



2.6.2 Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution.

Attainment of Course Outcomes Methods and tools used

Table: 2.6.2.1

Direct Assessment methods	
MID TERM EXAMS	Midterm and University theory exams are used to check up to which level the defined CO's are attained.
UNIVERSITY EXAMS	
LAB EVALUATION	This is a continuous assessment to analyze students' practical knowledge.
LAB INTERNAL ASSESSMENT	Internal and University External practical exams are used to check up to which level the defined CO's attained.
LAB EXTERNAL	
TUTORIAL/ASSIGNMENT	These are methods used to test the analytical skills of the students by making them to find solutions of difficult problems.
OUTCOME BASED APPROACH	It is a tool used to evaluate the real time problem solving skills using techniques like case study, application based questions and projects.

Table: 2.6.2.2

Indirect Assessment methods	
FEEDBACK	It includes students' feedback. It is used to identify the gaps in the curriculum with reference to POs, PSOs and industry perspectives. Based on the feedback short term courses, workshops, seminars etc required to bridge the gap can be organized

Table: 2.6.2.3 CO Assessment Methodology and Tools

CO Assessment Tool	Weightage	Assessment Frequency	Facilitator	Reviewer
MID TERM EXAMS	40%	Twice: Mid Term-I: In the middle of the semester (60% course coverage) Mid Term-II: At the end of semester (40% course coverage)	Course Coordinator	Academic Committee
UNIVERSITY EXAMS	25%	Once: End of semester	Rajasthan Technical University	

TUTORIAL/ASSIGNMENT	15%	one per unit, approximately five in a semester	Course Coordinator	Academic Committee
OUTCOME BASED APPROACH(CASE STUDY/ APPLICATION BASED APPROACH/ PROJECTS)	10%	Once in a semester	Course Coordinator	Academic Committee
FEEDBACK	10%	Student's feedback conducted one's in a semester	Academic Committee	Academic Committee

Attainment of course outcomes with respect to set attainment levels

Table: 2.6.2.4 Attainment Level

S. No.	Tool	Attainment
1	Mid Term Examinations	Attainment Level 1: 50% students scoring more than target% of marks
2	RTU Examinations	Attainment Level 2: 60% students scoring more than target% of marks Attainment Level 3: 70% students scoring more than target% of marks
3	Tutorial / Assignment	Attainment Level 1: 60% students scoring more than target% of marks Attainment Level 2: 70% students scoring more than target% of marks
4	Outcome based approach	Attainment Level 3: 80% students scoring more than target% of marks

Attainment of POs and PSOs Methods and tools used

Table: 2.6.2.5 Methods

Direct Assessment methods	
MID TERM EXAMS	Midterm and University theory exams are used to check up to which level the defined CO's are attained.
UNIVERSITY EXAMS	
TUTORIAL/ASSIGNMENT	These are methods used to test the analytical skills of the students by making them to find solutions of difficult applied problems.
OUTCOME BASED APPROACH	It is a tool used to evaluate the real time problem solving skills using techniques like case study, application based questions and mini projects.
CAREER ORIENTED ACTIVITIES	Methods like Group discussions, Personal Interviews, Mock drives and a aptitude classes are used to test students' logical and inter personal skills.
STUDENT PORTFOLIO	It includes Conferences, technical and social events, and workshops which are conducted to polish the curricular, extracurricular and co-curricular skills of students
Indirect Assessment methods	
FEEDBACK	It includes Program Exit Survey/curriculum and program levels, Parents Survey, Alumni Survey, Employer Survey and students' feedback. . It is used to identify the gaps in the curriculum with reference to POs, PSOs and industry perspectives. Based on the feedback short term courses, workshops, seminars etc. required to bridge the gap can be organized.

**Table: 2.6.2.6: PO and PSO Assessment Methodology and Tools**

PO Assessment Tool	Weightage	Assessment Frequency	Facilitator	Reviewer
CO ATTAINMENT	50%	-	Course Coordinator	Quality Improvement Committee
CAREER ORIENTED ACTIVITIES	15%	Once: End of semester	Placement Coordinator	Quality Improvement Committee
STUDENT PORTFOLIO	15%	Once: End of semester	Tutor	Quality Improvement Committee
FEEDBACK	20%	Twice	Quality Improvement Committee, Principal	Quality Improvement Committee