- **Department Name :-_CSE (AI&ML)**
- **UG Program Name :-_ CSE (AI&ML**
- **Vision and Mission**

VISION

Vision

To be a renowned department for education in Computer Science and Engineering (Artificial Intelligence and Machine Learning) for moulding students into professionals with research aptitude and innovation.

Mission

- ➢ To offer high quality education through state of art curriculum and innovative teaching & learning practices
- ➢ To establish state of art laboratories and center of excellence in the emerging fields of AI and ML
- ➢ To mould students to be technically competent through innovation and leadership
- ➢ To inculcate problem solving aptitude in graduates with lifelong learning skills to become valuable resource for industry and society
- ➢ To adopt professional practice, standards and ethical values

Programme Educational Objectives

- **PEO1:** To inculcate required scientific and engineering breadth over various domains of AI & ML stream so as to comprehend, analyze, design and create novel solutions

- **PEO2:** To develop expertise in AI & ML field which will deliver technically feasible, commercially viable and socially acceptable solutions to real-world problems while adhering to ethical norms in trans-disciplinary initiatives

- **PEO3:** To enhance capability for fostering research, higher studies and nurture entrepreneurial talents by upgrading their skill sets over new technologies through a lifelong learning mindset

Sr. No.	Program Outcomes
1.	**Engineering knowledge:** Comprehend the fundamental knowledge related to domains of statistical mathematics, science and engineering specialization to articulate complex engineering issues
2.	**Problem analysis**: Recognize the research gaps and formulate the substantial view underlying decisive analysis to project critical conclusions over engineering problems

Sr. No.	Program Outcomes
3.	**Design/development of solutions**: Develop an aptitude to streamline processes for designing system components addressing specific needs of complex engineering problems
4.	**Conduct investigations of complex problems**: Inculcate research oriented propensity and apply methodology to analyze data and design experimentations while articulating scope to provide valid conclusions
5.	**Modern tool usage**: Opt, train and apply suitable advance IT tools and techniques in cutting edges of AI & ML field to leverage the business cohort's
6.	**The engineer and society**: Identify the role of engineers in societal development and contextually extend the services of AI & ML inline to realm of healthcare, security and cultural issues
7.	**Environment and sustainability**: Follow the standards practices for conservation of environment and develop the proficient sustainable engineering solutions
8.	**Ethics**: Practice the core values underlining the ethical principles and commitment towards professional responsibilities
9.	**Individual and team work**: Work efficiently as an individual/member in a team with effectively addressing the leadership qualities in multidisciplinary teams
10.	**Communication**: Communicate in point of fact on complex engineering activities with society at large encompassing the vital ability to comprehend, design and write effective reports along with effective presentations
11.	**Project management and finance**: Demonstrate the knowledge of engineering and management principles for standard project development in team/individual essentially mitigating multidisciplinary environment
12.	**Life-long learning**: Identify the need and elevate the ability to engage in independent as well as life-long learning to acquaint technological changes for betterment of mankind

Sr. No.	Program Specific Outcomes
1.	**PSO1:** Design and develop applications of AI & ML for Data analytics, Augmented / Virtual Reality (AR/VR), health care systems and allied domains
2.	**PSO2:** Utilize dynamic up-scaling of AI and ML techniques for industrial applications in the areas including Robotics, Autonomous Systems, Natural Language Processing, IOT, Cloud Computing, Security, Networks, Computing, Open source technologies and emerging areas
3.	**PSO3:** Demonstrate use of AI and ML techniques for solutions of real life problems