

Institutional Distinctiveness

Skill-based engineers are the need of industries. It is necessary to provide skill-based education to bridge the gap between academia and industries. To build a globally competent engineering professional, Industry-oriented skills should be developed. Skilled graduates should be able to provide solutions for complex engineering problems related to societies and industries. To achieve this through the comprehensive progress of students, we have majorly focused on strict academics, co-curricular and extra-curricular activities, project-based learning, internships, training, and placement activities through soft skill training sessions. For the comprehensive development of students, the college has an Institute Innovation Cell (IIC), a Research and Development (R & D) cell, an Industry-Institute Interaction (III) Cell, social activities under the NSS unit, sports activities under NCER sports club and cultural activities under Kala-Darpan club etc.

The students are participated in all the above-mentioned activities with full enthusiasm and achieved remarkable outcomes as mentioned below.

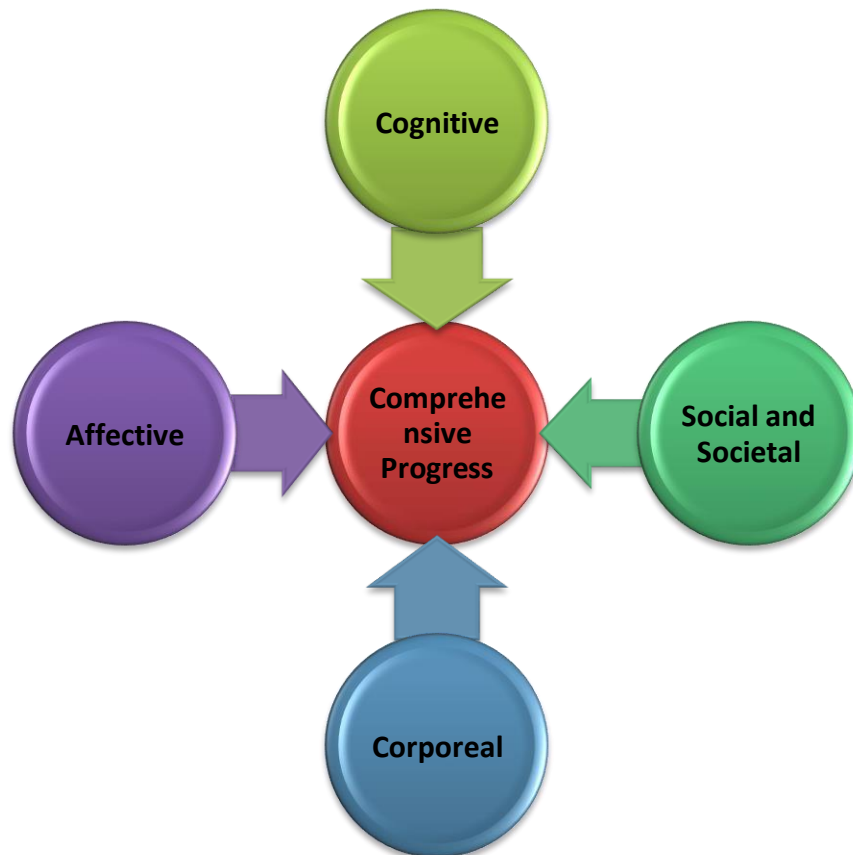


Figure: Distinctiveness through comprehensive development of students

➤ **Cognitive Progress**

- **Objective:** To enhance the analytical and critical thinking of students, problem formulation, and problem solution through emerging technologies, and innovations for professional growth.
- **List of activities:**
 - 1) The research activities have been enhanced by the Research and Institute Innovation Cell (IIC). More than 450 Publications in journals, Conferences, Patent filed, and Copyrights. The total 200+ activities have been organized for the capacity building through Training and Placement Cell, Clubs and students' associations etc. The college have organized training sessions, career counseling sessions, etc. through the industry institute interaction cell.
 - 2) Industry Institute Interaction cell signed MoUs with the various Industries. Through this cell, all departments organized industrial visits and internships to enhance skill-based knowledge through practical exposure. More than 1000 students got internships in various industries and completed successfully. A total of 30+ National/ International active MoUs and 51 industrial visits were done through the IIC.
 - 3) Project-based learning is one of the most important aspects to enhance the industry-based skills of students. The total PBL participations are more than 3500.

➤ **Social and Societal Progress**

- **Objective: To expose societal issues provide solutions through technical means and handle social issues in the surrounding area through NSS.**
- **Activities Organized:**
 - 1) NSS Activities
 - 2) Society-related issues have been solved through project-based learning.
 - 3) Cultural activities to acquire new skills that can be applied to their lives, such as leadership, teamwork, and collaboration.

➤ **Corporeal Progress**

- **Objective:** To acquire physical fitness, and inner strength and enhance mental health through sports, yoga, and motor skills.

The sports activities are organized on the annual sports days through Aagaz. The boys and girls have participated in various games like Chess, Badminton, Cricket, Holly ball, Football, etc. to showcase their sportsmanship, ethics, moral values, team-building abilities, and time management skills. The students have actively participated in outreach activities and given remarkable outcomes in the form of 30+ recognitions and awards in various categories.

➤ **Affective Progress**

- **Objective:** To enhance personal and academic success with ethics and moral values through regular mentoring/counseling of students.

The college has a well-structured guardian faculty member (GFM) scheme through which the faculty members always try to boost the confidence of students, helping to solve problems related to academics and personal, focusing on each student with academic progress and regular counseling for the activeness of students. Regular discussion with parents about the progress of their ward through telephone and parent-teacher meetings. A group of 20 to 25 students has been handled by each faculty member for the purpose of overall growth through proper counseling.

Due to the approach of comprehensive progress, NCER graduates are able to solve societal and industrial problems, able to work in a team with all team management skills viz. communication skills, time and personal management, etc. for remarkable outcomes. The students are mentally and physically strong to achieve a specific goals.