R.M.K.COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution)

R.S.M Nagar, Puduvoyal, Gummidipoondi Taluk, Thiruvallur Dt- 601206. Approved by AICTE,New Delhi & Affiliated to Anna University, Chennai All the eligible Programs are accredited by NBA& NAAC with "A" Grade. An ISO 9001-2015 certified Institution

The best practices followed by the institute are:

I PROJECT BASED LEARNING

1.Objectives of the Practice:

It aims to build students' creative capacity to work through difficult or ill-structured problems, commonly in small teams.

2.The context:

Project-based learning is an approach designed to give students the opportunity to develop knowledge and skills through engaging projects set around challenges and problems they may face in the real world.

3.The practices:

The seven steps involving in practice are:

(1) Formulating the expected learning outcome

(2) Understanding the concept of the teaching materials

(3) Skills training

(4) Designing the project theme

(5) Making the project proposal

(6) Executing the tasks of projects and

(7) Presentation of the project report..

4. Problems Encountered:

The two most significant problems are teamwork, an important skill that holds the potential for conflict and free-riding by students and the difficulty experienced by teachers and students in adapting to non-traditional teaching and learning roles.

5. Resources Required:

Every student must have a laptop and classrooms must be equipped with wifi facilities.

6. Evidence and Success:

The problem-solving and self-learning skills are improved, if their idea holds the potential to transform into an invention, a provisional application for a Patent can be made.

II PARTICIPATION OF INDUSTRY IN OUR CURRICULUM DESIGN

1.Objectives of the Practice:

To design a better Curriculum that fills the gap between the institution and Industry needs. To provide knowledge and skills to the students for employment and positive work values needed to meet the demands of the changing industry and global environment.

2.The context:

Current trends in the job market are also considered while developing the Syllabus. It provides enhanced strategies to help in the development of Curriculum as well solving its issues.

3. The practices:

While designing the Curriculum, we consider specific knowledge partners based on the program. Forty percent of Syllabus will be designed by Knowledge partners and sixty percent Syllabus will be designed by the academic experts from IIT's and NIT's. Curriculum delivery is not a one-time process. Every year, the Curriculum should be revised and the cycle continues. It requires a lot of motivation from faculty and students. In this regard, industries come up with a lot of motivational programs for the benefit of faculty and students.

4. Problems Encountered:

Identify the contents for the Syllabus in terms of recent trends that could be adapted as a Course.

5. Resources Required:

Trainers to train the faculty

6. Evidence and Success:

This improved the job readiness of the graduates and influenced the research initiatives in various relevant domains.

III CREATING DIGITAL VIDEO CONTENT FOR ONLINE LEARNING

1.Objectives of the Practice:

This facilitates the Students to view the course material at their own pace and space. They can rewind, slow down or speed it up – they can revisit particular videos prior to assessments.

2.The context:

Use of multimedia for teaching and learning, particularly digital video, has become ubiquitous in Higher Education. This is driven in part by the growth in blended pedagogies and an increase in students learning solely or partly online.

3.The practices:

The Various steps involved in practice are:

Scripts: Write a script of what you want to say, to make sure the most important things are covered.

Storyboards: Design a storyboard, which is just a plan of what will be said, shown, and described. This helps in guiding the projects to make sure it covers the needed material.

Learning Nuggets: Break the topics down into bite-sized 'learning nuggets'. Keep the narrated lecture videos to 15 minutes or less, with 10 minutes being the optimal time.

Colors: Think about text and content colors to make sure they are easy on the eyes.

Avoid Fluff: Keep the content tight and to the point.

Images: Choose images that are specific to the topics and that support the learning.

Copyright: Make sure to get permission to use all images, content, video, and music that are not your own to avoid violating copyright laws. Give credit where credit is due, and source all facts and information.

Content Sustainability: Making an online video lecture or audio narrated PowerPoint lecture takes time. You want to be sure you can reuse it repeatedly. Therefore, choose sustainable topics and content that will not change. When possible, choose the foundational concepts and knowledge base that will be the same year after year and make online lectures about those concepts.

Quality Audio: Use a headset or microphone so that the audio is clear and professional. Choose a room with little background and ambient noise. High quality audio recordings ensure active listening.

4. Problems Encountered:

Technical issues like internet connectivity are not available in several locations.

5. Resources Required:

Microphones – Audio Recorder.

Screen Recording Software.

Video Editing Software

6. Evidence and Success:

This increased the student engagement, which in turn helped boost the confidence in learning subjects.