7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practice 1: Development of E-content for effective teaching and learning practice

1. **Title of the Practice:** Development of E-content for effective teaching and learning practice

2. **Objectives of the Practice:** The objectives of this activity can be listed as;

   - To develop infrastructural facility for e-content development.
   - To develop e-content for various subjects of different engineering programsTo offer personalized and flexible learning options
   - To improve the quality and effectiveness of education.
   - To make the developed e-content on institute website & public platform available

In the COVID-19 pandemic, when it was found most difficult to maintain students in mainstream of teaching learning process; the e-content access made this affordable and available 24X7. More than 500 plus video of engineering subjects have been developed. All these videos are recorded in speciallydesigned and developed recording rooms with all necessary hardware and software support along with department recording facility. Institute has developed two specialize state of art recording studies for e- content development whose developing coast is around 80 lacks. All these videos are uploaded in instituteERP as well as in public domain so that not only our students but the students from other institute can access these resources for learning. The e-content development is continued even after resuming offline teaching learning.

3. The Context: When all the students were get academically affected due to COVID 19 pandemics and facing difficulties to get acquainted with routine lecture or practical sessions. The e-content had played a critical role in enhancing the quality and effectiveness of education. It can provide access to a wide range of educational materials, support personalized and flexible learning, and help to overcome some of the traditional barriers to education.

4. The Practice: To develop the quality content in digital format, the activities were streamlined that is careful planning, design, and implementation of e-content to ensure that it is effective, relevant, and meetsthe needs of students. Recording studio with all necessary hardware and software facilities has been developed by integration of technology with teacher training by expert.

5. Evidence of Success: As per planning around 500 plus videos of various courses were developed. Faculty members have developed these videos around 35 subjects aligned to various courses are made available for students with no cost. Total 50 plus faculties were involved in this activity. The recorded video sessions were made available through ERP,

Whatsapp, YouTube channel and The Zeal Academy portal.

Problems Encountered and Resources Required: The challenges in e- content development were; to make teachers comfortable with such nonconventional approach of teaching and additional skill setdevelopment for effective delivery. The subject teachers were provided with sufficient time to compile quality study material to share in video lectures. The teachers were motivated to get necessary trainings fordelivering. Some of the challenges occurred during the development of e- content as technical challenges, cost of developing e-content is expensive. Accessibility of E-content particularly where there is no internet& insufficient bandwidth is available for remotely located students.

Best Practice 2: Student training program for the placement & life skill Enhancement

1. Title of the Practice: Student training program.

2. Objectives of the Practice: The objectives of this activity listed as

- To provide training opportunities in technical, computing and life skills.
- To identify the training programs with respect to industry requirements and curricular gaps.To enhance the employability opportunity
- To prepare students for entrepreneurship

3. The Context:

The training and placement section of the Institute has identified the industry requirements. The problem was critically analyzed with the help of industry advisors, parents and alumni. Accordingly; it was decided to provide the training which will include technical skills, computing skills and soft skills.

4. The Practice

The training programs were effectively implemented through the Life skill training, Japanese langue training & Python Training Program from Second year onward. The duration of Life Skills Training is 48 hours / Semister that are spread over 5 semesters.

Module Number	Class
Module 1 - Personal and career goal setting	SE (Second Year Engg) SEM I & II
Module 2 - SWOT analysis	
Module 3 - Behavioral skills	
Module 4 - Personal Branding	
Module 5 - Profile Management	TE (Third Year Engg)
Module 6 - Public speaking	
Module 7 - Presentation skills	
Module 8 – Resume writing / Interview Skills	SEM I &II
Module 9 – Group Discussion	BE (Final year Engg)
Module 10 – Personal Interview	
Module 11 – Art of Negotiation	
Module 12 – Corporate Culture	SEM I

Japanese Language Training Program is conducted for Third and Final year Engineering Students. The Program Duration was of 120 Hours which was divided for 2 hours per day. Python Training Program is conducted for Third year Engineering Students particularly to all Students of CS, E&TC, IT & Electrical. This training Program aims for refreshing technical fundamentals and improves basic domain knowledge and concepts of Python Language. The Training Program was conducted for 184 hrs. Besides this T&P section conducts Value Added Program/Workshop by Industrial Experts in terms of seminars,guest and expert lectures and Special Industry Placement oriented Trainings for company specific activities, aptitude tests,

mock technical interviews, personal interviews preparations.

Evidence of Success

The program has helped the students in motivating and preparing for better employment during campus placement. The outcome of this increases the placement of students count & overall professional behavior.

Problems Encountered and Resources Required

The problem encountered for starting this program was the motivation and convincing the students to undergo training during Covid pandemic and program conduction in scheduled duration. The required resources are computer laboratories which are available at T& P section & departments. There was little difficulty to adjust the life skill training schedule in regular time table. During Covid Pandemic it was difficult for some of the students to attend, access and active participation in this training program becauseof bandwidth and hardware problem at their native place However Institute provided recorded video to them so as to cope up the problem.