S.A. ENGINEERING COLLEGE

Accrredited by NAAC with 'A' Grade
Poonamallee - Avadi Main Road, Thiruverkadu, Chennai - 600 077
(An Autonomous Institution Affiliated to Anna University)

DEPARTMENT OF MECHANICAL ENGINEERING

M.E. CAD/CAM

COUNSELLING CODE 1114

Admissions Open

RESEARCH OPPURTUNITIES

- ➤ **Anna University** recognised **Research Center** since **2010**
- ➤ **CAD/CAM** - Established in **2014**
- ➤ **7** Batches Graduated with an average CGPA of **8.12** in **25 Years** of Excellence
- ➤ Oppurtunity to participate in **Govt. Projects**

CAREER OPPURTUNITIES

- ➤ **CAD/CAM Engineer**
- ➤ **CAM Specialist**
- ➤ **Product Development Engineer**
- ➤ **Product Design & Prototyping Head**
- ➤ **Simulation Engineer**
- ➤ **Assistant Professor**
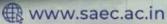- ➤ **Technical Head in Product based companies**

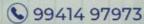## EMINENT FACULTY MEMBERS

- ➤ **Experienced Faculty** with **1.1 Crore** worth **Central Govt. funded projects**
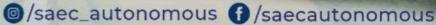- ➤ **Industry trained Lab Technicians**
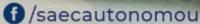
SALIENT FEATURES OF M.E. CAD/CAM

- ➤ Latest Research setups like **Friction Stir Welding Machine**, Reverse Engineering Setup with **CNC, CMM Machine** & licencsed
- ➤ **CREO & ANSYS software**

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CHOICE BASED CREDIT SYSTEM

SEMESTER - I

- Applied Mathematics for Engineers
- Computer Applications in Design
- Computer Aided Tools for Manufacturing
- Competitive Manufacturing Systems
- Advanced Finite Element Analysis
- Professional Elective I

SEMESTER - III & IV

- Product Lifecycle Management
- Professional Electives IV
- Professional Electives V
- Project Phase - I
- Project Phase - II

SEMESTER - II

- Design for Manufacture & Assembly
- Additive Manufacturing and Tooling
- Mechanical Behavior of Materials
- Integrated Product Design and Process Development
- Professional Electives II & III

MAJOR ELECTIVES OFFERED

- Optimization Techniques in Design
- Advanced Tool Design
- Computational Fluid Dynamics
- Integrated Mechanical Design
- Composite Materials and Mechanics
- Design for Internet of Things

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