BEST PRACTICE 1

1.Title of the Practice:

Enhancement of employability potential amongst all streams of engineering students through mandatory skill development courses

2. Goal:

i) To expose with the latest technologies by incorporating Skill development courses as part of thecurriculum under Autonomy.

ii) To improve the employability skills and Job Opportunities through these courses

ii) To develop Better Problem Solving Skills

3. The Context

The primary skill that every engineer should possess is knowing how to code. No matter what the stream is, with the advancement and adaptation of technology in every sphere of life, coding becomes a basic necessity.

Further, the entire lot of engineering students from all streams have to undergo the same recruitment process for reaching their goals and getting a job opportunity at their favourite companies irrespective of their branch of study.

4. The Practice

After the College is conferred with the Autonomous status with effect from 2021-2022, skill development courseson Programming in Python, Programming in C are introduced from I Semester to IV Semester as mandatory courses to the students from all the streams. Both theory and Laboratory courses are offered in these subjects. Through these courses students are provided an opportunity to develop their coding skills. In addition to the above courses some domain related skill development programs are conducted like Civil - BIM training, total station, ECE – PCB training, VLSI SoC design PCB design and Manufacturing, EEE – IOT training using Arduino tools and techniques, Mech – Solid edge certification program.
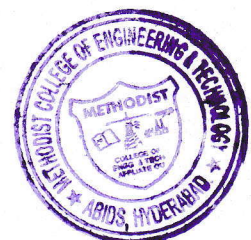
5. Evidence of Success

As the students admitted under Autonomy have come to VI Semester during the current academic year (2023-2024) the evidence of success will be known during this semester after they face the campus recruitments. However, the feedback from the faculty handling these subjects is that the students from all streams could develop good coding skills

6. Problems encountered and Resources required

In the initial stages the students from the streams other than Computer Science and Engineering were having some inhibitions and were not comfortable with these courses. However, as time progressed they understood the importance of these courses and started showing lot of interest. To provide additional laboratories with adequate number of systems finances are required.

PRINCIPAL / DIRECTOR
METHODIST COLLEGE OF ENGG. & TECH.
King Koti Road, Abids, Hyderabad.

METHODIST
COLLEGE OF ENGINEERING & TECHNOLOGY
(An UGC-AUTONOMOUS INSTITUTION)

Accredited by NAAC with A+ and NBA
Affiliated to Osmania University & Approved by AICTE

Estd : 2008

BEST PRACTICE 2

1. Title of the Practice:

Domain specific competency development through industry supported valued-added and global certification programs.

2. Goal:

i) Equip students **for global academic citizenship** with global industry certifications with no additional fee

ii) Align course offerings to **meet industry demands** to ensure that graduates are equipped with relevant skills and knowledge required in the job market.

ii) Cultivate a culture of **promoting self-learning towards lifelong learning** and personal development among students, encouraging them to pursue further education and skill enhancement

3. The Context

Industry supported Value-added courses are designed to add value to students' academic journeys by complementing their major or core requirements with specialized, interdisciplinary, or applied learning opportunities. They engage industries to provide a curriculum relevant to a specific domains with practical applications to ensure workforce readiness.

Validation of technical competency through certification programs provides global recognition and is pivotal in career advancement of the students.

4. The Practice

Upon gaining Autonomy of design of courses from 2021-2022, industry supported value-added courses and certification programs are delivered from I Semester to VIII Semester with academic credits as mandatory courses to the students from all the streams. Both theory and laboratory courses are offered in association with CISCO, ICT Academy, AI Shala both in offline mode during working hours and self-paced online modes. The offline mode is delivered by faculty of the department certified through the Train-the-Trainer mechanism of the above said industries.

5. Evidence of Success

As the students admitted under Autonomy have come to VI Semester during the current academic year (2023-2024) the evidence of success will be known during this semester after they face the campus recruitments. However these programs have provided the students with global certifications and would render global career opportunities for students and higher earning potential over their counterparts.

PRINCIPAL / DIRECTOR
METHODIST COLLEGE OF ENGG. & TECH.
King Koti Road, Abids, Hyderabad.