



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

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కాకతీయ ప్రాచ్యోగికీ एवं विज्ञान संस्थान, వరంగల్ - ౫౦౬౦౧౫, తెలంగాణ, భారత

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - ౫౦౬ ౦౧౫ తెలంగాణ, భారతదేశము

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Process of calculating PO and PSO attainment

PO/PSO Attainment

Tools for assessment of programme outcomes are divided into two categories

- Direct Assessment and
- Indirect Assessment

(The attainment levels by direct (student performance) and indirect (surveys) are to be presented through Program level Course – PO & PSO matrix as indicated).

i) Direct assessment:

The performance of the students in the examinations during the semester in each course is used to compute the level of attainment of the POs through the mapping of questions to COs and COs to POs. The attainments of the POs are then used to compute the level of attainment of the defined PEOs. In order to compute the above attainments individual teacher maps the questions to the defined COs of the course.

CO-PO mapping (Low: 1, Medium: 2, High: 3) for all the courses in the program is prepared

- Direct attainment level of a PO & PSO is determined by taking average across all courses addressing that PO and/or PSO.
- PO Target=Average of each PO correlation level is taken as target attainment for that PO.

$$\text{Direct Assessment} = \frac{\sum((CO \text{ ATTAINMENT}/3) * (PO \text{ TARGET LEVEL}))}{\text{No. of Courses mapped}}$$

ii) Indirect assessment:

The feedback is collected through survey from the outgoing students, employers, alumni and parents regarding the attainment of the POs.

- Indirect attainment level of PO & PSO is determined based on the student exit surveys, alumni survey, employer surveys etc.

The above procedure is also applied for Program Specific Outcomes (PSOs) attainment.

PO Attainment level will be 80% of direct assessment + 20% of indirect assessment