



## SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

Kuniamuthur, Coimbatore. Tamil Nadu 641008  
(An Autonomous Institution Affiliated to Anna University, Chennai)



### **2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experience and teachers use ICT- enabled tools including online resources for effective teaching and learning process**

The Institution adapts various student-centric learning innovations which empower students to learn independently, fostering holistic development and uncovering latent skills. The integration of ICT enabled tools including online resources serves as catalyst for effective teaching and learning process.

**Experiential Learning** The curriculum seamlessly combines theoretical knowledge with practical application, promoting hands-on experience and enhancing active learning, critical thinking and knowledge application. A 21-days internship is integrated into the curriculum, serving as a bridge between the academic and industrial realms. Students are driven to investigate real-time issues through research projects, motivating them to publish their project outcomes in journals and conferences. Motivating the students to coordinate in Institute/ department level events like workshops or club activities to enrich their Leadership quality.

**Participative Learning** Institute encourages students to actively participate in discussions, group activities and presentation. It empowers students to express their ideas, encourage in constructive dialog and learn from their peers' experiences and viewpoints. Activities including Smart India Hackathon, e-Kart design challenge, EK Bharat Shreshtha Bharat, Swachh Bharat Mission, NSS, Swachhta Pakhwada, USVA, UYIR, participation in various technical and professional organizations, coupled with involvement in various club activities enriches their collaborative learning experience. Self-directed learning is actively promoted by encouraging students to embark on online courses such as Swayam NPTEL,





edX, and Coursera. The successful completion of MOOC certifications is duly recognized with additional credits. Students' engagement in outreach activities provide further avenues to enhance their societal concern and contribute to the development of products of social importance.

**Problem-Solving Methodologies:** It encourages student to think critically apply theoretical knowledge in practical contexts, and develop a growth mindset. The synthesis of theoretical foundations with hands-on coding and the integration of simulation tools and virtual labs serves as an effective conduit for furnishing students with practical experiences in analytical and problem-solving methodologies. Students coding skill is enriched by participating in various daily/weekly practices which includes: Problem of the Day, Weekend Coding, Coding Platforms. The pedagogical approach of industry experts in block teaching sessions strike a harmonious equilibrium between theoretical concepts and the practical nuances of coding.

**ICT enabled Tools:** The institute has 5 seminar halls and 115 smart classrooms with LCD projector and Smart Board/Smart TV with 24/7 Wi-Fi connectivity to provide flipped and blended learning experience to the students. ICT elements are integrated into the course materials of pertinent Engineering disciplines. Students learn how to navigate online resources and leverage technology to communicate, collaborate and solve problems effectively.

**Blended Learning:** Enhancing the teaching-learning process through ICT, the institution integrates traditional theory and practical sessions, providing access to diverse digital resources, including digital libraries, MOOCs, NPTEL courses, online journals, tests, educational videos, and non-print materials. Additionally, online quizzes and assignment submissions enable continuous monitoring of students' progress. Amidst the 2021-22 pandemic, a total of 1716 GCRs were generated for Theory and Laboratory courses, with classes conducted via GCR meet links. This approach amplifies the effectiveness of student-centric methods like experiential learning, participative learning, and problem-solving methodologies in both classroom and online learning.

## FILE DESCRIPTION

| Students centric learning     |   |
|-------------------------------|---|
| Experiential Learning         |  |
| Participative Learning        |  |
| Problem Solving Methodologies |  |
| ICT enabled tools             |  |