and navigation.

#### **MODULE INFO:**

Linux commands are a type of Unix command or shell procedure. They are the basic tools used to interact with Linux on an individual level. Linux operating system is used on servers, desktops, and maybe even your smart phone. It has a lot of command line tools that can be used for virtually everything on the system. In this article, we will get to know about the most important commands you should know when you start using Linux as a beginner. All users should be familiar with most of these commands as they are required for most operating system tasks and computer programming. Linux commands are used to perform a variety of tasks, including displaying information about files and directories.



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## **“Command Line Basics in Linux”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“ Command Line Basics in Linux ”</b>	60	46

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**Ref: MRECW/S\_M/2022-23/VAC/14**

**Date: 01-11-2022**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“IoT Wireless & Computing Emerging Technologies”**. All II and III Year IoT students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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## **Syllabus on**

### **“IoT Wireless & Computing Emerging Technologies”**

**ABOUT:** IoT (Internet of Things) devices are already abundant, but new products that include IoT modules are now a common trend. Also, almost everything is already connected to a Cloud, and much more will be in the future

#### **OUTCOME's:**

- In future almost all devices and appliances will include IoT modules which will use sensor data collection and control/management based on Clouds.
- The start-of-the-art IoT and wireless networks and Cloud technologies are introduced (for details on 1G to 5G mobile communications and smartphone and smart device technology)

#### **MODULE INFO:**

The IoT module introduces the Internet of Things, which extends Internet connectivity from computers and related devices to other physical devices or common objects and leverages from technologies such as embedded systems, wireless sensors, and automation.

IoT world supported by Clouds, knowledge of the core technologies and platforms of IoT and Clouds will enable you with the tools to become a true leader in the future product and business world.



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## **“IoT Wireless & Computing Emerging Technologies”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“ IoT Wireless &amp; Computing Emerging Technologies ”</b>	60	48

  
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**Ref: MRECW/S\_M/2022-23/VAC/15**

**Date: 03-11-2022**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“Introduction to Android Mobile Application Development”**. All the students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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Syllabus on

## **“Introduction to Android Mobile Development”**

**ABOUT:** Empower Android Mobile development include machine learning, artificial intelligence, the latest sensors, big data and blockchain. Businesses seek emerging IoT technologies as a vital priority in strategies for digital transformation.

### **OUTCOME's:**

When you enrol in this course, you'll also be enrolled in this Specialization.

- Practice building simple and complex networks
- Visualize how a network works
- Practice rack, stack, and cabling skills in the virtual lab
- Integrate IoT devices, Python code, or network automation

### **MODULE INFO:**

The process of mobile app development starts with conceptualizing unique and viable ideas that align with business objectives and user expectations. It involves brainstorming, market research, and defining the app's concept, target audience, and features.



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## **“Introduction to Android Mobile Application Development”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“ Introduction to Android Mobile Application Development ”</b>	250	206

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**Ref: MRECW/S\_M/2022-23/VAC/16**

**Date: 08-11-2022**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“Introduction to Networks and Cisco Devices”**. All IV year students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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Syllabus on

## **“Introduction to Networks and Cisco Devices”**

**ABOUT:** Computer networking refers to connected computing devices (such as laptops, desktops, servers, smartphones, and tablets) and an ever-expanding array of IoT devices (such as cameras, door locks, doorbells, refrigerators, audio/visual systems, thermostats, and various sensors) that communicate with one another.

### **OUTCOME's:**

- computer networks (switching, routing), system and network administration, computer and network security, operating systems, web programming, databases, and project management.
- The measurable skills, abilities, knowledge or values that students should be able to demonstrate as a result of a completing a course.

### **MODULE INFO:**

Cisco identify different components such as end devices, intermediary devices, and connection media and simulate network topologies in the Packet Tracer, manage Cisco network devices using telnet, SSH, and Console connections, and secure access to Cisco devices using passwords and password encryption services. Cisco Systems, Inc. is a leading networking company best known as a manufacturer and vendor of networking equipment. The company also provides software and offers related services.



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## **“Introduction to Networks and Cisco Devices”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“ Introduction to Networks and Cisco Devices ”</b>	250	213

  
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**Ref: MRECW/S\_M/2022-23/VAC/17**

**Date: 06-12-2022**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **"AWS S3 Basics"**. All II year students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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## **Syllabus on “AWS S3 Basics”**

**ABOUT:** AWS stands for **Amazon Web Services**. The AWS service is provided by the Amazon that uses distributed IT infrastructure to provide different IT resources available on demand. It provides different services such as infrastructure as a service (IaaS), platform as a service (PaaS) and packaged software as a service (SaaS). Amazon launched AWS, a cloud computing platform to allow the different organizations to take advantage of reliable IT infrastructure.

### **OUTCOME's:**

- Amazon S3 buckets are similar to file folders and can be used to store, retrieve, back up and access objects.
- Each object has three main components -- the object's content or data, a unique identifier for the object and the descriptive metadata, including the object's name, URL and size.

### **MODULE INFO:**

Amazon S3 buckets are similar to file folders and can be used to store, retrieve, back up and access objects. Each object has three main components -- the object's content or data, a unique identifier for the object and the descriptive metadata, including the object's name, URL and size.



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## **“AWS S3 Basics”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“ AWS S3 Basics ”</b>	<b>560</b>	<b>510</b>

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**Ref: MRECW/S\_M/2022-23/VAC/18**

**Date: 12-12-2022**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“Build your portfolio Website with HTML and CSS”**. All the students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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## **Syllabus on**

### **“Build your portfolio Website with HTML and CSS”**

**ABOUT:** HTML is a markup language used to create static web pages and web applications. CSS is a style sheet language responsible for the presentation of documents written in a markup language. An online portfolio (may also be called a digital portfolio or e-portfolio) is an online representation of work you have created, as well as your skills and experiences. It could be a website, blog, or even a video channel.

#### **OUTCOME's:**

- A portfolio website is a curated, online space that showcases your best work. It's one of the most practical and memorable ways to share your work with press, potential collaborators or employers. Much like your PDF portfolio, a portfolio website can be used when applying for jobs or internships.

#### **MODULE INFO:**

HTML provides the raw tools needed to structure content on a website. CSS, on the other hand, helps to style this content so it appears to the user the way it was intended to be seen. These languages are kept separate to ensure websites are built correctly before they're reformatted.



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**“Build your portfolio Website with HTML and CSS”**

## **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“ Build your portfolio Website with HTML and CSS ”</b>	240	205

  
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**Ref: MRECW/S\_M/2022-23/VAC/19**

**Date: 15-12-2022**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“Introduction to Cyber Attacks”**. All III year students are advised to enrol yourself and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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## **Syllabus on**

### **“Introduction to Cyber Attacks”**

**ABOUT:** A cyberattack is any intentional effort to steal, expose, alter, disable, or destroy data, applications or other assets through unauthorized access to a network, computer system or digital device. Threat actors launch cyberattacks for all sorts of reasons, from petty theft to acts of war.

#### **OUTCOME's:**

When you enroll in this course, you'll also be enrolled in this Specialization.

- Learn new concepts from industry experts
- Gain a foundational understanding of a subject or tool
- Develop job-relevant skills with hands-on projects
- Earn a shareable career certificate

#### **MODULE INFO:**

This course provides learners with a baseline understanding of common cyber security threats, vulnerabilities, and risks. An overview of how basic cyber attacks are constructed and applied to real systems is also included. Examples include simple Unix kernel hacks, Internet worms, and Trojan horses in software utilities. Network attacks such as distributed denial of service (DDOS) and botnet- attacks are also described and illustrated using real examples from the past couple of decades.

Familiar analytic models are outlined such as the confidentiality/integrity/availability (CIA) security threat framework, and examples are used to illustrate how these different types of threats can degrade real assets. The course also includes an introduction to basic cyber security risk analysis, with an overview of how threat-asset matrices can be used to prioritize risk decisions. Threats, vulnerabilities, and attacks are examined and mapped in the context of system security engineering methodologies.



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## **“Introduction to Cyber Attacks”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“ Introduction to Cyber Attacks ”</b>	260	240

  
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**Date:** 16-12-2022

**Ref:** MRECW/S\_M/2022-23/VAC/20

## CIRCULAR

We are Happy to inform that Coursera Platform has activated value added course on "AI for Everyone". All II and III year CSE and IT students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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**Ref: MRECW/S\_M/2022-23/VAC/21**

**Date: 17-12-2022**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“Introduction to Cloud Computing”**. All II Year students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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## **Syllabus on**

### **“Introduction to Cloud Computing”**

**ABOUT:** Cloud Computing is the delivery of computing services such as servers, storage, databases, networking, software, analytics, intelligence, and more, over the Cloud (Internet).

#### **OUTCOME's:**

- After completion of the course, the students will be able to develop basic understanding of cloud computing, its services (through tools) and deployments models.

#### **MODULE INFO:**

Cloud Computing provides an alternative to the on-premises datacentre. With an on-premises datacentre, we have to manage everything, such as purchasing and installing hardware, virtualization, installing the operating system, and any other required applications, setting up the network, configuring the firewall, and setting up storage for data. After doing all the set-up, we become responsible for maintaining it through its entire lifecycle.



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## **“Introduction to Cloud Computing”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“Introduction to Cloud Computing”</b>	650	601

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**Ref: MRECW/S\_M/2022-23/VAC/22**

**Date: 20-12-2022**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“Relational Data Base Systems”**. All III year CSE and IT students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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Syllabus on

## **“Relational Data Base Systems”**

**ABOUT:** This Coursera Certification provides the A relational database is a type of database that stores and provides access to data points that are related to one another. Relational databases are based on the relational model, an intuitive, straightforward way of representing data in tables.

### **OUTCOME's:**

When you enrol in this course, you'll also be enrolled in this Specialization.

- Develop and maintain web services and interfaces
- Contribute to front-end and back-end development processes
- Build new product features or APIs
- Perform tests, troubleshoot software, and fix bugs
- Collaborate with other departments on projects and sprints

### **MODULE INFO:**

A learner will be able to design, test, and implement analytical, transactional or NoSQL database systems according to business requirements by programming reliable, scalable and maintainable applications and resources using SQL and Hadoop ecosystem.



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## **“Relational Data Base Systems”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“ Relational Data Base Systems ”</b>	466	425

  
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**Ref: MRECW/S\_M/2022-23/VAC/23**

**Date: 27-12-2022**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“Data Visualization with Tableau Project”**. All II year CSE, ECE and EEE students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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## **Syllabus on**

### **“Data Visualization with Tableau Project”**

**ABOUT:** This Coursera Certification provides the Data visualization is the representation of data through use of common graphics, such as charts, plots, infographics, and even animations. These visual displays of information communicate complex data relationships and data-driven insights in a way that is easy to understand.

#### **OUTCOME's:**

When you enroll in this course, you'll also be enrolled in this Specialization.

- Develop a project proposal
- Create KPIs and dashboards and assess your analysis
- Assess the quality of the data and perform exploratory analysis
- Create your data story and write a narrative to accompany your visualization

#### **MODULE INFO:**

In this project-based course, you will follow your own interests to create a portfolio worthy single-frame viz or multi-frame data story that will be shared on Tableau Public. You will use all the skills taught in this Specialization to complete this project step-by-step, with guidance from your instructors along the way. You will first create a project proposal to identify your goals for the project, including the question you wish to answer or explore with data. You will then find data that will provide the information you are seeking. You will then import that data into Tableau and prepare it for analysis.



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Ref: MRECW/S\_M/2022-23/VAC/01

Date: 11-06-2022

## CIRCULAR

This is to inform that we are arranging value added course for all IV and III Year CSE and IT students to enhance their qualities on “**Introduction to Cyber Security**” through Cisco Networking Academy Platform from 21-06-2022 to 26-06-2022. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **19-06-2022**. The detailed schedule and the syllabus will be displayed on the department notice board.

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## **Syllabus on**

### **“Introduction of Cyber Security”**

**ABOUT:** Cyber Security is a process that's designed to protect networks and devices from external threats. Businesses typically employ Cyber Security professionals to protect their confidential information, maintain employee productivity, and enhance customer confidence in products and services.

#### **OUTCOME's:**

When you enrol in this course, you'll also be enrolled in this Specialization.

- Learn what cybersecurity is and its potential impact to you.
- Understand the most common threats, attacks and vulnerabilities.
- Gain insights for how businesses protect their operations from attacks.
- Find the latest job trends and why cybersecurity continues to grow.

#### **MODULE INFO:**

Today's interconnected world makes everyone more susceptible to cyber-attacks. Whether you're attracted to the relatively new world of cybersecurity as a professional, or just interested in protecting yourself online and in social media, this introductory course is the answer. It explores cyber trends, threats—along with the broader topic of cybersecurity in a way that will matter to YOU. For instance, you'll learn how to protect your personal privacy online while gaining additional insight on the challenges companies, and governmental and educational institutions face today. No prerequisites required.

*Sandhya*  
Principal  
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## **“Introduction of Cyber Security”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“ Introduction of Cyber Security ”</b>	719	719

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Ref: MRECW/S\_M/2022-23/VAC/02

Date: 05-07-2022

## CIRCULAR

This is to inform that we are arranging value added course for all II year students to enhance their qualities on “**Cyber Security Essentials**” through Cisco Networking Academy Platform from 12-07-2022 to 17-07-2022. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **10-07-2022**. The detailed schedule and the syllabus will be displayed on the department notice board.

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## Syllabus on

### “Introduction to Cyber Security Essentials”

**ABOUT:** Cybersecurity is the protection of internet-connected systems such as hardware, software and data from cyberthreats. The practice is used by individuals and enterprises to protect against unauthorized access to data centres and other computerized systems.

#### OUTCOME's:

When you enrol in this course, you'll also be enrolled in this Specialization.

- Recognize the importance of data security, maintaining data integrity, and confidentiality
- Identify preferred practices for authentication, encryption, and device security
- Demonstrate the installation of software updates and patches
- Discuss types of security threats, breaches, malware, social engineering, and other attack vectors

#### MODULE INFO:

- Learn new concepts from industry experts
- Gain a foundational understanding of a subject or tool
- Develop job-relevant skills with hands-on projects
- Earn a shareable career certificate

  
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## **“Introduction to Cyber Security Essentials”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“Introduction to Cyber Security Essentials”</b>	719	719

  
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Ref: MRECW/S\_M/2022-23/VAC/03

Date: 18-07-2022

## CIRCULAR

This is to inform that we are arranging value added course for all III year students to enhance their qualities on **“Introduction of Packet Tracer”** through Cisco Networking Academy Platform from 01-08-2022 to 06-08-2022. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **26-07-2022**. The detailed schedule and the syllabus will be displayed on the department notice board.

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## **Syllabus on**

### **“Introduction of Packet Tracer”**

**ABOUT:** This Coursera Certification provides Internet of Things (IoT) is an emerging area of information and communications technology (ICT) involving many disciplines of computer science and engineering including sensors/actuators, communications networking, server platforms, data analytics and smart applications.

#### **OUTCOME's:**

When you enroll in this course, you'll also be enrolled in this Specialization.

This Specialization covers embedded systems, the Raspberry Pi Platform, and the Arduino environment for building devices that can control the physical world. In the final Capstone Project, you'll apply the skills you learned by designing, building, and testing a microcontroller-based embedded system, producing a unique final project suitable for showcasing to future employers.

#### **MODULE INFO:**

Internet of Things (IoT) is an emerging area of information and communications technology (ICT) involving many disciplines of computer science and engineering including sensors/actuators, communications networking, server platforms, data analytics and smart applications. IoT is considered to be an essential part of the 4th Industrial Revolution along with AI and Big Data. This course will be very useful to senior undergraduate and graduate students as well as engineers who are working in the industry. This course aims at introducing the general concepts and architecture of IoT applications, networking technologies involved, IoT development kits including Arduino, Raspberry Pi, Samsung ARTIK, and how to program them. This course will be offered in English.



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**Ref: MRECW/S\_M/2022-23/VAC/25**

**Date: 02-01-2023**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“Programming for Everybody (Getting Started with Python)”**. All the I year students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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## **Syllabus on**

### **“Programming for Everybody (Getting Started with Python)”**

**ABOUT:** Python has become one of the most popular programming languages in recent years. It's been used in everything from machine learning to building websites and software testing. Developers and non-developers alike find it useful. Python, one of the most popular programming languages in the world, has created everything from Netflix's recommendation algorithm to the software that controls self-driving cars. Python is a general-purpose language, used to create a range of applications, including data science, software and web development, automation, and improving the ease of everyday tasks.

#### **OUTCOME's:**

When you enrol in this course, you'll also be enrolled in this Specialization.

- Install Python and write your first program
- Use variables to store, retrieve and calculate information
- Describe the basics of the Python programming language
- Utilize core programming tools such as functions and loops

**MODULE INFO:** This course aims to teach everyone the basics of programming computers using Python. We cover the basics of how one constructs a program from a series of simple instructions in Python. The course has no pre-requisites and avoids all but the simplest mathematics. Anyone with moderate computer experience should be able to master the materials in this course. This course will cover Chapters 1-5 of the textbook “Python for Everybody”. Once a student completes this course, they will be ready to take more advanced programming courses. This course covers Python 3.



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**Ref: MRECW/S\_M/2022-23/VAC/26**

**Date: 05-01-2023**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“DevOps on AWS: Code, Build and Test”**. All II year CSE,CSE Specialization and IT students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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**(Via) Kompally, Secunderabad-500 100**



# **MALLA REDDY ENGINEERING COLLEGE FOR WOMEN**

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**Maisammaguda, Dhulapally, Secunderabad 500100.**

## **Syllabus on**

### **“DevOps on AWS: Code, Build and Test”**

**ABOUT:** This Coursera Certification provides the DevOps is the combination of cultural philosophies, practices, and tools that increase an organization's ability to deliver applications and services at high velocity: evolving and improving products at a faster pace than organizations using traditional software development and infrastructure management processes

#### **OUTCOME's:**

When you enrol in this course, you'll also be enrolled in this Specialization.

- Understand the DevOps philosophies and its lifecycle
- How to use the right tools to measure code quality by identifying workflow steps
- Implement and manage continuous delivery systems and methodologies on AWS

#### **MODULE INFO:**

DevOps is the combination of cultural philosophies, practices, and tools that increases an organization's ability to deliver applications and services at high velocity: evolving and improving products at a faster pace than organizations using traditional software development and infrastructure management processes. This speed enables organizations to better serve their customers and compete more effectively in the market.

DevOps process can be visualized as an infinite loop, comprising these steps: plan, code, build, test, release, deploy, operate, monitor. Throughout each phase, teams collaborate and communicate to maintain alignment, velocity, and quality. This course in the DevOps on AWS specialization focuses on code, build and test parts of the workflow.



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## **“DevOps on AWS: Code, Build and Test”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“ DevOps on AWS: Code, Build and Test ”</b>	784	756

  
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**Ref: MRECW/S\_M/2022-23/VAC/27**

**Date: 05-01-2023**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **“Exploratory Data Analysis for Machine Learning”**. All III year CSE, CSE Specialization and IT students are advised to enrol your-self and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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## **Syllabus on**

### **“Exploratory Data Analysis for Machine Learning”**

**ABOUT:** This Coursera Certification provides the EDA, or Exploratory Data Analysis, refers back to the method of analyzing and analyzing information units to uncover styles, pick out relationships, and gain insights. There are various sorts of EDA strategies that can be hired relying on the nature of the records and the desires of the evaluation

#### **OUTCOME's:**

When you enroll in this course, you'll also be enrolled in this Specialization.

- Learn new concepts from industry experts
- Gain a foundational understanding of a subject or tool
- Develop job-relevant skills with hands-on projects
- Earn a shareable career certificate

#### **MODULE INFO:**

This first course in the IBM Machine Learning Professional Certificate introduces you to Machine Learning and the content of the professional certificate. In this course you will realize the importance of good, quality data. You will learn common techniques to retrieve your data, clean it, apply feature engineering, and have it ready for preliminary analysis and hypothesis testing.

By the end of this course you should be able to:

Retrieve data from multiple data sources: SQL, NoSQL databases, APIs, Cloud

Describe and use common feature selection and feature engineering techniques

Handle categorical and ordinal features, as well as missing values

Use a variety of techniques for detecting and dealing with outliers

Articulate why feature scaling is important and use a variety of scaling techniques



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**Ref: MRECW/S\_M/2022-23/VAC/28**

**Date: 07-01-2023**

## **CIRCULAR**

We are Happy to inform that Coursera Platform has activated value added course on **"The Full Stack"**. All III year CSE, IT and ECE students are advised to enrol yourself and complete the course in the stipulated time. The detail syllabus is available in your respective department notice boards.

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## **Syllabus on**

### **“The Full Stack”**

**ABOUT:** This Coursera Certification provides the Full stack development refers to the end-to-end application software development, including the front end and back end. The front end consists of the user interface, and the back end takes care of the business logic and application workflows.

#### **OUTCOME's:**

When you enrol in this course, you'll also be enrolled in this Specialization.

- Develop and maintain web services and interfaces
- Contribute to front-end and back-end development processes
- Build new product features or APIs
- Perform tests, troubleshoot software, and fix bugs
- Collaborate with other departments on projects and sprints

#### **MODULE INFO:**

As you prepare for your role in back-end development, practice bringing together multiple skills to build a full-stack Django app. You'll start by setting up an environment for a local practical project, and refactoring the front and back-ends of an existing application. You will then have the opportunity to create the front and back-ends of a new application using your full-stack developer skills.

By the end of this course you will be able to:

- Explain common concepts related to full stack development
- Use HTML, CSS and JavaScript to develop well-structured, interactive and responsive websites
- Build a full stack application using Django that stores its data in models on a MySQL database and updates its pages with forms and API endpoints
- Describe the different environments that web applications are deployed to



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## "The Full Stack"

### Enrolled/Attended Details

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
" The Full Stack "	723	692

  
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List of the Students Completed Value added course

Training Programme: **"The Full Stack"**

S.No	Hall Ticket Number	Student Name
1	20RH1A0408	ALLURI POOJITHA
2	20RH1A0471	EDGI BHAVANI
3	20RH1A04G8	PALDA SRIJA
4	20RH1A0495	GURRAM MAHITHA
5	20RH1A1245	DEVUNURI PRANATHI
6	20RH1A04P2	VELPULA R S LAHARI
7	20RH1A04G7	P S SHASHIKANTHI
8	20RH1A0575	GAJWEL GREESHMIKA REDDY
9	20RH1A0445	CHANDA SATHVIKA
10	20RH1A1262	GUNDA ARCHANA
11	20RH1A05G2	NERUSU SAI MOHANA SOWMYA
12	20RH1A1266	JABISSETTI SADWIKA
13	20RH1A1255	GOPIDI SUSHMA REDDY
14	20RH1A12E1	PENDALWAR SHEETAL
15	20RH1A04E2	MADIPEDDI SREEJA
16	20RH1A0485	GARINE NAGAVASAVI
17	20RH1A05B4	KOMMINENI VIJAYA SOWMYA
18	20RH1A0470	DURISALA LAKSHMI SRI KAVYA
19	20RH1A0477	GADAGONI SATHVIKA
20	20RH1A0560	DHANAPALLY PRANAYA
21	20RH1A05K7	S SAI NAGA CHARISHMA
22	20RH1A0597	JAKKANI MANOGNA
23	20RH1A0450	CHETTUPALLI SUSHMITHA
24	20RH1A1237	CHENNU HIMA BINDHU
25	20RH1A0567	E LAVANYA
26	20RH1A05G6	OLETI CHANDANA VAHNI
27	20RH1A0427	BEJJORA GANGA JYOTHI
28	20RH1A0433	BODDUPALLY BHAVANI
29	20RH1A04C4	KONDA REDDY LAKSHMI PRASANNA
30	20RH1A04F6	NACHARAM BHARGAVI
31	20RH1A0434	BODDUPALLY SATHVIKA
32	20RH1A05P1	VEMAVARAPU VICTORIA RACHEL
33	20RH1A1233	BONTHALA SATYA SAHITHI
34	20RH1A05M5	SUNKARI POOJITHA
35	20RH1A0593	HYMAVATHI BANDA
36	20RH1A04B0	KANDULA VARSHINI
37	20RH1A0510	APPASI SRINITHA



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Ref: MRECW/S\_M/2022-23/VAC/29

Date: 02-02-2023

## CIRCULAR

This is to inform that we are arranging value added course for all III year students to enhance their qualities on “**Cisco CCNA RS Introduction to Networks**” through Cisco Networking Academy Platform from 14-02-2023 to 19-02-2023. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **12-02-2023**. The detailed schedule and the syllabus will be displayed on the department notice board.

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## **Syllabus on**

### **“CCNA RS Introduction to Networking”**

**ABOUT:** This CISCO CCNA begin preparing for a networking career with this introduction to how networks operate. This first course in the 3-course CCNA series introduces architectures, models, protocols, and networking elements – functions needed to support the operations and priorities of Fortune 500 companies to small innovative retailers. You'll even get the chance to build simple local area networks (LANs). Developing a working knowledge of IP addressing schemes, foundational network security, you'll be able to perform basic configurations for routers and switches. No prerequisites required

#### **OUTCOME's:**

When you enrol in this course, you'll also be enrolled in this Specialization.

- Build simple LANs, perform basic configurations for routers and switches, and implement IPv4 and IPv6 addressing schemes.
- Configure routers, switches, and end devices to provide access to local and remote network resources and to enable end-to-end connectivity between remote devices.
- Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer.
- Configure and troubleshoot connectivity a small network using security best practices.

#### **MODULE INFO:**

CCNA R&S deals with taking fundamental training on routing & switching and networking technologies used today. You learn about networking devices, networking technologies and how to implement networks(LAN) by using multiple technologies





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## **“CCNA RS Introduction to Networking”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“ CCNA RS Introduction to Networking ”</b>	1000	976

*Subbha*  
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**Ref: MRECW/S\_M/2022-23/VAC/30**

**Date: 11-02-2023**

## **CIRCULAR**

This is to inform that we are arranging value added course for all students to enhance their qualities on **“Cisco Programming Essentials in C”** through Cisco Networking Academy Platform from 01-03-2023 to 08-03-2023. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **19-02-2023**. The detailed schedule and the syllabus will be displayed on the department notice board.

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Syllabus on

## **“PROGRAMMING ESSENTIALS IN C ”**

**ABOUT:** This CISCO provides Programming Essentials in C curriculum is designed for students who want to learn the fundamentals of programming through the C language. This course covers the universal concepts of computer programming, as well as the syntax, semantics and data types of the C language.

**OUTCOME's:**

When you enrol in this course, you'll also be enrolled in this Specialization.

- Understand common computer programming concepts and write your own programs.
- Learn the syntax, semantics and basic data types of C.
- Apply programming skills using hands-on lab activities.
- Prepare for the C Programming Language Certified Associate Certification (CLA).

**MODULE INFO:**

The ever-popular C programming language is considered one of the best “first” languages to learn. It's proven itself for more than 40 years as the absolute essential for entry-level and software development jobs. Known for building operating systems and tens of thousands of applications, it continues to earn new devotees due to its fast and portable nature. Become a devotee yourself, and enjoy the rewards it brings! Designed for beginners, no prior programming knowledge required. See more about the C Programming Language Certified Associate Certification (CLA).



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Ref: MRECW/S\_M/2022-23/VAC/31

Date:14-02-2023

## CIRCULAR

This is to inform that we are arranging value added course for all students to enhance their qualities on “Cisco Python Certification” through Cisco Networking Academy Platform from 19-03-2023 to 24-03-2023. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **17-03-2023**. The detailed schedule and the syllabus will be displayed on the department notice board.


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## **Syllabus on**

### **“Cisco Python Certification”**

**ABOUT:** How great would it be to write your own computer program? Python is a multi-paradigm programming language used by startups and tech giants like Google, Facebook, Netflix, and more. With intuitive, readable syntax, Python is a great first programming language to learn.

Programming skills open you up to careers in almost any industry and are required if you want to continue to more advanced and higher paying software development and engineering roles.

#### **OUTCOME's:**

When you enrol in this course, you'll also be enrolled in this Specialization.

- Think algorithmically – how to analyze a problem and translate it for a computer to process.
- Design, develop, and improve multi-module computer programs.
- Analyze and model real-life problems in Object-Oriented Programming categories.
- Understand a programmer's work in the software development process.
- Learn how a program is executed in a computer environment.
- Gain skills to create and develop your own programming portfolio

#### **MODULE INFO:**

This course is a great place to start learning Python – no prior programming knowledge required. Completing the course earns you a Statement of Achievement.



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**Ref: MRECW/S\_M/2022-23/VAC/32**

**Date: 16-02-2023**

## **CIRCULAR**

This is to inform that we are arranging Online short course on **“RS and GIS Applications in Atmospheric and Oceanic Hazards”** for all students Under the ISRO DMSP-Capacity Building activities from 27-02-2023 to 03-03-2023. All the Students are advised to enrol for the course at their respective Head of the Department office on or before **22-02-2023**. The detailed schedule and the syllabus will be displayed on the department notice board.

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**Ref: MRECW/S\_M/2022-23/VAC/33**

**Date: 30-03-2023**

## **CIRCULAR**

This is to inform that we are arranging value added course for all II year students to enhance their qualities on “**Cisco Linux Certification**” through Cisco Networking Academy Platform from 04-04-2023 to 09-04-2023. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **19-07-2019**. The detailed schedule and the syllabus will be displayed on the department notice board.

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## **Syllabus on**

### **“Cisco Linux Certification”**

**ABOUT:** This CISCO Certification provides Linux which is an operating system created in 1991. Linux is open source, fast, reliable, and small. It requires very little hardware resources to run, and is highly customizable. Unlike other operating systems such as Windows and macOS X, Linux was created, and is currently maintained, by a community of programmers. Linux is part of several platforms and can be found on devices anywhere from “wristwatches to supercomputers.”.

#### **OUTCOME's:**

When you enroll in this course, you'll also be enrolled in this Specialization.

- Basic installation and configuration of Linux software.
- Understand the basics of the Linux Command Line Interface (CLI).
- Interact with the Linux virtual machine.
- Determine if Linux is for you or not.

#### **MODULE INFO:**

A Linux distribution is the term used to describe packages created by different organizations. Linux distributions (or distros) include the Linux kernel with customized tools and software packages. While some of these organizations may charge for their Linux distribution support (geared toward Linux-based businesses), the majority of them also offer their distribution for free without support. Debian, Red Hat, Ubuntu, CentOS, and SUSE are just a few examples of Linux distributions.





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## **“Cisco Linux Certification”**

### **Enrolled/Attended Details**

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
<b>“ Cisco Linux Certification ”</b>	1124	1095

  
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**Ref: MRECW/S\_M/2022-23/VAC/34**

**Date: 20-03-2023**

## **CIRCULAR**

We are Happy to inform that we are arranging CAMBRIDGE Certification for all I year students on **"ENGLISH Enpower"** programme. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before 08-10-2022. The detailed schedule and the syllabus will be displayed on the department notice board.

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Syllabus on

## **“ENGLISH Enpower”**

**ABOUT:** This CAMBRIDGE Certification provides for both native speakers and ESOL speakers, strong communication in English involves four modes: reading, writing, speaking, and listening. Different people have naturally differing aptitudes for these skills.

### **OUTCOME's:**

So by the end of the course, they are expected to be able to:

- a) Learn the basics of good language and the importance of speaking competence.
- b) They are able to speak flawlessly with confidence.
- c) They are also trained in news reading, anchoring and demonstrations and announcements.

### **MODULE INFO:**

Communication is a process that involves sending and receiving messages through the verbal and non-verbal methods. Communication is a two-way means of communicating information in the form of thoughts, opinions, and ideas between two or more individuals with the purpose of building an understanding.

# Certificate of Completion

This is to certify that *V Akshara*  
has participated and completed  
Cambridge English Empower Level C1 course  
at Malla Reddy Engineering College for Women (MRECW).



.....  
Himanshu Matta  
Business Head – HE&A  
Cambridge University Press & Assessment

Cambridge University Press & Assessment is a non-teaching department of the University of Cambridge



Corporate  
Social  
Responsibility

Certificate of Course Completion

Cisco Networking Academy

## CCNA RS: Introduction to Networks

The student has successfully achieved student level credential for completing Introduction to Networks course administered by the Undersigned instructor. The Student was able to proficiently:

- Explain the Concept of Networks.
- Explain basic requirements for getting online.
- Build a simple home network.
- Create a partial LAN.
- Explain how client access internet.
- Explain how to use Cisco IOS.
- Build a simple computer network using Cisco devices.

**RAYALA DHANALAKSHMI**

Student

**MALLA REDDY ENGINEERING COLLEGE FOR WOMEN.**

Academy Name

**India**

Location

**23 Feb 2023**

Date

*Laura Quintana*  
Laura Quintana  
VP & General Manager, Cisco Networking Academy







INSTITUTE C++ Institute Authorized Academy Program

Program Your Future

Statement of Achievement

## CLA: Programming Essentials in C

During the Cisco Networking Academy® course, administered by the undersigned instructor, the student has studied the following skills:

*Laura Quintana*  
Laura Quintana  
VP & General Manager, Cisco Networking Academy

This Statement of Achievement is to acknowledge that during the course CLA: Programming Essentials in C, the student has been able to accomplish coding tasks related to the basics of programming, and understands the programming techniques, customs and vocabulary used in the C language.

By completing the course, the student is now ready to attempt the qualification CLA – C Programming Language Certified Associate Certification, from the C++ Institute.

**KUKKAPALLI GEETHIKA**

Student

**MALLA REDDY ENGINEERING COLLEGE FOR WOMEN.**

Academy Name

**India**

Location

**12 Mar 2023**

Date

**pavan kumar BVSP**

Instructor



Statement of Achievement

## PCAP: Programming Essentials in Python

The graduate of the *PCAP: Programming Essentials in Python* course, administered by the undersigned instructor, and provided by **Cisco Networking Academy®** in collaboration with **OpenEDG Python Institute**:

- knows the universal concepts of computer programming, including variables, data structures, algorithms, control flow, functions, and exceptions;
- can proficiently use the developer tools, the runtime environment, and the syntax and semantics of the Python language;
- can use fundamental programming techniques, best practices, customs, and vocabulary, including the most common standard library functions in Python 3;
- can write Python programs using standard language infrastructure, and knows the means by which to resolve typical implementation problems;
- knows how to work with modules and packages, process text and binary files, and use generators, iterators, and closures;
- understands the fundamentals of object-oriented programming (OOP) and the way they are adopted in Python.

**KANDULA VARSHINI**

Student

**MALLA REDDY ENGINEERING COLLEGE FOR  
WOMEN.**


Academy Name

**India**

Location

**28 Mar 2023**

Date

  
Laura Quintana  
VP & General Manager, Cisco Networking Academy

[www.netacad.com](http://www.netacad.com) | [www.pythoninstitute.org](http://www.pythoninstitute.org)



**Linux  
Professional  
Institute**

15 Apr 2023

Dear POCHU GAYATHRI,

Congratulations on successfully completing the NDG Linux Essentials course in the Cisco Networking Academy. By completing this course you are now prepared to earn the Linux Essentials Professional Development Certificate from the Linux Professional Institute (LPI).

Today's job market is competitive, but the rewards are worth it. With employers reporting they are paying salaries well above company norms, paying out bigger bonuses and offering flexible schedules, there has never been a better time to have strong Linux abilities. Verifying your skills with a professional certificate can be a great way to stand out from other candidates, by proving you have the technical abilities required for the job. Become a stronger prospect in the job market by pairing our certificate with other industry-recognized certifications such as Cisco Certified Network Associate (CCNA).

Obtaining the Linux Essentials Professional Development Certificate shows that you:

- Understand the Linux operating system
- Have demonstrated the ability to navigate a Linux system
- Can execute the power of the Linux command line
- Possess knowledge of Linux security and file permissions
- Have the motivation to advance your IT career

To help you accelerate your career we'd like to offer you 20% off of the Linux Essentials Professional Development Certificate today. To get started, visit:  
<https://www.lpi.org/netacadLE>

We hope you'll continue your Linux studies with the NDG Introduction to Linux I course. This course prepares you for the LPIC-1 101 Exam, the first of two towards the LPIC-1 Linux Server Professional certification from the Linux Professional Institute (LPI). The LPIC-1 certification will show you have the in-demand Linux skills that employers are seeking.

Again, congratulations and we wish you continued success!

Sincerely,

G. Matthew Rice  
Executive Director  
Linux Professional Institute

[www.lpi.org](http://www.lpi.org) | [info@lpi.org](mailto:info@lpi.org) | [@LPICconnect](https://twitter.com/LPICconnect)





coursera  
project  
network

PROJECT  
CERTIFICATE

Nov 21, 2022

Sanganabhatla Nithya

has successfully completed

Python for Data Visualization: Matplotlib &  
Seaborn

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera



Ryan Ahmed

Project Manager  
Coursera Project Network

Verify at:  
<https://coursera.org/verify/AKCS8M27YY9T>

Coursera has confirmed the identity of the person who completed this project.



project  
network

Jan 22, 2023

Shaik Shireen

has successfully completed

AWS S3 Basics

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera

*Samuel Koushik*

Samuel Koushik  
Cloud Solutions Architect  
Cloud Computing

<https://coursera.org/verify/L4>

Coursera has confirmed the identity of this individual  
participation



Nov 18, 2023

**Tagaram Preethi**

has successfully completed

**Introduction to Cybersecurity Tools & Cyber Attacks**

an online non-credit course authorized by IBM and offered through Coursera

**COURSE  
CERTIFICATE**



*Dr. Michael*

IBM Learning Services

<https://coursera.org/verify/0505H2A7>

Coursera has confirmed the identity of the individual(s) who participated in this course.



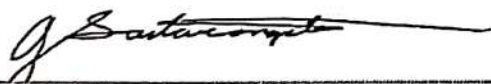
21-Nov-2022

Sanganabhatla Neha

has successfully completed

Exploratory Data Analysis for Machine Learning

an online non-credit course authorized by IBM Skills Network and offered through Coursera



Joseph Santacangelo  
Senior Data Scientist  
IBM



Svitlana Kumar  
Data Science Content Developer  
Skills Network

CERTIFICATE



Verify at:

<https://coursera.org/verify/92BTKZQEGROR>

Coursera has confirmed the identity of this individual and their participation in the course.





## Introduction to Cybersecurity

For completing the Cisco Networking Academy® Introduction to Cybersecurity course, and demonstrating the ability to explain the following:

- Global implications of cyber threats
- Ways in which networks are vulnerable to attack
- Impact of cyber-attacks on industries
- Cisco's approach to threat detection and defense
- Why cybersecurity is a growing profession
- Opportunities available for pursuing network security certifications

**BELDARI YASHASWINI**

Student

**MALLA REDDY ENGINEERING COLLEGE FOR WOMEN.**

Academy Name

**India**

Location

**17 Aug 2022**

Date

*Laura Quintana*

Laura Quintana  
VP & General Manager, Cisco Networking Academy

## Cybersecurity Essentials

For completing the Cisco Networking Academy® Cybersecurity Essentials course, and demonstrating the following abilities:

- Describe the tactics, techniques and procedures used by cyber criminals.
- Describe the principles of confidentiality, integrity, and availability as they relate to data states and cybersecurity countermeasures.
- Describe technologies, products and procedures used to protect confidentiality, ensure integrity and provide high availability.
- Explain how cybersecurity professionals use technologies, processes and procedures to defend all components of the network.
- Explain the purpose of laws related to cybersecurity.

**BOMMAKANTI MAMATHA 20RH1A0530**

Student

**MALLA REDDY ENGINEERING COLLEGE FOR WOMEN.**

Academy Name

India

Location

**17 Aug 2022**

Date

  
Laura Quintana  
General Manager, Cisco Networking Academy

Certificate of Course Completion

## Introduction to Packet Tracer

For completing the Cisco Networking Academy® Introduction to Packet Tracer course.

**CHAMAKURA SHRESHTA**

Student

**MALLA REDDY ENGINEERING COLLEGE FOR WOMEN.**

Academy Name

**India**

Location

**24 Aug 2022**

Date

*Laura Quintana*

Laura Quintana  
VP & General Manager, Cisco Networking Academy



Corporate  
Social  
Responsibility

Certificate of Course Completion

Cisco Networking Academy

## Networking Essentials

The student has successfully achieved student level credential for completing Networking Essentials course administered by the undersigned instructor. The student was able to proficiently:

- Explain the concept of network communication.
- Explain the basic requirements for getting online.
- Build a simple home network.
- Explain the importance of standards and protocols in network communications.
- Explain how communication occurs on Ethernet networks.
- Create a fully connected LAN.
- Explain the DHCP address assignment process.
- Explain the principles of IPv4 and IPv6 address management.
- Explain how clients access internet services.
- Explain the function of common application layer services.
- Configure an integrated wireless router and wireless client to connect securely to the internet.
- Connect wireless PC clients to a wireless router.
- Explain how to use security best practices to mitigate attacks.
- Configure basic network security.
- Explain how to use the Cisco IOS.
- Build a simple computer network using Cisco devices.

**CHEDIMALA SOUMIKA REDDY**

Student

**MALLA REDDY ENGINEERING COLLEGE FOR WOMEN.**

Academy Name

**India**

Location

**22 Aug 2022**

Date

*Laura Quintana*

Laura Quintana  
VP & General Manager, Cisco Networking Academy





University of Colorado  
Boulder | Colorado Springs | Denver | Anschutz Medical Campus

Oct 16, 2022

Dhanireddy Reddy

has successfully completed

Peer-to-Peer Protocols and Local Area Networks

an online non-credit course authorized by University of Colorado System and offered through Coursera

*Xiaobo Zhou*

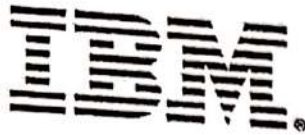
Xiaobo Zhou  
Professor, Interim Dean  
College of Engineering and Applied Sciences



Verify at:  
<https://coursera.org/verify/DTYKL3L38ML5>  
Coursera has confirmed the identity of this individual and their participation in the course.

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16 Oct. 2022

Eppalapally Harshitha

has successfully completed

Python for Data Science, AI & Development

an online non-credit course authorized by IBM Skills Network and offered through  
Coursera

Joseph Santarcangelo  
Senior Data Scientist  
IBM

COURSE  
CERTIFICATE



Verify  
<https://coursera.org/verify/RYBBUY7R>  
Coursera has confirmed the identity of this individual's  
participation in this



# UC San Diego

Nov 23, 2022

## Datrika Divyasri

has successfully completed

### Machine Learning With Big Data

an online non-credit course authorized by University of California San Diego and offered through Coursera

*Paul Rodriguez, Natasha Balas, Mai Nguyen and Ukey Altintas*

Paul Rodriguez, Natasha Balas, Mai Nguyen and Ukey Altintas  
San Diego Supercomputer Center

## COURSE CERTIFICATE



Verify at:  
<https://coursera.org/verify/JC9FWBTJM8G3>

Coursera has confirmed the identity of this individual and their participation in the course

# INFOSEC™

Nov 19, 2022

Chidrawar Vaishnavi

has successfully completed

Advanced Python - Reconnaissance

an online non-credit course authorized by Infosec and offered through Coursera



Howard Poston  
Security Trainer and Content Creator  
Infosec

COURSE  
CERTIFICATE



Verify at:  
<https://coursera.org/verify/NU5SEXHYRM44>  
Coursera has confirmed the identity of this individual and their participation in the course.



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# UC San Diego

Nov 18, 2022

bandla ruchitha

has successfully completed

Internet of Things: Communication Technologies

an online non-credit course authorized by University of California San Diego and offered through Coursera

COURSE  
CERTIFICATE



Ganesh Chockalingam  
Qualcomm Institute of Calitz

Hari Garudadi  
Qualcomm Institute

Verify at:  
<https://coursera.org/verify/SJPNDTMVA65Q>

Coursera has confirmed the identity of this individual and their participation in the course.



University of Colorado  
Boulder

COURSE  
CERTIFICATE

Nov 17, 2022

bandla ruchitha

has successfully completed

Sensors and Sensor Circuit Design

an online non-credit course authorized by University of Colorado Boulder and offered  
through Coursera



*James Zweighaft Jay Mendelson*

James Zweighaft  
Instructor  
Electrical, Computer, & Energy Engineering  
University of Colorado Boulder

Jay Mendelson  
Instructor  
Electrical, Computer, & Energy Engineering  
University of Colorado Boulder

Verify at:  
<https://coursera.org/verify/BHXNPDQYM6LX>  
Coursera has confirmed the identity of this individual and their  
participation in the course.



Nov 21, 2022

Chidrawar Vaishnavi

has successfully completed

Command Line Basics in Linux

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera

*Edward Falzon*

Edward Falzon  
Unity Instructor  
Coursera Project Network

PROJECT  
CERTIFICATE



Verify at:  
<https://coursera.org/verify/ZXT6GLZCE9II>  
Coursera has confirmed the identity of this individual and their  
participation in the project.



YONSEI  
UNIVERSITY

Nov 19, 2022

animreddy haripriya

has successfully completed

IoT (Internet of Things) Wireless & Cloud  
Computing Emerging Technologies

an online non-credit course authorized by Yonsei University and offered through  
Coursera

Jang-Moon Chung  
Professor, School of Electrical & Electronic Engineering  
Director, Communications & Networking Laboratory

COURSE  
CERTIFICATE



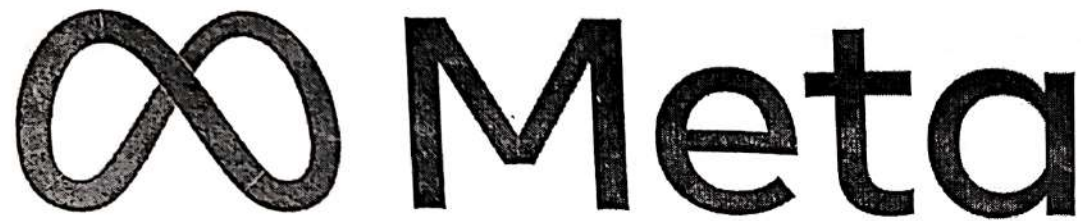
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<https://coursera.org/verify/RAIWBSWXVM73>

Coursera has confirmed the identity of this individual and their  
participation in the course.



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Nov 21, 2022

bandla ruchitha

has successfully completed

Introduction to Android Mobile Application  
Development

an online non-credit course authorized by Meta and offered through Coursera



COURSE  
CERTIFICATE



Verify at:  
<https://coursera.org/verify/DIQACI4HDNSD>  
Coursera has confirmed the identity of this individual and their  
participation in the course.



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**coursera**  
project  
network

Nov 19, 2022

**Chidrawar Vaishnavi**

has successfully completed

**Introduction to Networks and Cisco Devices**

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera

*Mohammed Wed*

Mohammed Al M.  
Information Technology Instructor

PROJECT  
CERTIFICATE



Verify at:  
<https://coursera.org/verify/88LYZ7D2VY3H>

Coursera has confirmed the identity of this individual and their  
participation in the project.



Jan 22, 2023

bandla ruchitha

has successfully completed

Build Your Portfolio Website with HTML and CSS

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera

*Harrison Kong*

Harrison Kong  
Subject Matter Expert / Instructor  
Coursera Project Network



Verify at:  
<https://coursera.org/verify/CIEDJK9TFV3G>  
Coursera has confirmed the identity of this individual and their  
participation in the project



NYU

TANDON SCHOOL  
OF ENGINEERING

COURSE  
CERTIFICATE

Jan 21, 2023

bandla ruchitha

has successfully completed

Introduction to Cyber Attacks

an online non-credit course authorized by New York University and offered through  
Coursera

*Edward G. Amoroso*

Dr. Edward G. Amoroso  
Research Professor, NYU and CEO, TAG Cyber LLC  
Computer Science



Verify at:  
<https://coursera.org/verify/7GUVGSTNRGNH>

Coursera has confirmed the identity of this individual and their  
participation in the course.



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Jan 22, 2023

Kancheti Gouri

has successfully completed

AI For Everyone

an online non-credit course authorized by DeepLearning.AI and offered through Coursera



Andrew Ng  
Founder, DeepLearning.AI  
Co-founder, Coursera

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<https://coursera.org/verify/MHUYRJEUMY2X>  
Coursera has confirmed the identity of this individual and their participation in the course.



Jan 22, 2023

Eppalapally Harshitha

has successfully completed

Introduction to Cloud Computing

an online non-credit course authorized by IBM Skills Network and offered through  
Coursera

Raj Arora  
Global Program Director  
Skills Network

COURSE  
CERTIFICATE



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<https://coursera.org/verify/ZRPAXGKMDCAx>

Coursera has confirmed the identity of this individual and their  
participation in the course.



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Jan 22, 2023

**Sai Pranaya Gajula**

has successfully completed

**Relational database systems**

an online non-credit course authorized by Universidad Nacional Autónoma de México  
and offered through Coursera

María del Pilar Angeles  
Full-time professor at the Department of Computer Engineering  
National Autonomous University of Mexico

**COURSE  
CERTIFICATE**



[coursera.org/verify/QB](https://coursera.org/verify/QB)

Coursera has confirmed the identity of this individual participant

Este certificado acredita 15 horas de dedicación.



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# UC DAVIS

COURSE  
CERTIFICATE

Jan 22, 2023

Eppalapally Harshitha

has successfully completed

Data Visualization with Tableau Project

an online non-credit course authorized by University of California, Davis and offered  
through Coursera



*Sukhvir S Brar*

Sukhvir S. Brar, M.B.A.  
Lead Business Consultant, Blue Shield of California  
University of California, Davis Extension

Hunter Whitney

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<https://coursera.org/verify/AU3PZRZXQGKS>  
Coursera has confirmed the identity of this individual and their  
participation in the course.



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The State University  
of New York

Jan 22, 2023

Eppalapally Harshitha

has successfully completed

Blockchain Basics

an online non-credit course authorized by University at Buffalo, The State University of  
New York and offered through Coursera

Bina Ramamurthy  
Teaching Professor  
Computer Science and Engineering

COURSE  
CERTIFICATE



Verify at:  
<https://coursera.org/verify/Z2VPEJYMWQMW>  
Coursera has confirmed the identity of this individual and the



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# UNIVERSITY OF MICHIGAN

COURSE  
CERTIFICATE

Jan 22, 2023

Eppalapally Harshitha

has successfully completed

Programming for Everybody (Getting Started with  
Python)

an online non-credit course authorized by University of Michigan and offered through  
Coursera



Charles Severance  
Clinical Professor, School of Information  
University of Michigan

Verify at:  
<https://coursera.org/verify/HPVK3KPE7L2U>

Coursera has confirmed the identity of this individual and their  
participation in the course.





Jan 22, 2023

Edunuri Angela Rani

has successfully completed

DevOps on AWS: Code, Build, and Test

an online non-credit course authorized by Amazon Web Services and offered through  
Coursera

*Rafael Lopes* *Russell Sagers*

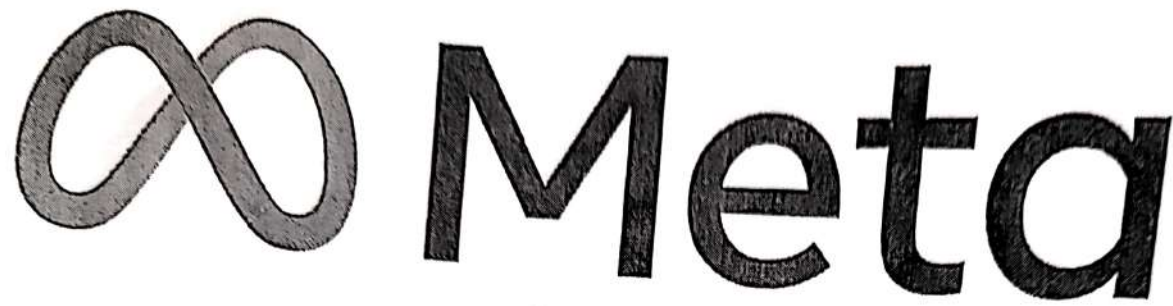
Amazon Web Services Training Team

COURSE  
CERTIFICATE



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<https://coursera.org/verify/GLS7K8MAGGCW>  
Coursera has confirmed the identity of this individual and their  
participation in the course.

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COURSE  
CERTIFICATE

Jan 23, 2023

Eppalapally Harshitha

has successfully completed

The Full Stack

an online non-credit course authorized by Meta and offered through Coursera



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<https://coursera.org/verify/T6ACYKRULWPZ>  
Coursera has confirmed the identity of this individual and their participation in ..



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अंतरिक्ष विभाग / DEPARTMENT OF SPACE  
भारत सरकार / GOVERNMENT OF INDIA  
भारतीय अंतरिक्ष अनुसंधान संगठन / INDIAN SPACE RESEARCH ORGANISATION  
भारतीय सुदूर संवेदन संस्थान, देहरादून / INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN

नार्मांकन सं. / Enrolment No. : 20231

# CERTIFICATE OF PARTICIPATION IN ONLINE COURSE

यह प्रमाणपत्र

MS. SANJANA SINGH

को "उन्नत सुदूर संवेदन तकनीकों के भूवैज्ञानिक अनुप्रयोग"  
में ऑनलाइन पाठ्यक्रम में भाग लेने पर प्रदान किया जाता है।

पाठ्यक्रम का आयोजन 13 मार्च, 2023 से 24 मार्च, 2023 (कुल पाठ्यक्रम की अवधि = 15 घंटे) के दौरान किया गया।  
(संबन्धित आई.आई.आर.एस नोडल केंद्र: मल्ला रेड्डी महिला इंजीनियरिंग कॉलेज (युजीसी-ऑटोनोमस))

THIS CERTIFICATE IS

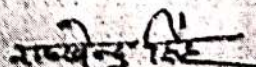
AWARDED TO

MS. SANJANA SINGH

ON HAVING PARTICIPATED IN THE ONLINE COURSE ON

"Advances in Remote Sensing Techniques for Geological Applications"  
COURSE WAS CONDUCTED DURING 13-03-2023 to 24-03-2023 (Total course duration was = 15 hours)  
Awarded IIRS Nodal Centre- MALLA REDDY ENGINEERING COLLEGE FOR WOMEN(UGC -AUTONOMOUS))

  
समन्वयक, विश्वविद्यालय/संस्थान  
Coordinator, University/Institution

  
निदेशक / Director  
आई.आई.आर.एस, देहरादून / IIRS, Dehradun

3bed4374bd8e7c. This Certificate can be validated using URL- <https://certificate.iirs.gov.in>