



KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY
Deemed to be University U/S 3 of the UGC Act, 1956
SCHOOL OF MECHANICAL ENGINEERING



School of Mechanical Engineering, KIIT

Information Brochure

School of Mechanical Engineering (SME): **Mission & Vision**



School of Mechanical Engineering (SME) is among the top rated schools of the University leading in placements, research projects, collaborations, technology incubation and entrepreneurship. The undergraduate courses are designed keeping in view of evolution and requirements of industries. Students get platforms to showcase their talents to global audience, through student exchange programs with foreign universities and internships. The school offers open elective courses and honors courses, along with different minor courses for the students interested in interdisciplinary programs. The school houses many state-of-art academic and research laboratories to supplement classroom teaching by providing hands on experience to students. The school is determined to produce high quality students through world class education and research with focused application in the diversified fields of Mechanical Engineering.



Programs Offered in SME

> Under-Graduate Programs (4 years)

- B.Tech. in Mechanical Engineering
- B.Tech. in Mechanical (Automobile) Engineering
- B.Tech. in Mechatronics Engineering
- B.Tech. in Aerospace Engineering

> Post-Graduate Programs (2 years)

M.Tech. in Mechanical Engineering specializations:

- Manufacturing Processes & Systems
- Thermal Engineering
- Machine Design

> Doctoral Program- Ph.D. in Mechanical Engineering

- Admission to the above programs is through KIIT Entrance Examination (KIITEE) only.
- Admission to PG programs is also accepted through GATE Score.
- AICTE sponsored scholarship is available for GATE qualified PG students.

Why SME, KIIT?



Learn from the Best

- Qualified and experienced faculties from IISC, IITs, NITs and foreign universities.

Choice based and Inter-disciplinary Learning

- Choice based learning - Large number of options for Inter-departmental/industrial elective courses. Students are allowed to choose faculties of their choice.
- Cross-disciplinary expertise through Minor (interdisciplinary) and Honors courses in B.Tech.

Industry Relevant Teaching Pedagogy

- Students can earn academic credits through internships and industry projects
- Industry 4.0 focused learning through IoT, Robotics, Simulation, Design and Analysis software and Coding in high level computerized environment

Project based Learning

- Emphasis on Project based learning - Students are encouraged to design, manufacture, test and commercialize their own products (cars, drones, robots etc.).
- Students are encouraged to initialize their own start-ups through KIIT-TBI.

International Exposure

- Study Abroad - Interested students spend semester abroad through exchange programs with foreign universities.
- Study with the international students as their classmates.

Accreditation



A++ Grade

Accredited by NAAC



Accredited by

IET UK

IET The Institution of
Engineering and Technology

Tier 1

Accreditation
Washington Accord



All engineering programs
accredited by

ABET USA



State of the Art Infrastructure



Numerous state-of-the-art facilities are available to supplement classroom teaching by providing hands on experience to students:

- Material Testing
- I C Engine
- Refrigeration and Air Conditioning
- Metrology & Instrumentation
- Applied Mechanics & Dynamics
- Vibration & M/C Condition Monitoring
- Advanced Manufacturing Process
- CIM & Robotics
- Aero Structures
- Aero Propulsion
- Aerodynamics
- Central Workshop
- Hydraulic Machines
- Heat Transfer
- Automobile Workshop
- CADD Centre
- Fluid Mechanics
- Machining Research
- Aero Engine Bay
- Computer Aided Engineering
- Mechatronics



Computational Facilities



Computational labs (CAE and CADD Centre) are equipped with advanced workstations for high performance computing. Students learn computing/simulation skills for application in addressing core engineering problems. Licensed versions of the following software are available:

- CATIA
- MSC NASTRAN/PATRAN
- STAR-CD & Pro-star
- AUTODESK Inventor Series
- CNC Turn and MILL (Fanuc OT and OM)
- Automation Studio
- Espirit CAM
- VR CIM
- SOLIDWORKS
- Workspace Robotic Simulation Software
- LABVIEW DAS Software
- MINITAB 17.0 Software
- MATLAB 7.0 Software
- ANSYS-FLUENT 13.0/14.0 Software
- Altair Hyper Works Bundle
- MSC Adams and Adams Car (Motion Bundle)



Centers of Excellence

- Siemens Centre of Excellence
- SKF Reliability Centre
- NI Innovation Centre
- Production Research Centre
- Thermal Research Centre
- Composites Development & Characterization Laboratory
- Green Engine Technology Center



Notable Recruiters



Notable Alumni

Ms. Shikha Singh, Mercedes-Benz India, Pune

Ms. Ruchika Pandey, Airbus, Bangalore

Ms. Shambhavi Sinha, Volvo Group India, Bangalore

Ms. Divya Sahini, Graduate Apprentice, Robert Bosch GmbH

Mr. Uma Shanka Gupta, BrahMos Aerospace, Hyderabad

Mr. Avinash Kumar Singh, Founder & CEO - DIYguru

Mr. Utsav Khan, Product Owner and Function Developer of Vehicle Motion Control at China Euro Vehicle Technology, Sweden

Mr. Vikas Kumar Gupta, ISRO, Nagarkoil

Mr. Ayushman Patnaik, Assistant Manager at TATA Steel Ltd.



Contact Us



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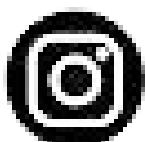
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Virtual Campus Tour: <https://kiit.ac.in/tour/>



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