The best practices followed by the institute are:

I. TITLE: MEDIA RICH INTERACTIVE ACTIVITIES

1. Objectives of the Practice:

To improve the quality of learning, effective listening and understanding of basic learning concepts with the help of available e-learning platforms. Thus, the quality of students with respect to real time applications and updates regarding latest technology is improved.

2. The context:

To enhance the essence of teaching, learning, problem solving and research capabilities of students.

3. The practices:

1. Allows the students to watch the application of engineering concepts through online videos and engages them with questions to clarify their level of understanding.
2. Integrate the students with summative and formative assignments to assess the benefits of the learning materials.
3. Online quizzes has been conducted and technical seminar sessions were provided to expand their knowledge by enhancing the communication skill.
4. Hands-on training sessions offers a bit challenging environment to empower the problem-solving skills of the students.
5. NPTEL, Coursera, Udemy, MOOCS and other online courses has been embedded with the real-time classes.
6. Provided opportunities for students to explore their views in virtual reality-based learning platform.

4. Problems Encountered:

1. Network Connectivity is the major problem for few students.
2. Lack of interest is identified in passive learners.

5. Resources Required:

Laptop/Desktop/Android Phone that supports MP4 file format and Image with better network connectivity.

6. Evidence and Success:

A massive involvement in learning has been observed. Students were found more interactive in understanding and applying the concepts.

Notes (Optional):

II. TITLE: PICK AND MATCH THE TECHNICAL CONCEPT

1. Goal:

To understand and identify the technical words that describes the basic engineering concepts with a real time application.

2. The context:

To invoke the thirst in learning by exploring the technical words hidden in the description of basic concepts.

3. The practices:

1. A quiz session is conducted with number of rounds.
2. Identification of scientists who contributed more to the engineering society has been listed.
3. Problems having social values and its engineering solutions has been discussed.
4. Analyzing the practical application of basic engineering concepts in day-to-day life is identified.
5. Motivated students to participate in events like Hackathon, KPIT Sparkle Contest and other mini project contests.

4. Problems Encountered:

1. Few students faced difficulty in understanding the concepts.
2. Some students find difficulty in application of engineering concepts to the identified problems.

5. Resources Required:

Laptop/Desktop with proper network connectivity.

6. Evidence and Success:

1. Innovative ideas and level of understanding of students is improvised.
2. Way of identifying the problems and finding a solution, takes them to a different dimension of thinking and analyzing the problems.

Notes (Optional):