

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

The institution has made a conscious attempt to shift from the traditional teacher-centric approach to a student-centric one and academic planning is done accordingly. The teachers act as a catalyst and students play dynamic role in the learning process. The teaching pedagogies are styled as per the needs of students. The institute utilizes a blended education approach from its establishment. This provides individualized, student-centered learning atmosphere with increased access to contents. The courses are planned with proper emphasis on pragmatic learning, which is reflected in the teaching plan. The institute provides state of the art seminar halls and classrooms with infrastructure for ICT enabled teaching and learning.

1. Participative learning through regular classes supported with seminars, brainstorming sessions etc.
2. Separate lectures are conducted for soft skills.
3. Videos and animations for different technical concepts are made available to make lectures more interactive.
4. Institute motivates students to participate in various technical events like SAE-BAJA, SAE-TIFAN, Smart India Hackathon, Ready Engineers, Avishkar and DIPEX.
5. For overall development of students, the institute also conducts cultural and technical activities.
6. Experiential learning is supported by industrial and in-house projects.
7. A separate course is available in the university curriculum for seminar and mini project.

Experiential Learning:

Institute promotes experiential learning among students through following

- Laboratory Experiments
- Industrial visits
- Inplant Training
- Expert lectures

Participative Learning:

Institute promotes participative learning among students through following

- Regular classes
- Sport participation
- Technical event organized and participation at our institute
- Technical event participation at other institutes

Problem Solving Approach:

The problem solving methodology helps the student to understand the root cause of the problem and come out with best possible solution. It enhances the critical thinking ability of student's. The below mentioned programs are useful for problem solving approach.

- GIZ Projects
- SAE-BAJA Project
- SAE-TIFAN Project
- Smart India Hackathon Project



INDEX

Sr. No.	Description	Page No.
1	Experiential Learning through Laboratory work	1 to 74
2	Experiential Learning through Industrial Visit	75 to 100
3	Experiential Learning through Inplant Training / Industrial Internships	101 to 167
4	Experiential Learning through Expert Lecture	168 to 199
5	Experiential Learning through NSS Activities	200 to 227
6	Experiential Learning through NCC Activities	228 to 236
7	Experiential Learning through Student (Youth) Exchange Program	237 to 253
8	Experiential Learning through Unnat Bharat Abhiyan	254 to 260
9	Participative Learning through Sport Participation	261 to 267
10	Participative Learning through Technical Event / Poster Presentation	268 to 272
11	Participative Learning through Ready Engineer	273 to 281
12	Participative Learning through participation in DIPEX Competition	282 to 289
13	Problem Solving Methodologies through GIZ Project	290 to 328
14	Problem Solving Methodologies through SAE BAJA	329 to 399
15	Problem Solving Methodologies through SAE TIFAN	400 to 435
16	Problem Solving Methodologies through Smart India Hackathon	436 to 448
17	Individual Learning	449 to 466

Link for the Detail Information:

https://sycet.org/naac/Criteria_2/2.3.1/2.3.1-Detail-Information.pdf

