

BEST PRACTICE 1

1. Title of the Practice: Professional and technical quality enhancement incorporating various methods

2. Goal:

- a) To be in sync with the latest technologies which are not part of university curriculum.
- b) To get exposure of real life working of any industry.
- c) To develop entrepreneurial skills in the students.
- d) To prepare students for industry readiness.
- e) To improve the employability of the students.
- f) To prepare students for various competitions for Govt. Jobs/ Higher Education

3. The Context

Theoretical studies are not sufficient for any aspiring engineering mind. Syllabus based experiments/ practicals are provide the fundamental exposure to the students. Additional efforts are required to expose the students about the latest technology as per the industry requirement. The exposor of basic engineering labs doesn't prepare students for industry readiness, doesn't promote their employability, and also not for competitive examinations for government jobs / higher education. Hence various different methods are being used to overcome this situation.

4. The Practice

- a) Successful establishment and functioning of the state of art Centre of excellence (COE) for latest technologies. These CO's include Rockwell Automation COE for industrial automation and drive, SMC COE for electro-pneumatics, National Instruments COE for industrial instrumentation and control, Apple IOS COE for app development, Syscom COE for smart card development, SALT COE for software testing and E-Yantra for robotics applications.
- b) Successful establishment and functioning of Entrepreneurship Development Cell (EDC) funded by NEWGEN IDC, Govt. of India initiative.
- c) Regular conduction of Industrial Visits to top notch industries such as NTPC, NPCL, New Holland, ABB, ST Microelectronics, Bisleri, Mother Dairy, Anmol industries etc.
- d) Conduction of various events such as seminar/ workshop/ short term training programs/ FDP/ SDP /conferences on regular basis by each department.
- e) Routine classes for Personality Development Program, Aptitude development
- f) Conduction of various technical sessions/ GATE classes for PSU/ Higher education.

5. Evidence of Success

On monitoring the academic module, following were the observations:

- a) A remarkable technological advancement is observed in students as the result of their COE training.
- b) Our various students/alumni are now buddy entrepreneurs and running their business on their new and innovative ideas.

- c) It is obviously observed that the students, who take interest in understanding the various processes in industry, can easily correlate the theoretical fundamentals with practical utilization. It also helps them in their campus interview selection process as the employers are interested in students who have knowledge of recent industry trends.
- d) With the conduction of various events, it is observed that students and faculty are now more equipped and conversant with latest technological terms and ideas.
- e) Students placement is enhanced due to increased confidence level and communication with the personality development program.
- f) The selection percentage in various competitive exams has increased.

6. Problems Encountered and Resources Required

More resources and infrastructure are required for academic restructuring. New labs have to established which have financial, infrastructural and training challenges however all problems are being managed with due efforts of management and faculty. Conduction of events needs expansion of resources and time. Time table have to re-adjust. Dedicated faculties are required for specific Trainings. Time is the big challenges in all these activities however with cumulative efforts and team works, all things are managed in stipulated time frame.

BEST PRACTICE 2

1. Title of the Practice: Conduction of value based and personality development program

2. Goal:

- a) To make the students good human being.
- b) To groom students for responsible citizen.
- c) To develop professional ethics in the students.
- d) To groom the students personality.
- e) To inculcate the Indian culture and ethics in students.

3. The Context

The only technical subject knowledge and associated experimental studies cannot produce the good human being and responsible citizen. It is prime responsibility of any educational institute to inculcate the values and ethics in the students for their overall development and associated contribution towards society and country.

4. The Practice

- a) Sending faculty members to various human values workshop/ refresher courses.
- b) Establishment of value education cell.
- c) Conduction of various personality development programs.
- d) Conduction of fire safety and road safety programs.
- e) Conduction of blood donation camps.
- f) Implementation of Anti ragging rules.
- g) Conduction of gender sensitization based program.
- h) Organization of various cultural events.

5. Evidence of Success

On monitoring the overall scenario of the college:

- a) It is found that our students are more disciplined and cultured.
- b) 40% of college faculty has attended the human value workshops.
- c) There is no ragging case in the premises.
- d) The college is a major partner with GOI in Unnat Bharat Abhiyan.
- e) Students are capable enough to organize various cultural events on their own without any indiscipline case.
- f) The students are voluntary participating in various CSR activities.

6. Problems Encountered and Resources Required

The time management is a major concern as lot of academic and non academic activities are going in parallel. Crowd management in events is also a challenge, however with mutual coordination of students, faculty and administrative staff, things are being managed.