



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

The development of the students in multiple dimensions is necessary for professional engineering education. These dimensions help the students to excel in Industrial jobs, Entrepreneurship - Start-Ups, Higher education, etc. With this view, in addition to the traditional teaching-learning methods, the Institute provides innovative student-centric methods such as experimental learning, participative learning and problem-solving techniques. Various events, efforts taken in this direction are listed below –

- ❖ Competitions such as Hackathons
- ❖ Internships in Industries
- ❖ Industry visits
- ❖ Various students Clubs (Institute level and department level)
- ❖ Students' Chapters
- ❖ Industrial visits
- ❖ Workshops /Seminars
- ❖ Exposure to Virtual Lab environment through a tie-up with IIT Bombay
- ❖ Review of web literature
- ❖ Guest lectures
- ❖ Group Discussions/Debates
- ❖ Peer learning groups
- ❖ Massive Open On-Line Courses (MOOCs), IIT spoken tutorials, NPTEL, etc.
- ❖ Students Training Programs (STP)
- ❖ Project-based learning
- ❖ Participation in Research projects - Innovation
- ❖ Poster/paper presentations
- ❖ The Entrepreneurship Cell provides the platform for innovative thinkers to take forward their entrepreneurial ideas.

The students participate/undergo different kinds of activities as planned methodological efforts so as to explore their professional capabilities.

### Experiential learning

All the courses are with Problem based Learning approach helps students in learning the concepts by understanding from the practical learning in the laboratories. Various courses help the students in identifying real world problems, designing a solution, implementing it and identifying the scope of development in the future.



# JBIT

## JB Institute of Technology



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### **Experimental Learning**

60% of the courses have a related laboratory course and the programs are classified into closed, semi open, open ended and complex Engineering problems. The institution ensures that the students are able to understand and solve complex engineering problems and provide solutions to real world problems in an ethical manner.

### **Participative Learning**

Students are encouraged to actively participate in the learning process by exposing them to various activity based learning techniques. Internet Hunt, Reacting to situations, Role play, Group Discussions, Quiz etc.

### **Problem solving Methodologies**

Students are provided with hands-on training to enhance the problem solving ability, this develops the ability to convert a real time problem into solvable problem statement. Institution CV Raman centre provides mentoring support to students, to convert their innovative ideas into products, services and technologies.