

CAREER OPPORTUNITIES B.Tech.(AI&DS)

- Artificial Intelligence Engineer.
- AR/VR Designer and Developer.
- Data Analyst.
- Big Data Engineer.
- Data Scientist.
- Business Intelligence Developer.
- Artificial Intelligence Research Scientist.
- AI Data Analyst.
- Computer Vision Engineer.
- Data Architect.
- Data Engineer.
- NLP Engineer.
- Robotics Scientist.
- AI Researcher.
- Machine and Deep Learning Engineer.

SKILL GAINED

1. Ability to frame business problems as data science challenges and develop innovative solutions using AI and machine learning techniques.
2. Awareness of ethical implications related to data privacy, bias, fairness, and transparency in AI and data science applications.
3. Strong proficiency in programming and scripting languages for designing, implementation, data manipulation and analysis.
4. Knowledge of optimization algorithms used in machine learning models, stochastic gradient descent and genetic algorithms

SKILL DEVELOPMENT



VALUE ADDED COURSES

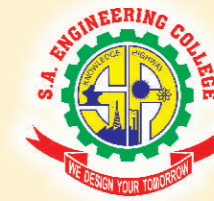


RECRUITERS



CONTACT US

- 📍 Poonamallee - Avadi Main Road, Thiruverkadu, Chennai - 600 077, Tamil Nadu, India.
- ☎️ 044-2680 1999 / 2680 1499 / 99414 97973
- ✉️ saec@saec.ac.in 🌐 www.saec.ac.in
- ✂️ /saectweets
- 📺 /SAEngineeringCollegeAutonomous
- 📷 /saec_autonomous
- 📘 /saecautonomous



S.A. ENGINEERING COLLEGE

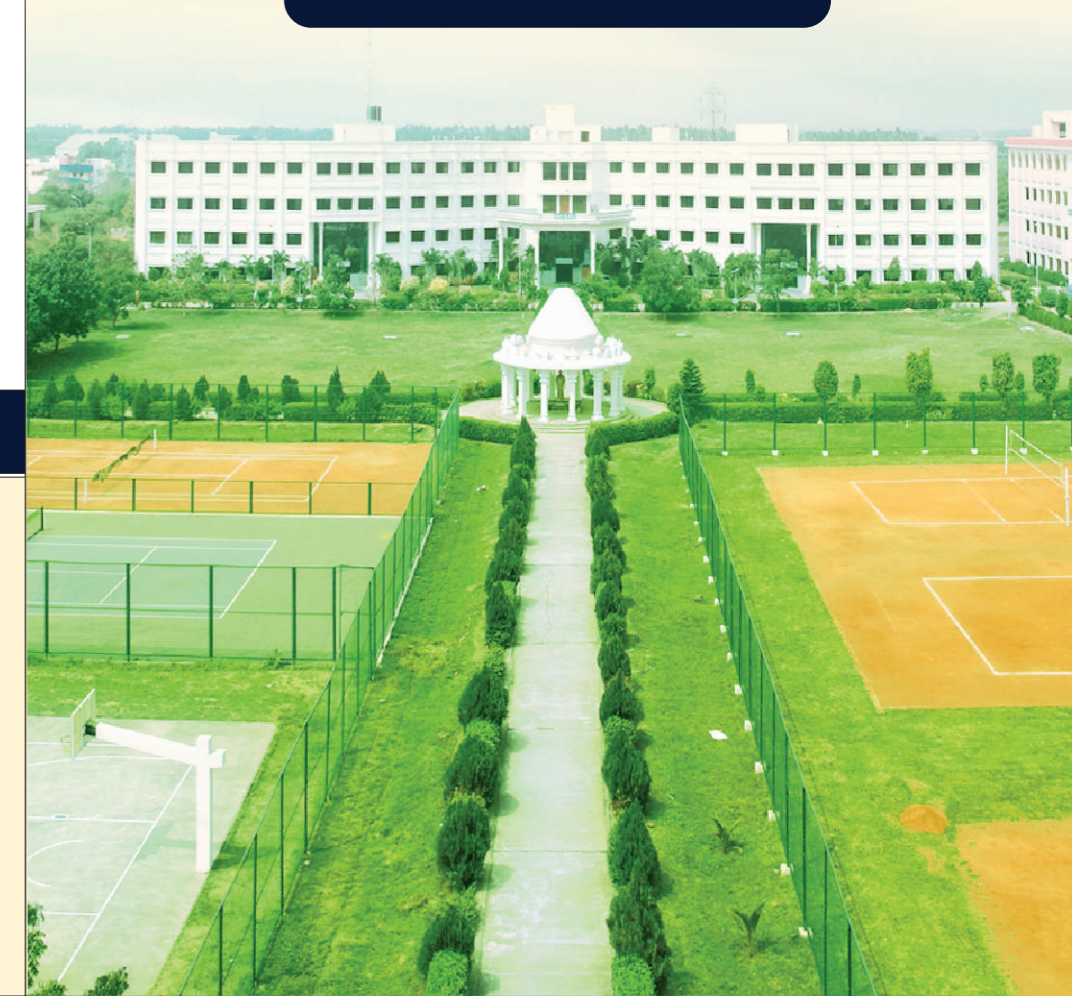
(Autonomous - Institute Level Research Center,
Affiliated to Anna University, Chennai)

Accredited by NAAC with 'A' Grade &
ISO 9001:2015 Certified Institution

Poonamallee - Avadi Main Road, Veeraraghavapuram,
Thiruverkadu, Chennai - 600 077.

DEPARTMENT OF
ARTIFICIAL INTELLIGENCE & DATA SCIENCE
B.Tech - (AI & DS)

Counselling Code
1114



EVENTS

GUEST LECTURE & SEMINAR



INDUSTRIAL VISIT



CLUB ACTIVITIES



QUIZ CLUB

AI CLUB

INTERACTIVE CLUB

OTHER EVENTS

CULTURALS



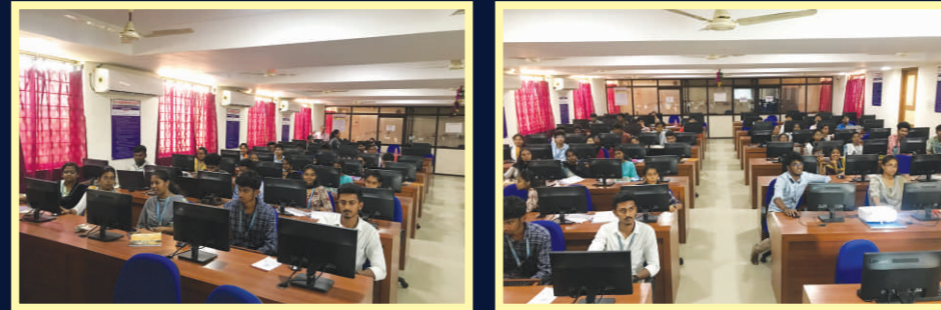
SPORTS



PONGAL CELEBRATION



LABORATORY



LIBRARY



CLASS ROOM



VALUE ADDED COURSES



SYMPOSIUM



COURSE & CONTENT DELIVERY

REQUIRED COURSES

- Problem Solving and Python Programming.
- Introduction to Data Science.
- Fundamentals of Artificial Intelligence.
- Data Analytics
- Natural Language Processing.
- Machine Learning Techniques.
- Advanced Artificial Intelligence.
- Data Visualization.
- Big data Analytics.
- Deep Learning.
- Calculus and its application.
- Discrete mathematics.
- Computational Statistics.
- Linear Algebra and optimization techniques.
- Computer vision.
- Advanced scripting language.
- Data Structures.

ELECTIVE COURSES

- Virtual and Augmented Reality.
- Business Intelligence.
- Speech Processing.
- Human Intelligent System.
- Fuzzy logic for Data Science.
- Optimization in ML.
- Intelligent Information Retrieval.
- Optimization for Data Science.
- Business Data Analytics.
- Large-Scale Visual Analytics.
- Real Time Video AI Technologies.
- Game Theory for AI Technologies.
- Robotics.
- R-Programming language.
- Cyber security.
- IOT Technologies.
- Block chain Technologies.
- Quantum computing.
- Cloud computing.