I. TITLE: VIRTUAL BASED LEARNING

1. Goal:

To improve the effective utility of e-learning platforms in order to improve and update the quality of education of the students with respect to the subjects.

2. The context:

To inculcate the essence of teaching, learning and research capabilities of students.

3. The practices:

1. All the students are taught real-time applications based on the topics.
2. Skills are developed through practical examples via online video sessions.
3. Online quizzes has been conducted and evaluated for a series of session.
4. Hands-on training sessions are handled by subject experts from inter and intra colleges.
5. NPTEL and other online courses has been embedded with the real-time classes.
6. Provided opportunities for students to explore their views in reality-based learning platform.

4. Problems Encountered:

1. Few students are reluctant.
2. Slow learners find difficult to cope up with academics and extra courses.

5. Resources Required:
Experts from Industries and Educational Institutions.

6. Evidence and Success:

Shown a massive improvement and interest in learning and developed a multidimensional way of seeing and solving problems.

II. TITLE: ACTIVITY BASED LEARNING

1. Goal:

To improve and implement practical knowledge of students in the respective domains.

2. The context:

To provoke the research thirst and attainments of the student's inbuilt technical ideas.

3. The practices:

1. Mini-project competition has been conducted.
2. Practical way of seeing and handling the issues has been taught.
3. Ecofriendly method of solving problems are developed.
4. Analytical and logical skills has been improved.
5. Motivated to participate in events like Hackathon, Codevita contests.
6. Practical lab sessions are given through online platforms.

4. Problems Encountered:

1. Some students faced network connectivity issues.
2. Lack of programming skills.

5. Resources Required:

Laptop/Desktop with proper network connectivity and supporting software, Bank of Activity exercises

6. Evidence and Success:

1. Interaction and involvement of students has improved.
2. Knowledge sharing and innovative ideas has been shared.