

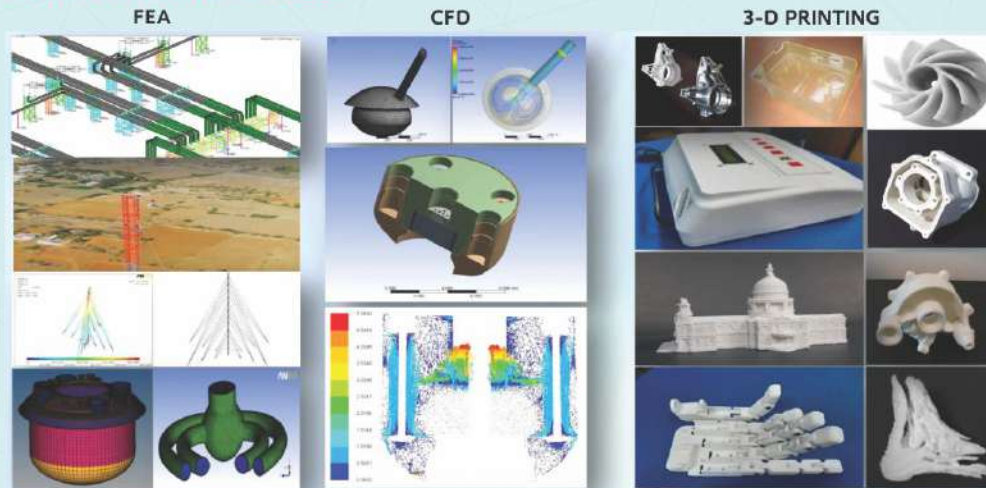
SOFTWARE

MODELLING	▶ CATIA V5-6 R2019	▶ SOLID WORKS 2020	▶ UNIGRAPHICS NX 1872
ANALYSIS	▶ ANSYS 2020 R1	▶ ANSYS Fluent (CFD) 2020 R1	▶ ABAQUS 2019
	▶ HYPERMESH 2019	▶ STAAD PRO V21	▶ SIMUFACT Forming 16
	▶ MSC NASTRAN 2019	▶ MSC PATRAN 2019	▶ MSC ADAMS 2019
	▶ MSC DYTRAN 2019	▶ MSC MARC 2019	▶ MSC FATIGUE 2019
PLM	▶ ENOVIA 2020X		
MANUFACTURING	▶ MASTER CAM 2020	▶ UNIGRAPHICS NX 1872	

EXTENSION ACTIVITIES - Training for students & Industry Personnel

▶ ARTIFICIAL INTELLIGENCE & MACHINE LEARNING	▶ GENERATIVE DESIGN & TOPOLOGY OPTIMISATION	▶ PLM (ENOVIA 2020X)	▶ HYPERMESH 2019	▶ ABAQUS 2019
▶ INTERNET OF THINGS (IOT)	▶ BIO PRINTING	▶ CATIA V5-6 R2019	▶ ANSYS FLUENT (CFD) 2020 R1	▶ SOLID WORKS 2020
▶ ELECTRIC AND HYBRID VEHICLES	▶ 3-D PRINTING	▶ ANSYS 2020 R1	▶ ADAMS 2019	▶ CNC PROGRAMMING USING MASTER CAM 2020

MAJOR PROJECTS HANDLED



POST GRADUATE DEGREE PROGRAMME

AU-FRG ICC offers a Post Graduate Degree programme on M.E. Product Design and Development in Part time mode (3 years) with latest curriculum and syllabi framed to suit the needs of the Industries.



AU-FRG Institute for CAD/CAM

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25 Years of Excellence in CAD/CAM/CAE & New Product Development
Step in for your Design to Product Realisation needs



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AU-FRG INSTITUTE FOR CAD/CAM

Anna University has been in the forefront of International co-operation programmes in Engineering and Technology and has received financial and expert assistance from many developed countries for enhancement of infrastructural facilities in emerging areas of technology.

AU-FRG Institute for CAD/CAM was established at Anna University, in Feb 1996 with assistance from the Federal Republic of Germany (FRG) amounting to D.M. 1.4 million. The major objective of AU-FRG Institute for CAD/CAM is to provide comprehensive technical assistance to the Indian Industries in enhancing their productivity and product design capabilities at optimal cost, thus enabling them to become global players, with the deployment of these emerging tools of modern technology.

AU-FRG Institute for CAD/CAM with its unique strength of experts with vast experience in various Engineering fields has been consistently able to carry out Industrial projects by using the latest available hardware and software facilities. Projects involving New product Design and Development, Engineering analysis & Flow analysis have been handled successfully for many Industries, Research establishments, Government organizations and Medical field.

FACULTY DETAILS

NAME	EXPERTISE
Prof. Dr. M PRADEEP KUMAR Professor & Director	<ul style="list-style-type: none"> ▶ CAD/CAM ▶ Additive Manufacturing ▶ Product Design & Development ▶ Finite Element Analysis
Prof. Dr. K SHANMUGA SUNDARAM Professor & Additional Director	<ul style="list-style-type: none"> ▶ Product Design & Development ▶ Additive Manufacturing ▶ Hydraulics & Pneumatics ▶ Metal Matrix Composites
Dr. R MURUGANANDHAN Associate Professor	<ul style="list-style-type: none"> ▶ Computer Aided Engineering ▶ Machine Design ▶ Finite Element Analysis ▶ FEA & Fracture Mechanics ▶ PLM
Dr. K MALARMOHAN Assistant Professor (Sr. Gr)	<ul style="list-style-type: none"> ▶ Mechanical Vibration ▶ Machine Design ▶ Finite Element Method
Dr. S RAGAVANANTHAM Assistant Professor (Sr. Gr)	<ul style="list-style-type: none"> ▶ Finite Element Analysis ▶ Machine Design ▶ Condition Monitoring

FACILITIES



TRAINING BAY



SEMINAR HALL



CONFERENCE ROOM



PROJECT BAY



CLASS ROOM



LIBRARY

AU-FRG INSTITUTE FOR CAD/CAM

INDUSTRIAL COLLABORATION



RESEARCH & CONSULTANCY AREAS

- ▶ New Product Design & Development
- ▶ Generative Design & Topology Optimization
- ▶ Product Life Cycle Management
- ▶ Computer Aided Product Design
- ▶ Computer Aided Manufacturing
- ▶ Rapid Prototyping
- ▶ Additive Manufacturing
- ▶ Reverse Engineering
- ▶ Stress & Vibration Analysis
- ▶ Dynamic Analysis
- ▶ Flow & Thermal Analysis
- ▶ Non Linear Analysis

RAPID PROTOTYPING



3D Printing EDEN 260V



Uprint SE 260V



AccuraCraft i250+260V

HARDWARE

- ▶ DELL PowerEdge T440 Tower Server
- ▶ WIPRO server with Quad Processors and 8 GB RAM
- ▶ Networked HP, DELL & FUJITSU CAD workstations – 62Nos
- ▶ HP Z800 workstation with 12 core processor and 16GB RAM