



V.K.R., V.N.B. & A.G.K. COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi & Affiliated to JNTUK, KAKINADA)
(An ISO 9001:2015 certified institute)

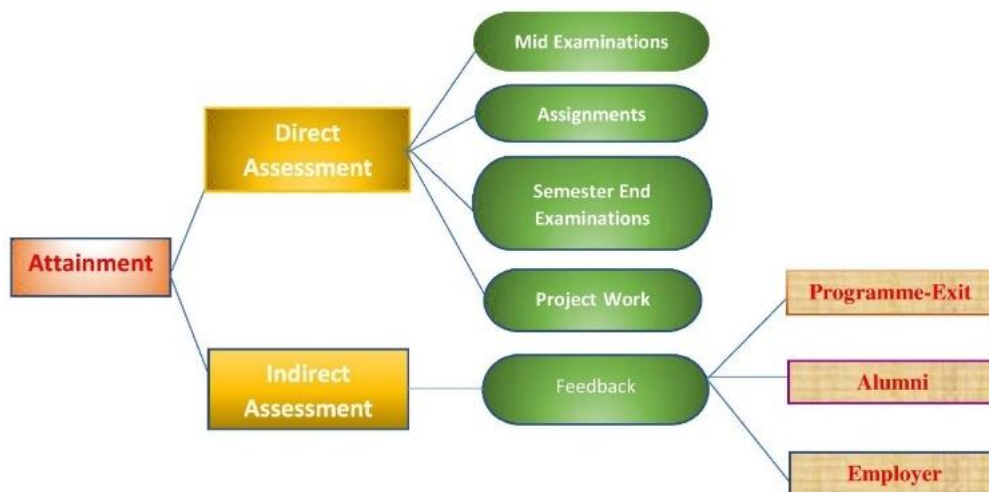
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2.6.2: Attainment of POs and COs are evaluated. Explain with evidence in a maximum of 500 words

Programme Outcomes (POs) and Course Outcomes (COs) of the institution deliberates the quality of education provided by the college.

Programme Outcomes of the institution aim at nurturing skill and capacity among students for employment, research, problem solving, social responsibility, ethics, protection of environment and empowerment through education. Course Outcomes measure what the student should be able to do at the end of the course. It is an effective ability, including attributes, skills and knowledge to successfully carry out the identified activity. Most important aspect of CO should be observable and measurable. The following aspects are considered in the attainment and evaluation of POs and COs.



CO and PO attainment is evaluated by Direct Assessment and Indirect assessment

DIRECT ASSESSMENT METHOD

COs are assessed through the continuous internal mid examinations, assignments and semester end examinations. The COs are mapped against each question and CO analysis is carried out by faculty for each course and documented also. The average result of 75% University examinations and 25% internal examinations results are considered for the evaluation of COs. Attainment is calculated on a 3-point scale of 1 to 3(High 3, Medium 2 and Low 1).

- **Seminars:** The students are required to present a seminar on the course of study. The objective of the seminar presentation is assessing students' interaction with peers and teachers on assigned topics. The content, preparation, presentation, and communication skills are assessed.
- **Viva-voce:** The subject teacher regularly interacts with the student during the practical classes to evaluate the extent of knowledge and ability for critical thinking.
- **Project work:** The final semester students take up group research project under the guidance of the faculty member. The ability of the students to plan and then execute the plan by designing and conducting experiments, analyse & interpret data and deliver the outcomes within a time frame are assessed.
- **Attendance and Practical Record**
Weightage is given for student attendance and well maintenance of lab records.

INDIRECT ASSESSMENT METHOD

Besides the University examinations the indirect assessment tools such as surveys and feedback by students, graduating students, alumni, employers and placement record are also carried out such as

- **Programme-Exit Survey:** This survey taken from the final year students at the completion of their programme, stands as the comprehensive feedback for the PO assessment
- **Alumni Survey:** This survey is conducted annually with the Alumni to obtain the inputs and suggestions on PO attainment in the real time societal environment
- **Employer Survey:** This survey is taken from the employer to measure the PO attainments.