

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

In addition to traditional teaching-learning methods, the college is highly interested in providing innovative methods for enriching the learning experience. The methodologies include illustration and special lectures, field study, project-based-methods, experimental methods. The facilities arranged by the institute are listed below.

#### **1. Experiential Learning**

##### **1.1 Project work**

- According to university **Curriculum**, project work is organized in two phases
  - 1) Mini project**
  - 2) Major Projects**  
this is an essential part of every programme to complete the degree which is to be done by every student in final year.
- Internship or Field Projects in industry

##### **1.2 Live Project**

Student are encouraged and mentored to do live project in NewGen IEDC, DST, and MSME.

##### **1.3 Industrial Visits**

Student are regularly visiting different industries to have exposure of industrial work culture and they also learn the actual implementation of technology in manufacturing or service industries.

#### **2. Participated Learning:**

Through participating learning student are engaged in different activities as follows

**2.1 COE:** College has setup center of excellence in emerging technologies in collaboration with leading industries as Rockwell automation, NI, SMC Pneumatics, Salt, e-Yentra(IITB) etc. and student are getting free training in these technologies.

**2.2 Innovation:-** Student are engaged to do project based on innovative idea.

**2.3 Tech Fest:-** Every Year college is organizing inter college tech fest- Techtrix which is an in house platform for our student to showcase their innovative project. Student are also regularly participating in Zonal, Regional, and national technical Fest organized by different premier institution.

#### **3. Problem solving Methodology**

**3.1 Simulation:** Simulation of different engineering models are done by through different simulating software for solving of real time problems.

**3.2 Case Studies:** To enhance the logical thinking and practical knowledge of student case studies in B.Tech and MBA courses are done.

**3.3 Live Programme:** Expert Talks, Quiz, Cultural Programme, Poster presentation etc are regularly organized by different departments.

**3.4 Incubation:** College is having well functional business incubation center to nurture the innovative idea of the student and faculties members.

**3.5 Coding:** All branches student are participating in coding events to enhance their logical skill.

**3.6 Prototype Creation:** Student have created prototype model