Dhanalakshmi Srinivasan

College of Engineering and
Technology, ECR, Mamallapuram,
Chennai – 603104.

BEST PRACTICES

And

DISTINCTIVENESS

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DSCET

Best practices

Practice 1: CO PO attainment process

Title: CO PO attainment process in implementation towards outcome based education

Goal:

1. The attainment of the above CO, PO through appropriate use of TLP is the major concern of Outcome based education (OBE) system.
2. Several methods available to evaluate the attainment.
3. Micro-level attainment of CO is developed and the procedure of PO attainment is devised.

Context:

- Outcome based education preferred worldwide for its leaner centric approach
- Course outcome, Program outcome and their mapping plays vital role in its implementation.
- Major problem exists in the evaluation of CO-PO attainment for the reasons stated below:
  - o Only if the attainment process is clear, Target can be fixed every year to retain quality.
  - o Attainment can be achieved either at micro or macro level
  - o Weight age for internal and external exam components are not fixed
  - o As in tier II institution category, there in no provision for the design of external evaluation component.

Practice

- Micro level attainment procedure is preferred for the CO attainment of each subject.
- The devised course outcome is evaluated in different evaluation components as
  - o Assignments
  - o Continuous Internal Assessment CIA I
  - o CIA II
  - o Model exam
- The questions are then designed to evaluate the intended CO with the help of revised Blooms taxonomy.
- The COs is mapped to each question or assignment.

- The marks obtained in each CO are listed for each student. Weight age for assignment and questions within same CO is fixed as 20:80
- For CIA I and II components only, assignment is considered, whereas for model exam, assignment marks are not considered.
- Also the attainment is depicted in three point scales by using the procedure below considering the CO marks of each student to be more than 60%.
  - Average assessment >60%   - 1
  - Average assessment 70%-80%   - 2
  - Average assessment >80%   - 3
- For the external exam component namely the end semester university examination, the grades are obtained for each student is listed.
- The institute average grade is fixed as D grade and by using the below levels, attainment in 3 point scale is derived.

Average grade and above grades

>60%   -1

70%-80% -2

>80%   -3

- Then finally the attainment in internal component and external component are combined to achieve an average attainment score with the weight age of 1:1. (I.e. 50%)
- This score is then used to evaluate the final PO attainment as per the mapping established earlier.

Evidence of success

- NBA Accreditation for CSE, ECE and EEE departments

Impact of Practice:

- The CO PO attainment process developed lead to a better demonstration of the outcome based education implementation.
- Faculty find its effectiveness in training the students for their non-attaining COs.
- This also provide a way to fix the target level for PO attainment to ensure quality in education

Resources required:

- Formulated excel spread sheet served the purpose

Practice 2: Counseling of students

Title: Counseling system

Goal

1. To produce graduates with good conduct and character.
2. To meet the aspirations of parents and all other stake holders.
3. To understand human needs and pain and to provide necessary help

Context

- Counseling or Mentoring is a youth development strategy that can create a path to successful adulthood` and career for the students.
- A mentor will have a maximum of 20 students (Mentees) allocated to him/her.
- The mentees will be attached to the same mentor for the entire course of study, except during the I Year B. Tech.
- The mentors shall meet the mentees regularly and record the outcome of the meetings in the Computer system. The details about each mentee will be recorded and periodically updated in the Computer system.
- The mentors shall update the mentee's parents about the progress of the mentees.

Practice

- The mentor shall take care of the attendance of the mentee.
- Educate their students about college rules and regulations along with the university requirements, regulations and other procedures.
- Take care of their academic matters like internal test, semester result and arrear coaching.
- Behavioral and discipline matters
- Physical health and Spiritual growth
- Achievements, talents, scientific achievements Extra, co- curricular achievements

- Academics - In the review meeting, immediately after the Internal Assessment tests and the semester results, the mentor shall appreciate the mentees who have performed well.
- The mentor shall interact with the mentees who have not done well or failed in the internals and advice them to improve their performance. The mentor shall extend all possible assistance to improve the academic performance of the mentee.
- In both the cases mentioned above email/post will be sent to the parents / guardians by the system on the performance of their son / daughter / ward. Care and Counseling
- The well behaved students shall be appreciated and others shall be properly cared for and counseled.
- In cases where expert care and counseling is required, the mentor shall consult the professional counselor.
- Personality Development - The mentor shall encourage the mentee to develop and channelize his/her skills and talents through an appropriate forum or activity of the college and help in developing their organizing skills, service to society, commitment, sincerity and integrity.

Evidence of success

Impact of Practice:

- Students get motivated and groomed to the need of the society
- Few students academic performance got improved
- Few students able to spend and share time between extracurricular and academic activities.
- Interest towards placements and training activities improved.

Resources required:

Well trained faculty to treat the students with parental care.

DHANALAKSHMI SRINIVASAN
COLLEGE OF ENGINEERING AND TECHNOLOGY
MAMALLAPURAM – 603 104
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)
(Accredited with 'A' Grade by NAAC)

Institute Distinctiveness

The Mission of the College aims to be a premier Engineering college offering education and training blended with ethical values. Extracurricular activities are conducted to foster the spirit of love, compassion, universal brotherhood and patriotism through the ideal of tolerance of diversities within the society and thus accomplish the institution's motto, "Learning for Excellence".

The institution is committed to provide an ambience of creativity, innovation and good learning experiences. Co curricular, extracurricular and sports activities and other competitions are organized regularly to nurture the talents of the students in addition to the academics.

The College as a higher education institution is committed in imparting quality education to empower the youth/students and strive to foster integral development of the students by enabling them to be intellectually alert, emotionally balanced, morally sound, socially committed, culturally enriched and spiritually oriented.

Variety of clubs have been formed in every department for perform different functions. Each student has been assigned a club based on his/her preference so as to encourage their interest besides the academic. The College also consists of various committees which look after the welfare of the students and cater to their needs.

Well established Alumni Association at the college helps in establishing a bridge between the Alumni and the students in their respective branch of study. Several interactions and activities initiated to motivate the students towards higher studies and placements.

The Mentoring Programme that has been initiated by the College has also made a positive impact especially on the personal development of the students. The close relationship formed between the mentor and the mentees has helped the students to feel connected to the College as a member of the fraternity and not just as a mere student with a daily class routine.

In the process of the mentoring, the mentors are able to learn more not only about their personal interests but also about the challenges that they face both as a student and as a member of the society. And accordingly, the respective mentors try their best to offer their guidance and if necessary, they are also referred to the College Counselor.