

Best practices in ADCET

1. Title of the Practice

Use of Content Creation Labs for e-learning material for some of the courses.

2. Objectives of the Practice

Availability of e-Content for learning can be useful to students during revision for exams, absence in classes due to emergencies, pandemic situation, etc.

3. The Context

Creating e-learning material videos of high quality involves extensive time and effort and use of video processing features. With support from Management, faculty create these videos in the interest of students.

4. The Practice

The faculty use specially designed Content Creation Labs in the College, to create videos of lectures for different courses. The videos are then post-processed using different software for high quality. This practice is similar to MOOCS platforms, and helps students in learning and reinforcing their concepts, even at home and in remote areas.

5. Evidence of Success

During the pandemic situation students have used these videos. Many courses are floated on YouTube also. The web addresses are

<https://youtu.be/erd-sodYSMI>,

<https://youtu.be/3TbiFegIOo0>,

<https://drive.google.com/file/d/1tR-DaMy0kTTOPg0zJp89BjUey UbCCL6Q/view?usp=sharing>,

<https://youtu.be/-wNsLwR6ltk>.

6. Problems Encountered and Resources Required

Initially it was found to be lengthy process since many takes were required and then editing also. But with practice it was resolved and now it has become a regular thing for the faculties. Many resources like camera, lighting elements, audio equipments, white board, markers, glass board microphone were purchased.

1. Title of the Practice

Training on Aptitude, Communication and CV-writing from second year of undergraduate engineering program.

2. Objectives of the Practice

Honing of aptitude, communication and CV-writing skills right from the second year of undergraduate engineering program helps students in improving their self-confidence, learning capabilities and placement prospects.

3. The Context

In addition to regular Curriculum courses, conducting separate training for aptitude, communication and CV-writing skills involves extensive time and effort. With support from Management and Training & Placement Office, the faculty facilitate this practice.

4. The Practice

Right from their second year, the undergraduate engineering students are provided training in aptitude, communication skills and writing of a good CV. This not only helps in their final year campus interviews, but also improves their confidence, self-esteem and technical learning. With support from Management and Training & Placement Office, faculty mentors closely monitor the development of these soft skills in students.

5. Evidence of Success

Rate of placement in on campus drives has increased. More than 350 students from 2020-2021 batch were placed. It has given students a motivation also since rural students are always under pressure when it comes to communication. Improvement is visible during the interaction with students.

6. Problems Encountered and Resources Required

It is always seen that students especially from rural background or from small towns are little aware with importance of communication skill, aptitude etc. So first of all we need to encourage and motivate them through mentors, class teacher and training placement coordinators. Resources from outside are hired for aptitude, communication and related activities. Even in house faculty takes session as and when required with specific company orientation.

Institutional Distinctiveness

Industry Consultancy: [Mission Element: Promoting research to benefit the society] Consultancy to the Industries (Sugar Mills, Automobile Industry etc.) in solving the problems such as balancing of rotors, shafts, alignment, vibration condition monitoring, structural audits, Non Destructive Testing, special purpose machines etc is provided. Through this activities the Institute have developed a distinctive brand name among the Industry stakeholders

Industry Institute-Interaction: [Mission Element: Strengthening relationship with all stakeholders] The Institute is establishing connection with the industries by signing the Memorandum of Understanding [MoU's] with reputed core industries to enhance Industry-Institute Interaction activities. This has benefited in getting industrial visits, in-plant trainings, internship, value added courses, guest lecturers etc., for the professional development of students and faculties.

Outcome based teaching and learning: [Mission Element: Imparting effective outcome based education.] The Institute imparts outcome based education. Different pedagogical initiatives such as real world examples, collaborative learning, interactive tools (ICT) tools, and interactive classroom teaching sessions are used.

Training and Soft Skill Development Programs: [Mission Element: Preparing students through skill oriented courses.] The Institute imparts soft-skill, personality development and aptitude training programs for preparing the pre-final year and final year students for the campus placement.