



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
 Maisammaguda, Dhulapally, Secunderabad 500100.

AY 2021-22

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	Cisco CCNA RS introduction to networks through Cisco Networking Academy	Cisco Networking Academy Platform	831	831
2	Cisco Programming essentials in C through Cisco Networking Academy	Cisco Networking Academy Platform	990	940
3	CISCO Python Certification through Cisco Networking Academy	Cisco Networking Academy Platform	780	780
4	Cisco Linux Certification through Cisco Networking Academy	Cisco Networking Academy Platform	588	588
5	Introduction to Cyber Security	Cisco Networking Academy Platform	580	580
6	Cyber Security Essentials	Cisco Networking Academy Platform	580	580
7	Introduction of Packet Tracer	Cisco Networking Academy Platform	580	580
8	Networking Essentials	Cisco Networking Academy Platform	791	791
9	Cisco Introduction to IoT through Cisco Networking Academy	Cisco Networking Academy Platform	65	65
10	Cambridge Certification on ENGLISH Empower	University of Cambridge	996	950
11	Pearson Certification (LSWR Skills)	Pearson-Me Pro	504	504

Total Number of Value-Added Courses	No of Students Enrolled	No of Students Completed
11	7285	7189



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Maisammaguda, Dhulapally, Secunderabad 500100.

Ref: MRECW/S_M/2021-22/VAC/01

Date: 08-06-2021

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 15-06-2021 to 20-06-2021. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **13-06-2021**. The detailed schedule and the syllabus will be displayed on the department notice board.

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Syllabus on

“Cisco CCNA RS Introduction to Networks”

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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“Cisco CCNA RS Introduction to Networks”

Enrolled/Attended Details

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
“Cisco CCNA RS Introduction to Networks ”	831	831


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Ref: MRECW/S_M/2021-22/VAC/02

Date: 03-07-2021

CIRCULAR

This is to inform that we are arranging value added course for all I year students to enhance their qualities on “Cisco Programming Essentials in C++” through Cisco Networking Academy Platform from 12-07-2021 to 17-07-2021. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **10-07-2021**. The detailed schedule and the syllabus will be displayed on the department notice board.

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Syllabus on

“Cisco 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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“Cisco Programming Essentials in C++”

Enrolled/Attended Details

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
“Cisco Programming Essentials in C++”	990	940


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Ref: MRECW/S_M/2021-22/VAC/03

Date: 13-08-2021

CIRCULAR

This is to inform that we are arranging value added course for all III year students to enhance their qualities on “**Cisco Linux Certification**” through Cisco Networking Academy Platform from 23-08-2021 to 28-08-2021. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **21-08-2021**. 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 enrol 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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Ref: MRECW/S_M/2021-22/VAC/04

Date: 10-09-2021

CIRCULAR

This is to inform that we are arranging value added course for all III year students to enhance their qualities on “Introduction to Cyber Security” through Cisco Networking Academy Platform from 16-09-2021 to 21-09-2021. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **14-09-2021**. The detailed schedule and the syllabus will be displayed on the department notice board.

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Syllabus on

“Introduction to Cyber Security”

ABOUT: Cyber security pertains to the protection of valuable data—such as social security numbers, business transaction logs, and stored infrastructure data. Information security, meanwhile, protects digital traffic.

OUTCOME's:

- Detect attack methodology and combat hackers from intrusion or other suspicious attempts at connection to gain unauthorized access to a computer and its resources.
- Protect data and respond to threats that occur over the Internet.
- Design and implement risk analysis, security policies, and damage assessment.

MODULE INFO:

This module covers four broad topic areas: programming, operating systems, encryption and networks. These topics will be taught in the context of Cyber Security. This module prepares the ground for other more tightly- focused modules covering closely related topics. The programming topic will move rapidly through procedural programming concepts, C programming practice, debugging, and the relationship between source and executable code. The operating systems topic will focus on non-volatile storage, memory, processes and to a lesser extent scheduling. The intention here is to give students an adequate mental model of what the operating system does against which other cyber security concepts can be explained and understood. The encryption topic will cover symmetric and asymmetric ciphers as well as the role of secure hashes for integrity checking. The networks topic will focus on the transport layer but also cover the supporting network and link layers.

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“Introduction to Cyber Security”

Enrolled/Attended Details

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
“Introduction to Cyber Security”	580	580


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Ref: MRECW/S_M/2021-22/VAC/05

Date: 04-10-2021

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 13-10-2021 to 19-10-2021. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **11-10-2021**. 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”	791	791


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Ref: MRECW/S_M/2021-22/VAC/06

Date: 08-11-2021

CIRCULAR

We are Happy to inform that we are arranging Pearson Certification for all the I years on “LSWR (Listening, Speaking, Writing and Reading)” programme from 15-11-2021 to 21-11-2021. All the Students are advised to enrol for the value-added course on or before **13-11-2021**.

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Syllabus on

“LSWR (Listening, Speaking, Writing and Reading)”

ABOUT:

Individuals need to express themselves to feel understood and to express themselves they need to have strong LSRW skills. LSRW skills not only contribute to understanding oneself but also help in critical thinking, problem-solving, and building relationships.

OUTCOME's:

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

All six levels of proficiency (A1, 1, 2, 3, 4 and 5) are designed to assess and accredit general English language ability. The levels are linked to the Common European Framework of Reference for Languages (CEFR) and accredited by Ofqual in the UK.

MODULE INFO:

“The Global Scale of English represents the most significant advance in performance-based approaches to language learning, teaching and assessment since the development of the Common European Framework of Reference.” David Nunan Ph.D., Professor Emeritus of Applied Linguistics, University of Hong Kong.


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“LSWR(Listening, Speaking, Writing and Reading)”

Enrolled/Attended Details

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
“LSWR(Listening, Speaking, Writing and Reading)”	504	504


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Ref: MRECW/S_M/2021-22/VAC/07

Date: 04-12-2021

CIRCULAR

This is to inform that we are arranging value added course to enhance their qualities on “Cyber Security Essentials” through Cisco Networking Academy Platform from 13-12-2021 to 18-12-2021. All the Students are advised to enrol for the value-added course do get benefitted at their respective Head of the Department office on or before **11-12-2021**. The detailed schedule and the syllabus will be displayed on the department notice board.

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Syllabus on

“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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“Cyber Security Essentials”

Enrolled/Attended Details

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
“Cyber Security Essentials”	580	580


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Ref: MRECW/S_M/2021-22/VAC/08

Date: 03-01-2022

CIRCULAR

This is to inform that we are arranging value added course for all III year students to enhance their qualities on “Cisco Python Certification” through Cisco Networking Academy Platform from 16-01-2022 to 21-01-2022. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **11-01-2022**. The detailed schedule and the syllabus will be displayed on the department notice board.

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Syllabus on

“CISCO Python”

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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“CISCO Python Certification through Cisco Networking Academy”

Enrolled/Attended Details

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
“CISCO Python Certification through Cisco Networking Academy”	780	780

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Ref: MRECW/S_M/2021-22/VAC/09

Date: 08-02-2022

CIRCULAR

This is to inform that we are arranging value added course for all III year students to enhance their qualities on “**Cisco Introduction to IoT**” through Cisco Networking Academy Platform from 16-02-2022 to 21-02-2022. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **13-02-2022**. The detailed schedule and the syllabus will be displayed on the department notice board.

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

Maisammaguda, Dhulapally, Secunderabad 500100.

Syllabus on

“Introduction of IOT”

ABOUT: “The Internet of Things (IoT) is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction.”

OUTCOME's:

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

- IoT Connectivity Platforms. An IoT Connectivity Platform is used to manage and monitor the communication protocols that connect devices across WiFi, bluetooth, and mobile internet.
- IoT Device Management Platforms.
- IoT Application Enablement Platforms.
- IoT Analytics Platforms.

MODULE INFO:

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.


PRINCIPAL

Malla Reddy Engineering College for Women
UGC AUTONOMOUS INSTITUTION
Maisammaguda, Dhulapally (Post)
(Via) Kompally, Secunderabad-500 100



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Maisammaguda, Dhulapally, Secunderabad 500100.

“Cisco Introduction to IoT Certification through Cisco Networking Academy”

Enrolled/Attended Details

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
“ Cisco Introduction to IoT Certification through Cisco Networking Academy ”	65	65

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Maisammaguda, Dhulapally, Secunderabad 500100.

Ref: MRECW/S_M/2021-22/VAC/10

Date: 15-02-2022

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 21-02-2022 to 26-02-2022. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **19-02-2022**. The detailed schedule and the syllabus will be displayed on the department notice board.

Copy to:

Notice Boards

All Heads of the Departments

Administrative Department

IQAC


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UGC AUTONOMOUS INSTITUTION
Maisammaguda, Dhulapally (Post)
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Maisammaguda, Dhulapally, Secunderabad 500100.

Ref: MRECW/S_M/2021-22/VAC/11

Date: 04-03-2022

CIRCULAR

We are Happy to inform that we are arranging CAMBRIDGE Certification for all the I year students on “ENGLISH Empower” programme from 15-03-2022 to 20-03-2022. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before 12-03-2022. The detailed schedule and the syllabus will be displayed on the department notice board.

Copy to:

Notice Boards

All Heads of the Departments

Administrative Department

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Maisammaguda, Dhulapally, Secunderabad 500100.

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.


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(Via) Kompally, Secunderabad-500 100

Certificate of Course Completion

Introduction to Packet Tracer

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

GEEKURU AKSHAYA

Student

MALLA REDDY ENGINEERING COLLEGE FOR WOMEN.

Academy Name

India

Location

5 Mar 2022

Date


Laura Quintana
VP & General Manager, 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.

PAKKI SREEKALA

Student

MALLA REDDY ENGINEERING COLLEGE FOR WOMEN.

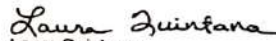
Academy Name

India

Location

25 Jun 2021

Date


Laura Quintana
VP & General Manager, Cisco Networking Academy



CPA: Programming Essentials in C++

During the Cisco Networking Academy® self-paced course, 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 **CPA: Programming Essentials in C++**, the student has been able to accomplish coding tasks related to the basics of programming in the C++ language, and understands the fundamental notions and techniques used in object-oriented programming.

By completing the course, the student is now ready to attempt the qualification **CPA – C++ Certified Associate Programmer Certification**, from the C++ Institute.

Maciej Wichary

Maciej Wichary
VP - OpenEDG C++ Institute

PRANITHA PAWAR

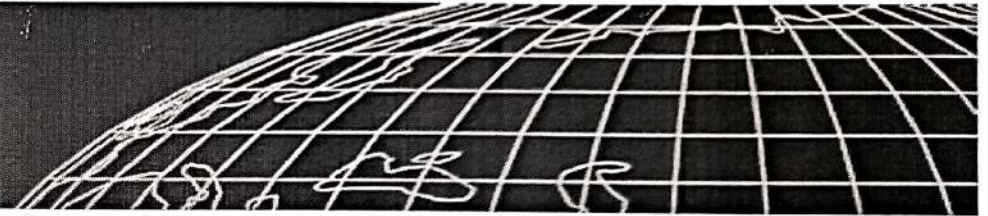
Student

24 July 2021

Date



**Linux
Professional
Institute**



11 Sep 2021

Dear KANDAGATLA AMULYA,

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 a 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,

A handwritten signature in black ink, appearing to read 'G. Matthew Rice'.

G. Matthew Rice
Executive Director
Linux Professional Institute

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

Certificate of Course Completion

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

MANDALA JYOTHIKA

Student

MALLA REDDY ENGINEERING COLLEGE FOR WOMEN.

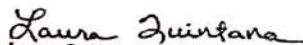
Academy Name

India

Location

28 Sep 2021

Date


Laura Quintana
VP & General Manager, Cisco Networking Academy



Corporate
Social
Responsibility

Cisco Networking Academy

Certificate of Course Completion

Networking Essentials

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 network communication.
- Explain basic requirements for getting online.
- Build a simple home network.
- Explain the importance of standards and protocol in network communications.
- Explain how to use Cisco IOS.
- Build a simple computer network using Cisco devices.
- Explain the DHCP address assignment process.
- Explain the principles of IPv4 and IPv6 address management.

VEMULA ASHRITHA

Student

MALLA REDDY ENGINEERING COLLEGE FOR WOMEN.

Academy Name

India

23 Oct 2021

Location

Date

Laura Quintana

Laura Quintana
VP & General Manager, Cisco Networking Academy



**From the makers of
PTE &
World's first global
English standard - GSE**

This is to certify that

Jarupula Shailu

has successfully completed MePro Level 4



Pearson
Pearson
MePro

26/02/2022

Date

Principal

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.

KORIVI INDU

Student

MALLA REDDY ENGINEERING COLLEGE FOR WOMEN.

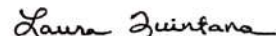
Academy Name

India

Location

28 Dec 2021

Date



Laura Quintana
VP & General Manager, Cisco Networking Academy

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.

NALLA NAVYA

Student

**MALLA REDDY ENGINEERING COLLEGE FOR
WOMEN.**

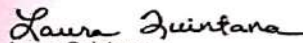
Academy Name

India

28 Jan 2022

Location

Date


Laura Quintana
VP & General Manager, Cisco Networking Academy

www.netacad.com | www.pythoninstitute.org

Introduction to IoT

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

- Explain how IoT and Digital Transformation are positively impacting businesses and governments.
- Explain the importance of software and data for digital businesses and society.
- Explain the benefits of automation and artificial intelligence for digital transformation.
- Explain the concepts of Intent Based Networking.
- Explain the need for enhanced security in the digitized world.

PANJALA NIKHITHA

Student

NASSCOM FutureSkills

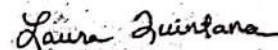
Academy Name

India

Location

29 Mar 2022

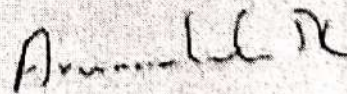
Date


Laura Quintana
VP & General Manager, Cisco Networking Academy

EEE

Certificate of Completion

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



.....
Arunachalam Thinnayam Krishnamurthy
Business Head – HE&A
Cambridge University Press & Assessment