MALLA REDDY ENGINEERING COLLEGE FOR WOMEN

**(Autonomous Institution-UGC, Govt. of India**)

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

Maisammaguda,Dhulapally,Kompally,Secunderabad,-500100.

**7.3 Institutional Distinctiveness**

**7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust**

**Skill Development Programs for Placements**

The workforce is always on the lookout for students who are bright, vivacious, willing to take on new challenges, focused, quick learners, and, most importantly, receptive to learning even in the workplace. These days, industries adopt distinctive hiring practices to ensure that those hired will fulfil its prerequisites. The Training & Placement Cell understands that these methods through engaging with the business community and equipping students with them. Our Training & Placement Cell is special in that it makes sure that the hiring procedure is a fruitful journey for the MRECW students. It places a strong focus on pre-placement instruction, both technical and non-technical, that will prepare students to succeed at recruitment and interview procedures. The Training and placement cell focus on various skill development programs for personality development of students.

Malla Reddy Engineering College for Women is always forefront to improve the skillset of the students. Our aim is to

1. To provide training in various trades that are in high demand in market and have good job prospects.
2. Timed programming tests, so as to serve as a mock test for the actual placement process and meter the student skill set.
3. Maximizing their potentialities and boosting self-confidence.
4. To ensure overall development of students and scholars with the help and support of appropriate skilling mechanisms/methods and modes.
5. To enhance the ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
6. To provide an opportunity to students to practice the concepts learnt in a classroom, in real-time situations/company/organisation/industry in both virtually and physically means.
7. To enhance the IQ levels of the students with aptitude practice related training.
8. Seminars gives the students an intensive exposure on a topic trough the presentations and discussions which enhances soft skills before entering into the industry.
9. To inculcate practical knowledge in Computer Networking and Operating systems with the help of CISCO Certifications.

* **Employability Skills Enhancement Training Programmes**

1. Soft Skills Training
2. Technical Training
3. Programming Skills Training - C, Data Structures, Java & Python
4. Foreign Language Training
5. Verbal Training
6. Aptitude Training

* **CRT Online Assessment Tests**
* I B.Tech - Coding practice through Code Tantra, Weekly online Assessment tests
* II B.Tech - Coding practice through Code Tantra & Reference Globe, Weekly online Assessment tests
* III B.Tech - Coding practice through Code Tantra & Reference Globe, Weekly online Assessment tests, daily online Assessment tests during last one month
* IV B.Tech - Coding practice through Code Tantra & Reference Globe, daily online Assessment tests
* **Value Added Certification Training Programmes Through Centres**

1. CISCO C, CISCO Linux & CISCO Networking Certification through CISCO Networking Academy-established in the year 2012.
2. Oracle Certification through Oracle as Oracle Academic Partner since the year 2012.
3. Robotics Certification Training Programme - Modules I-V, through Robotics Centre of Excellence-established in the year 2017.
4. IBM Cognitive Certifications-Python, Data Science and AI/ML.
5. TCS ION Technical Certifications.
6. Coursera Certifications in C, Python, Data Structures, Algorithms, Cloud Computing, Artificial Intelligence, Machine Learning, Data Science, Blockchain Technologies, HTML, SQL, Cyber Security, IOT etc.

* **Value Added Professional English Certification Training Programmes**

1. Oxford Achievers Certification through Oxford University Press, India since 2018 for communication skills development.
2. Pearson Certification through Pearson MePro.
3. Business English Certification(BEC) through Cambridge University, London, U.K.
4. TCS ION Soft Skills & Communication Skills Certifications.
5. Cambridge Language and Soft Skills Certifications.
6. Coursera certifications

* **Project Based Training Programmes**

From I to IV year B.Tech on C,DATA STRUCTURES,POYTHON, JAVA, DBMS, OS,Web Designing, PCB Designing, Robotics, Solar Energy Systems and MAT LAB, INNOVATIVE PRODUCT DEVELOPMENT.

* **Finishing School Concepts**

To meet the requirements of the industry and to be on par with Technological Advancements, Finishing Schools are organized for IV year on Latest Technologies like Robotics, Internet of Things, Block Chain, Embedded Systems, R Programming, Big Data Analysis, Network Security, Cloud Computing, SIM Power Systems, Power Electronics, Power Semi-Conductor Drives, Entrepreneurial Skills Development Programmes, Idea Presentation, Hackathons for Start-ups’, National/International Competitions participation, Guest Lectures, Workshops, Business Plan Competitions, Global Education and Career Counselling Centre, To guide students on higher education and job opportunities in India and Abroad.

The companies which generally visit our campus includes Accenture, Wipro, Cognizant, Flipkart, IBM, Virtusa, CISCO, Zensar, Capgemini, Dell Technology, Mind tree, Deloitte, DXC Technology, Epam, HCL Technology, Hitachi, L&T Technology Sciences, Lowes India, Mentor Graphics, Publics Sapient, Tejas Networks, Tiger Analytics, Value Momentum, DBS, E2open, Prolifics, TCS ( Digital), Dupont, Tech Mahindra, Acolite, Hexaware and PWC.

The hard work done by faculty and students resulted in the following achievements in the organization.

* Many students secured jobs through campus placements.
* Students got admissions for higher studies in top universities in the world.
* Few of the students became entrepreneurs and turned out to be job providers.
* Some of the students got lead positions in Multinational and National corporate companies

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**List of Skill Development Programmes conducted for Students**

**(A.Y 2022-2023)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **Name of the program** | **Date of implementation (DD-MM-YYYY)** | **Number of students enrolled** | **Name of the agencies/experts involved** |
| 1 | Full Stack Training | 20-03-2023 TO 16-04-2023 | 900 | Virtusa Pvt.Ltd |
| 2 | Verbal Training | 13-03-2023 TO 29-03-2023 | 420 | Face institution |
| 3 | MeitY DIA G20 Workshop | 27.03.2023 | 300 | Dr. Zahoorullah S MD, Advisor and Consultant, AIC ALEAP WE Hub |
| 4 | Kavach: Intra College Hackathon | 20.03.2023 | 200 | Mr.M.Dattatreya Goud CEO, Dcode Soft Tech Solutions Hyderabad |
| 5 | Java Training | 13-03-2023 TO 15-03-2023 | 650 | Virtusa Pvt.Ltd |
| 6 | Expert Lecture on Achieving Scientific Goals with Space Technology | 11.03.2023 | 300 | Mr. K.Radha Krishna Scientist SD,NRSC, Project Manager NASA ISRO |
| 7 | French Language Training | 06-02-2023 TO 11-02-2023 | 400 | Mr.David,Corporate trainer |
| 8 | Soft Skills Training | 06-02-2023 TO 07-02-2023 | 350 | Talentio Solutions India Pvt Ltd |
| 9 | Guest Lecture on Women Entrepreneurship | 04.02.2023 | 180 | Mr. Venkata Subbarayudu Nori, Co-founder and Managing Director, Winfo Solutions, Hyderabad |
| 10 | Soft Skills Training | 03-10-2023 TO 05-10-2023 | 500 | Face institution |

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**List of Certifications completed by students**

**(A.Y 2022-2023)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | Title | Course- offered by | 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** |
| 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** |
| 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** |