MALLA REDDY ENGINEERING COLLEGE FOR WOMEN

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Maisammaguda, Dhulapally, Secunderabad 500100.

AY 2018-19

S.No	Name of the Value-Added Course	Mode of the Course- offered by the HEI or Online	Number of students enrolled in the year	Number of Students completing the course in the year
1	"Hello Bot: Introduction to RPA".	Automation Anywhere Platform	330	305
2	Introduction to Cloud Computing	IBM-Coursera Platform	340	319
3	Introduction and Programing with IoT Boards	Pohang University of Science and Technology-Coursera Platform	665	660
4	Cisco CCNA RS introduction to networks through Cisco Networking Academy	Cisco Networking Academy Platform	319	315
5	C FOR EVERYONE: Structured Programming	University of California, Santa Cruz-Coursera Platform	146	145
6	Cisco Programming essentials in C through Cisco Networking Academy	Cisco Networking Academy Platform	600	595
7	Cisco CCNA Exploration: Routing Protocols and Concepts	Cisco Networking Academy Platform	624	605
8	Cisco Linux Certification through Cisco Networking Academy	Cisco Networking Academy Platform	654	610

Total Number of Value-Added Courses	No of Students Enrolled	No of Students Completed
8	3678	3554

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Ref: MRECW/S_M/2018-19/VAC/01   Date: 06-08-2018

CIRCULAR

We are Happy to inform that we are arranging Value added Course on **"Hello Bot: Introduction to RPA"** through Automation Anywhere Platform from 20-08-2018 to 27-08-2018. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **15-08-2018**. The detailed schedule and the syllabus will be displayed on the department notice board.

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Syllabus on

"Hello Bot: Introduction to RPA"

ABOUT:

Robotic process automation (RPA), also known as software robotics, uses automation technologies to mimic back-office tasks of human workers, such as extracting data, filling in forms, moving files, et cetera. These tasks are rule-based and usually done manually, so RPA serves the goal of automating operations.

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:

Robotic process automation (RPA) is a software technology that makes it easy to build, deploy, and manage software robots that emulate humans actions interacting with digital systems and software. Just like people, software robots can do things like understand what's on a screen, complete the right keystrokes, navigate systems, identify and extract data, and perform a wide range of defined actions. But software robots can do it faster and more consistently than people, without the need to get up and stretch or take a coffee break.

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"Hello Bot: Introduction to RPA"

Enrolled/Attended Details

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
"Hello Bot: Introduction to RPA"	330	305

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Ref: MRECW/S_M/2018-19/VAC/02   Date: 25-08-2018

CIRCULAR

We are Happy to inform that Coursera Platform has activated value added course on **"Introduction to Cloud Computing"**. 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

"Introduction to Cloud Computing"

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

OUTCOME's:

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

- Define cloud computing and explain essential characteristics, history, the business case for cloud, and the emerging technologies enabled by cloud
- Explain emerging Cloud related trends including Hybrid Multi cloud, Microservices, Serverless, Cloud Native, DevOps, and Application Modernization
- Describe the cloud service models- IaaS, PaaS, SaaS, and cloud deployment models- Public, Private, Hybrid; explain cloud infrastructure components
- List and describe services of popular cloud platforms including AWS, Microsoft Azure, Google Cloud, IBM Cloud, Alibaba Cloud, and others

MODULE INFO:

Start your cloud computing journey with this self-paced introductory course! Whether you need general cloud computing knowledge for school or business, or you are considering a career change, this beginner-friendly course is right for you. In this course you'll learn about essential characteristics of cloud computing and emerging technologies supported by cloud. You'll explore cloud service models, including Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS), and Public, Private, and Hybrid deployment models.

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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
"Introduction to Cloud Computing"	340	319

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Ref: MRECW/S_M/2018-19/VAC/03   Date: 17-10-2018

CIRCULAR

We are Happy to inform that Coursera Platform has activated value added course on **"Introduction and Programming with IoT Boards"** All II, III year 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 and Programming with IoT Boards"

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 enrol 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 and Programming with IoT Boards"

Enrolled/Attended Details

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
"Introduction and Programming with IoT Boards"	665	660

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Ref: MRECW/S_M/2018-19/VAC/04   **Date: 24-10-2018**

CIRCULAR

We are Happy to inform that we are arranging Value added Course on **"Cisco CCNA RS Introduction to Networks"** through Cisco Networking Academy Platform from 04-11-2018 to 10-11-2018. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **28-11-2018**. 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

"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 "	319	315

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Ref: MRECW/S_M/2018-19/VAC/05   Date: 10-12-2018

CIRCULAR

We are Happy to inform that Coursera Platform has activated value added course on **"C FOR EVERYONE: Structured Programming"**. 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

"C FOR EVERYONE: Structured Programming"

ABOUT: This Coursera Certification provides The C language is particularly well suited as an introduction to coding: It's a tried-and-true language, and it allows you to understand computing processes at a deep level. You will also get an introduction to more advanced programming in C in the final module. The module allocated 35 hours of time to complete the certification.

OUTCOME's: This course is part of the Coding for Everyone: C and C++ Specialization

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 the new world we live in, coding is a universally valuable skill, whether you're a scientist, artist, or a humanist. Algorithms are everywhere, and we all have to understand how they work. The C language is particularly well suited as an introduction to coding: It's a tried-and-true language, and it allows you to understand computing processes at a deep level. You will also get an introduction to more advanced programming in C++ in the final module.

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"C FOR EVERYONE: Structured Programming"

Enrolled/Attended Details

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
"C FOR EVERYONE: Structured Programming"	146	145

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Ref: MRECW/S_M/2018-19/VAC/06   Date: 26-12-2018

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 02-01-2019 to 07-01-2019. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **30-12-2018**. 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"	600	595

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Ref: MRECW/S_M/2018-19/VAC/07   **Date: 02-02-2019**

CIRCULAR

We are Happy to inform that we are arranging Value added Course on **"Cisco CCNA: Routing and Switching"** through Cisco Networking Academy Platform from 12-02-2019 to 17-02-2019. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **08-02-2019**. The detailed schedule and the syllabus will be displayed on the department notice board.

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Syllabus on

"Cisco CCNA: Routing and Switching"

ABOUT: This CISCO CCNA begin preparing for a networking career with this introduction to how routing and switching 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 enroll 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 routing and switching technologies allows your staff, even those located in different locations, to have equal access to all your business applications, information and tools. Keeping everyone connected to the same tools can increase employee productivity. Routing and switching also can provide access to advanced applications and enable services, such as IP voice, videoconferencing and wireless networks.

"Cisco CCNA: Routing and Switching"

Enrolled/Attended Details

Name of the Value-Added Course	No of Students Enrolled	No of Student Completed
"Cisco CCNA: Routing and Switching"	624	605

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Ref: MRECW/S_M/2018-19/VAC/08   Date: 09-03-2019

CIRCULAR

We are Happy to inform that we are arranging Value added Course on **"Cisco Linux Certification"** through Cisco Networking Academy Platform from 16-03-2019 to 21-03-2019. All the Students are advised to enrol for the value-added course at their respective Head of the Department office on or before **14-03-2019**. 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
"Cisco Linux Certification"	654	610

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