

M. Tech. CAD-CAM (Flexible Timing)

Admissions Open



Department of Mechanical Engineering



Surface Roughness Tester

Engine Exhaust Emission Tester

Electric Discharge Machine

ROBO lab 4.0

Vertical Machining Center

3D Printer

Coordinate Measuring Machine

Cryogenic Treatment Chamber

Machine shop

CNC Turning Center

Brake Pad Test Rig

For further information, contact Admission Coordinator

Admission Coordinator

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Admission Help-desk

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Major Facilities

Laboratories have high-end infrastructure with industry & research standard equipment such as

- CNC Turning Center (BATLIBOI, with SIEMENS 828D Controller)
- CNC Vertical Machining Center (BFW, with FANUC Controller)
- Pin on Disc Wear Tester (DUCOM)
- Image Analyzer with Microscope (METCO)
- Coordinate Measuring Machine (TESA Micro-hite 3D)
- Surface Roughness Tester (Taylor Hobson Talysurf)
- CCD & CMOS Cameras for High Resolution Imaging (BASLER)
- Programmable Logic Controller (PLC) for Automation (FANUC)
- 16 Channel Data Acquisition System (NI)
- Electric Discharge Machine (ELECTRONICA)
- Vision System (NI)
- Acoustic Emission Sensor with Digital Oscilloscope (AGILENT)
- Vibration Sensors, Shakers and DAQ (ATALON)
- Cryogenic Treatment Chamber (CRYO SCIENTIFIC)
- Chase Friction Testing Machine (SAE J661)
- 3D Printer (OLIVETTI 3D)
- MIG & TIG Welding (FRONIUS)
- Engine Exhaust Emission Tester (KANE)
- Research Engine Test Setup (KIRLOSKAR)

Salient Features

- Year of Inception 1984
- Highly Qualified Faculty Members
- Contemporary Laboratory Facilities
- Updated Curriculum Aligned with Emerging Trends in Technology
- Experiencing the usage of State of the art Modeling and Analysis Software Tools
- Opportunities for Participation in Society Demanding Research Projects

Value-added Programmes

- Robotics with NSDC Certification
- CATIA 3D Experience Basics & Advance Modules by Dassault Systemes

Industry Internship

Association with Industries (MoUs)



Major Software

LabVIEW 15 users	ANSYS 2022 100 (Teaching) 10 (Research)	MATLAB V8 R2013a 100 users	LS-DYNA 971_R7 2 users	Hyperworks 2017 250 users	Siemens NX 12.0 30 users	PTC / Creo 7 500 users

Representative Companies Offering Campus Placements

Students Testimonials



I. Mohamed Nathersha (2022 -2024)

Crescent has helped me to dream big. I had the opportunity to develop good friend circle, cherishable memories and most importantly acquired knowledge. I would like to thank the Crescent management, HoD and Faculty Members of Mechanical Department for shaping my life in a fruitful way and motivating me to reach greater heights in my professional life.



R.S. Sagee Raj (2022 -2024)

The department has a dedicated team of knowledgeable professors who are passionate in teaching and always readily approachable to provide technical guidance. The department faculty as a whole has molded me to think critically, solve complex problems, and apply theory to real-world situations. I'm confident that the skills and knowledge I'm gaining here will make me successful in my career. I am very confident of getting placed in a core company through our placement cell.



Vignesh. P. (2021 -2023)

As a B.Tech Mechanical alumni (2017–2021) of Crescent, I am pursuing M. Tech. CAD-CAM. The curriculum that is framed caters to the needs of modern technological advancements. Apart from getting a sound technical knowledge, I also learned the importance of soft-skills, in particular, time management from the department faculty members, which has helped me ensure on-time delivery/submissions of assignments/projects. I am pleased to let you know that I got placed in the R&D department of **SCHWING STETTER INDIA Pvt. Ltd.**

Alumni Testimonials



Magendiran (2019 -2021)



I was very fortunate to have studied under a very dedicated team of knowledgeable professors at Crescent. The department has state of the art infrastructure and laboratory facilities that is compatible with modern developments in the field of engineering and technology. Apart from my professional experience, the technical education I got from Crescent made me to reach to the level of Plant Head in **Mando Automotive India Pvt Ltd.**



S. Syed Anwar (2019 - 2021)



I am extremely grateful to my professors of mechanical department as well as the management of Crescent, for providing me with knowledge, skills and many opportunities to kick-start my professional career. The value-added courses in M.Tech CAD-CAM curriculum has helped me to equip myself with the latest updates. The various aptitude and skill development programs given through the placement cell has helped me to get placed as a Programmer Analyst in **Cognizant Technology Solutions.**