7.3 Institutional Distinctiveness

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

<u>Skill Development Programs for Placements</u>

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

List of Skill Development Programmes conducted for Students

(A.Y 2020-2021)

S.NO	Name of the program	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/experts involved
1	Guest lecture on AI & ML	30.11.2021	300	Dr. Karan Nathwani, IIT Jammu
2	Guest Lecture on Aiming High Towards your True Potential	02.11.2021	250	Ms. Anuradha Thota, MD & CEO, Blackbucks IT Solutions, Pvt. Ltd., Hyderabad
3	Webinar On "Current Trends In Capital Markets, Recent Trends In Ipo And Due Diligence In Investing"	01.11.2021	250	Narasinga Rao M.V., Resource Person CDSL IPF India Pvt Ltd., Hyderabad
4	Seminar on "Bank loans for Business "	17.10.2021	250	Dr. N Manoharan, Business Development Faculty Hyderabad
5	Guest Lecture Entrepreneur Development Skills	08.09.2021	200	Mr Srinivas NSIC Hyderbad
6	Guest Lecture on How to become Successful Women Entrepreneur	14.07.2021	300	Ms. Anuradha Thota, MD & CEO, Blackbucks IT Solutions, Pvt. Ltd., Hyderabad
7	Virtual Seminar on Intellectual Property Rights	11.06.2021	200	Dr.Kavitha Arora
8	Pranayama and Relaxation techniques	26.05.2021	150	Smt.U.V.Naga Lakshmi Founder & Director Joy of Yoga Academy
9	Guest Lecture on AIML (Virtual)	12.01.2021	300	Dr.Chandresh Kumar IIT Indore
10	Awareness Program on French Language Higher Education	13.11.2020	410	Mrs. Vasudara Murali Krishna, Manager at Campus France,
11	Art show Digital Poster Presentation on Recent Trends in Technology(Virtual)	03.10.2020	150	IICP cell MRECW
12	Technical Seminars on Emerging areas	28.08.2020 to 29.08.2020	400	EDC Cell MRECW

List of Certifications completed by students

(A.Y 2020-2021)

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 Cloud Identity	Google Cloud-Coursera Platform	459	451
2	Beginning SQL Server	Coursera Project Network-Coursera Platform	459	452
3	Introduction to Artificial Intelligence	IBM-Coursera Platform	459	450
4	Introduction to HTML5	University of Michigan-Coursera Platform	430	421
5	Basic Image Classification with TensorFlow	Coursera Project Network-Coursera Platform	616	604
6	Image Super Resolution Using Autoencoders in Keras	Coursera Project Network-Coursera Platform	665	650
7	Build a Data Base from a Relational Model	Coursera Project Network-Coursera Platform	764	746
8	IoT wireless & Computing Emerging Technologies	Yonsei University-Coursera Platform	430	420
9	Introduction to Cyber Security	Cisco Networking Academy Platform	720	701
10	Python for data Science and AI	IBM-Coursera Platform	617	605
11	Programming for Everybody (Getting Started with Python)	University of Michigan-Coursera Platform	720	707
12	Building Stock Returns heatmap with Tableau	Coursera Project Network-Coursera Platform	425	400
13	Cisco Programming essentials in C through Cisco Networking Academy	Cisco Networking Academy Platform	650	650
14	CISCO Python Certification through Cisco Networking Academy	Cisco Networking Academy Platform	720	720
15	ORACLE JAVA Certification	ORACLE Platform	21	21

16	Cisco CCNA RS Introduction to Networks through Cisco Networking Academy	Cisco Networking Academy Platform	600	600
17	Cisco Linux Certification through Cisco Networking Academy	Cisco Networking Academy Platform	600	600
18	Introduction of Packet Tracer	Cisco Networking Academy Platform	600	580
19	Cyber Security Essentials	Cisco Networking Academy Platform	700	700
20	Networking Essentials	Cisco Networking Academy Platform	600	600
21	Cambridge Certification on ENGLISH Enpower	University of Cambridge	940	910
22	Pearson Certification (LSWR Skills)	Pearson-Me Pro	59	59