



POTTI SRIRAMULU CHALAVADI MALLIKARJUNA RAO COLLEGE OF ENGINEERING & TECHNOLOGY

Sponsored by SKPVV Hindu High Schools' Committee, Estd : 1906

Approved by AICTE, New Delhi, Affiliated to JNTUK Kakinada

Accredited by NAAC, NBA for B.Tech Programmes in CSE, ECE,EEE,DME & DCE. ISO 9001:2015 Certified

COLLEGE CODE : KT

2.6.1

Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and attainment of POs and Cos are evaluated.

In order to measure the Program Outcomes, the institute defines Course Outcomes (CO) for all the prescribed courses in all the programmes offered. These parameters will be assessed periodically to understand whether the Program Outcomes are achieved or not. The institute uses assessment tools to evaluate student's knowledge and ability to apply their skills in continuous assessments like internal examinations, end semester examinations, assignments, and Projects.

There are several levels of outcomes such as Course Outcome (CO), Program Outcome (PO), Program Specific Outcome (PSO) and Program Educational Objective (PEO). After the course (subject) allotment from the department, the course in-charge of the course will write appropriate COs for their corresponding course using action verbs of Blooms Taxonomy. The course coordinator will review the CO statements and the CO-PO mapping which has been done by course in-charge. These details are provided to the program coordinator in order to evaluate PO attainment of the individual student as well as individual course at the end of the eighth semester.

The Program Co-Ordinator along with Programme Assessment Committee (PAC) will evaluate the PO attainment of individual student through direct and indirect method after the student completing their program. All these works have to be done under the guidance of Department Advisory Board (DAB). At the end of the each programme, the PO/PSO assessment is done from the CO attainment of all curriculum components. In each course, the level of attainment of each CO is compared with the predefined targets, if is not the course coordinator takes necessary steps for the improvement to reach the target. With the help of CO against PO/PSO mapping, the PO/PSO attainment is calculated by the programme coordinator. At the time of CO-PO mapping, the course in-charge has to identify the curricular gap in the course, based on the recent technological trends as well as feedback received from the stakeholders. After that, the course in charge has to discuss with DAB about the steps to be taken to bridge the curricular gap. Content beyond the syllabus may be delivered to the students through teaching, arranging guest lectures, industrial visit, in plant training, online quiz, etc.

Assessment and Attainment methods

The various Assessment tools are:

Direct Assessment Tools:

Theory Internal and External Examination


Assignments

Day to day evaluation in Laboratory

Internal and external Practical Examination

Major Project – Internal and External Assessment


Coordinator
Internal Quality Assessment Committee


PRINCIPAL
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Indirect Assessment Tools:

Course End Survey
Graduate Exit Survey

Direct CO Attainment for each course (DA)= $(0.5 * \text{Internal Exam} + 0.5 * \text{External Exam})$

Overall CO Attainment = $0.8 * \text{DA} + 0.2 * \text{IDA}$ (Course End Survey Average), IDA – Indirect Attainments

Total Internal PO attainment (Direct Method) = Average of all Internal PO/PSO Attainments

Final PO/PSO attainment calculation Final PO Attainment = $0.8 * \text{PO/PSO attainment in direct method} + 0.2 * \text{PO/PSO attainment in indirect method}$ (Graduate Exit Survey Average)

IQAC Coordinator

Internal Quality Assessment Committee

PRINCIPAL

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