## Long Term Goals

- To impart quality technical education in the area of Chemical Engineering in order to meet the challenges of industry and society.
- To establish the centre of excellence in the emerging areas of the Chemical Engineering.
- To encourage the students become an entrepreneur.
- To apply and obtain funds from various agencies like AICTE, UGC, DST, DBT, BARC, SERB, and others.
- To develop new, sustainable, processes technologies.
- To upgrade the facilities in the department to meet the technology and R & D needs of industries in the neighbourhood.
- To elevate the department to the level of those in premier national institutions.
- To promote quality research and undertake research projects keeping in view their relevance to needs and requirements of technology in local industry.
- To build & promote teams of experts in the upcoming specializations.

## Short Term Goals

- To update the better educational environment and focus on the industrial collaboration by bridging the gap between industry-institute.
- Training students to develop technological capabilities, team spirit, and leadership qualities.
- Establishing research and innovation culture among students.
- To provide the better core chemical engineering placement opportunities to the students.
- To train the students in the soft skill, Aptitude and motivate for GRE, TOEFL, CAT, GMAT tests
- Maintaining academic excellence by incorporating latest teaching aids.
- To organize the various events and short-term courses in the area of chemical engineering.
- Assist slow learners to enhance their learning skills and provide co-curricular and extra-curricular guidance through the proctor system to all students to enable them to excel.
- Improving alumni network for mutual benefit.
- To arrange Special classes for rural students for improving their Communication Skills.

**Thrust Areas:**

- Membrane Separation Processes
- Waste Water Treatment
- Nanotechnology
- Environmental Engineering
- Solar Hydrogen-Electro and Photocatalysts
- Energy Engineering
- Micro Reactors
- Fluidization Engineering
- Modelling, Simulation and Optimization

**Strategic Plan**

1. **Excellence in Research and Promote Student Success**: Sustain and enhance excellence in scholarship and research to lead our fields with breakthrough technology, fundamental understanding, and training of students capable of setting the future research agenda. We will grow and diversify our student populations and produce graduates that are well-equipped to succeed in an engineering career, advanced studies, and other professional paths, including careers in research and development for our graduate students.
2. **Strengthen Academic Quality and Reputation:** We will attract and retain the best faculty in the country; promote excellence in teaching, research, innovation, entrepreneurship, and service; and strive to be recognized as one of the top research and graduate departments in the world.
3. **Pursue Globally Significant Challenges:** Pursue globally significant challenges in energy, the environment, technology, and health to improve the lives of all people
4. **Inspire Creativity and Entrepreneurship:** Inspire creative and entrepreneurial thinking to nurture innovation that leads to new approaches to difficult problems and opportunities to translate solutions into real world settings.
5. **Ethics, Sustainability, and Safety:** Embody principles of ethics, sustainability, and safety in engineering practice to produce engineers who face competing interests and inequalities with the utmost integrity
6. **Lead Chemical Engineering in Diversity, Equity, and Inclusion:** Lead diversity, equity, and inclusion practices in chemical engineering to increase participation of individuals from underrepresented groups at all levels in academia and industry and realize the benefits of diverse thought.