



MUTHAYAMMAL ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi, Accredited by NAAC, NBA & Affiliated to Anna University)

Rasipuram - 637 408, Namakkal Dist., Tamil Nadu



INTERNAL QUALITY ASSURANCE CELL

BEST PRACTICES

Title of the Practice:

Technology Learning Group -TLeG

Goal :

- To establish various Technical Training Group
- To focus on advance learning by Students through Technical Lecture, TechTalk, Seminar and Interactions
- To Motivate the Students to being masters in the domain of their interest
- To encourage students to present paper and project in chosen Domain.

The Context:

The Student are expected to be expert in minimum of two or three Emerging areas or Technology to become Employable in the fast Challenging Environment. Keeping this in view, we at Muthayammal Engineering College identified more than 50 emerging areas in various Disciplines to make students Employable. The Activities of each group includes Domain Knowledge sharing by Group Lead (Faculty Member). Interaction among the Students to enhance the content, improving the presentation skills through various activities and attending Guest Lectures by Domain Expert.

The Practice:

- Each group is formed with 25 interested Students
- Students from various Department are Encouraged to enhance Multidisciplinary Discussion
- Regular interactions and review meetings are organized by Group Lead
- Certification by the Students in the Domain are encouraged.

Evidence of Success:

- In 2019-20, 50 Technology Learning Groups have been formed with 1310 Students
- Students of TLeG are received 1450 Certificates in Multidisciplinary Domain

Problem Encountered and Resources Required:

This Best Practice is very much useful and Students were effectively utilizing the opportunity. The implementation of this practice is very simple because resources (Faculty Member and Laboratory Facilities) are available within the Campus.

Title of the Practice:

Multidisciplinary Lecture by Faculty Members (MuDiL)

Goal:

- To enhance Inter-Department Collaboration
- To interact and identify Inter-Disciplinary activities like Real Time Projects.

The Context:

Students are expected to have Multidisciplinary Knowledge to serve in Industry. Hence the students are to be provided opportunity to learn and understand the importance of working in a team of people with different Engineering Discipline. This has motivated to provide the opportunities for the Students to interact with the Faculty Members and Students of other Departments to equip themselves with Multidisciplinary Knowledge. The outcome of this idea has resulted in Multidisciplinary Lecture Series (MuDiL).

The Practice:

- The Faculty Members are assigned the responsibilities to interact with the Students of other Engineering Department.
- The Faculty Members will interact with the students and motivate them to share their ideas for formulating the project problems
- Minimum of three Inter-Department interactions are Scheduled for Faculty in the Institution.
- To transform the thoughts into Idea and Idea into Problem Statement

Evidence of Success:

- 95 Multidisciplinary Projects have been done by the Students

Problem Encountered and Resources Required:

MuDiL doesn't involve any cost or any new Resource except the Faculty Technical Interaction.

Title of the Practice:

TASTE - Teacher's Associated Seminar Towards Excellence (By the Teachers for the Teachers)

Goal:

- To make the Institution as a Centre of Excellence in Teaching
- To enhance the Teaching Methodology with Innovation
- To improve the Confidence and Presentation Skill of the Faculty Members
- To ensure the Interaction with Co-Faculty for Multidisciplinary Activities

Objectives:

- To enhance the Presentation Skill of the Faculty Members
- To interact with Senior Professors on Teaching Methodology
- To deliver the lecture to the Peer Group for improving the Teaching Ability
- To learn Do's and Don'ts during the Technical Teaching
- To enhance the confidence and continuous progress in Teaching Learning for the benefit of the Students

Methodology:

- Faculty Members are identified to deliver the Talk
- Monthly Schedule is prepared for Presentation and circulated among Faculty Members
- Presenter is informed to submit the Seminar Topic with the content of delivery
- Invitation is sent well in advance to all Faculty Members, to attend the seminar to enrich their Knowledge
- Record of the daily activity is maintained in the Institution
- Speaker is provided with Feedback for further improvement if necessary
- Faculty Members who have Presented / Shared the information are provided with Certificates

Evidence of Success:

Seminar has enhanced the Teaching Learning by the Faculty Members and also motivates them to have more interaction with other Department Colleagues for MultiDisciplinary activities.

To mention, few success Outcomes of the Seminar (TASTE)

- 207 Seminars are delivered by Faculty Members
- Average of minimum of 50 Participants are benefited daily. As a result, around 10,000 Participants are benefited.
- 207 different topics were discussed in common forum which resulted in number of Multidisciplinary Student Projects.
- Quality of Teaching has enhanced.

Problems Encountered and Resources Required:

No cost involved. Hence no problem encountered. The Human Resource (Faculty Members) are only required.

Title of the Practice:

MKC Learning-Must Know Concepts - Learning and Practicing

Goal:

- To ensure that the Students learn the concepts in all subjects without any Ambiguity
- To enhance the Oral Presentation Skill with clear Concept

Objectives:

In general, the Students learn the subjects with the focus on Examinations and it is unfortunate to know that most of the Engineering Graduate concentrates on few subjects and give less importance for the majority of the subjects. Keeping this in view, we, at Muthayammal Engineering College focus on ensuring the concept Learning and Practicing to enhance the subject Knowledge with Concepts.

Implementation:

- Faculty prepares the Must Know Concepts for every Subject
- MKC is discussed and shared with Students
- Oral Examination by the Faculty Members is conducted for each Student for every Subject

- Outcome of Oral Examination is been considered for Continuous Internal Assessment

Evidence of Success:

- Subject Knowledge is Augmented
- Useful for Advanced Learning
- Innovative Projects by Students
- Understanding and Explanation Capacity of the Students increased
- Level of Confidence is improved

Problems Encountered and Resources Required:

No Problem is found so far. This may be due to appreciation by Students and Faculty.
Resource material required is prepared by the Subject Faculty.



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