MALLAREDDY ENGINEERING COLLEGE FOR WOMEN

(Autonomous Institution-UGC, Govt. of India)

NIRF Indian Ranking, Accepted by MHRD, Govt. of India
Band A (6th to 25th) National Ranking by ARIIA, MHRD, Govt. of India
Affiliated to JNTUH ,Approved by AICTE, ISO 9001:2015 Certified Institution
AAAA+ Rated by Digital Learning Magazine, AAA+ Rated by Careers 360 Magazine
3rd Rank CSR, Platinum Rated by AICTE-CII Survey, 141 National Ranking by India Today Magazine
National Ranking-Top 100 Rank band by Outlook Magazine, National Ranking-Top 100 Rank band by Times News Magazine

BEST PRACTICES

Best Practice-1: Value added Certification Courses.

Best Practice-2: Application oriented teaching, project based training, Multi mode teaching practice in all classrooms, Remedial classes and Question Banks.

Best Practice-1:

1. Title of the Practice: Value added Certification Courses.

2. Goal: The main goal of the institution is to bridge the gap between the industry academia and make the students industry ready. For this, the college is offering Value Added Certification courses like CISCO, Microsoft, JAVA, Pearson and Business English Certification (BEC). In the present day scenario, these add on certification courses are essential for enhancing the technical skills of the students. These additional technical courses play a vital role in motivating the students towards higher education. So, MRECW has initiated this innovative measure to enrich the students to perfectly match the industry requirements and be ahead of their competitors.

3. The Context: Cisco certification is being offered through Cisco Networking Academy, Microsoft Certification through Microsoft Innovation Center-MRECW is A.P's first women's campus to establish an authorized Microsoft Innovation Centre, Java Certification through Oracle Corporation of India and BEC is offered through Cambridge University, U.K. For each one of these certification courses computer labs with Audio Video facilities are required. So, exclusive labs for CISCO, Microsoft, Java,Pearson, BEC certification are available with 60 systems having audio-video facility. Students are divided into batches and planning for these certification training programmes is done meticulously and conducted after the college hours during vacation, so that every student completes these certification courses by the end of the four years of B.TechProgramme.

4. The Practice:
Business English Certification (BEC) training is provided throughout the B.Tech II yr for two periods every week by external and internal professional trainers. The students are then sent for the BEC examination conducted by the Cambridge University U.K. So far 122 students are BEC certified. Two of our English faculty members are also authorized official examiners of BEC, so the training is given effectively.

Cisco certification is offered through CISCO Networking Academy. The training for this is given in Modules. It consists of totally four modules. Each module consists of 11 chapters. After training in each chapter of the module, a test is conducted and finally for students who complete all the 11 tests, the final module test is conducted. The procedure is same for all modules. The Cisco training classes are conducted from the II year B.Tech level, after the college hours every day for the hostlers and during the vacation for the day scholars. So far 500 students have completed CISCO module 1 and 250 students have completed CISCO Module 2. The CiscoPythonCertificationcompleted forII,IIIandIVYearStudents and CiscoLinuxCertificationforIVYearStudents.

MRECW is an authorised Microsoft Innovation Centre. 1st Women's campus in INDIA. Microsoft certification is offered through this centre by Microsoft Corporation India. Microsoft Training is given during the III year B.Tech for 12 days continuously and examination is conducted in which the students have to develop Apps on their own. Yapponprogramme, which is a 24 hour continuous coding program is also organized after Microsoft training for which the students are given Yappon Certification. So far 250 students are Microsoft certified and many of them have also won prizes for developing Apps.

MRECW is an authorized Oracle Academic Partner, in association with Oracle Corporation India which offers JAVA certification. Great care is taken by the institution in planning these certification programmes from the 2nd year B.Tech, so that there is no overlapping and all the certifications are completed successfully by the final year B.Tech.

The training sessions are planned after the college working hours and during the vacations with the support of the students and faculty, so that the regular class work is not disturbed.

5. Evidence of Success: The value added certification courses are Add on programmes, which enrich the profiles of the students. They are also being helpful in improving the technical and presentation skills of the students. This is clearly evident with the great success achieved in placements this year. As a part of the certification training, the students are made to develop Apps and projects on their own, which is giving them a lot of confidence and many of the students now feel that they can lead successful careers on their own as Real Time Project Developers.

6. Problems encountered and Resources Required: The few problems encountered are like the extra time which is needed for the trainings without disturbing the classwork. This has been planned after the college working hours for the hostellers and during the vacations for the day scholars with the support of the students and the concerned faculty. The training programmes have to be meticulously planned for the smooth completion of all the certification courses and this is being taken care of by the Training &Placement Cell.

Best Practice:2

1. Title of the Practice: Application oriented teaching, project based training, Multi mode teaching practice in all classrooms, Remedial classes and Question Banks.

2. Goal: The Institution aims at transforming the students into technically advanced engineers, through comprehensive education by application oriented teaching and project based training to provide hands on experience and practical knowledge in their relevant technical fields. The institution aspires to instill scientific zeal and develop skilled human resource to contemporary challenges.

3. The Context: To provide application oriented teaching and project based training and to prepare question banks, and Lab Manuals expertise faculty members are required. To facilitate multimode teaching practice, LCD projectors are required in all classrooms.

4. The Practice:

Expertise faculty members are available to provide application oriented teaching by connecting theoretical subject content with the areas of real time applications. Project based training is given in all streams of engineering. The students are provided knowledge on the equipment and the related technology required to develop projects on their own in the latest advancements in their relevant fields of technology. This is a regular practice in every semester. Lab manuals are designed by the faculty for every lab which contain all the experiments according to the Autonomous syllabus (I & II years of UG & PG), JNTU syllabus (III & IV years of UG) and also at least two additional subject-relevant experiments for extra knowledge. These Lab manuals are distributed to the students. The faculty also prepare question banks for every subject, which contain all important questions from each unit as per the syllabus. LCD projectors are available in every classroom, so that the Teaching-Learning activity is done more effectively. Remedial classes are organized every day for one period after the regular college working hours and more actively before the supplementary exams for the students with backlogs.

5. Evidence of Success: With the help of Application oriented teaching, the students are able to understand the subject better. Through Project based training programmes, the students' technical knowledge and skills have increased. The LCD projectors are helping the students to easily grasp the subject knowledge with interest. The Remedial classes and question banks are directly helping in increasing the pass percentage of the students in the university examinations.

6. Problems Encountered and Resources Required: LCD projectors are required for every classroom which are made available with the support of the management. Expertise faculty are required for application oriented teaching and project based training and to design Lab manuals and question banks. With the management's support the necessary expert faculty have been recruited. As the remedial classes are conducted after the college working hours, the necessary students are requested to stay back and avail the opportunity.