

SALIENT FEATURES

- Functioning from 1984 (36 Years of Standing)
- Highly Qualified Faculty Members
- Updated Curriculum with Emerging Trends in Technology as Courses (eg) IoT for Manufacturing
- Contemporary Laboratory Facilities
- Opportunities for Participation in Society Demanding Research Projects
- Inspirational Motivation for Successful Entrepreneurship
- Industry Tie up for Internships and Projects
- Experiencing the usage of Modeling and Analysis Software Tools

MAJOR FACILITIES AVAILABLE IN THE DEPARTMENT

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 CCD Camera for Microstructure Analysis (METCO)
- Coordinate Measuring Machine (TESA Micro-hite 3D)
- Surface Roughness Tester (Taylor Hobson talysurf)
- Programmable Logic Controller (Fanuc) for automation with necessary software
- 16 Channel Data Acquisition System (NI)
- Electric Discharge Machine (Electronica)
- Vision System (NI)
- Acoustic Emission Sensor with Digital Oscilloscope (AGILENT)
- Salt Spray Corrosion Apparatus (ATMIL)
- Vibration Sensors, Shakers and DAQ (ATALON)
- Cryogenic Treatment Chamber (CRYO SCIENTIFIC)
- Engine Testing Facility (KANE)
- Engine Exhaust Emission Tester (NI)
- Chase Friction Testing Machine (SAE J661)
- 3D Printer (Industry Ready)

FOR ADMISSIONS CONTACT

DEPARTMENT OF MECHANICAL ENGINEERING
B.S. Abdur Rahman Crescent Institute of Science & Technology
Seethakathi Estate, GST Road, Vandalur, Chennai – 600 048

Mobile : +91-99448 76123 / **Email** : admissions@crescent.education
Help-desk : +01-95432 77888 / **Web** : www.crescent.education



B.S. Abdur Rahman

Crescent

Institute of Science & Technology
Deemed to be University u/s 3 of the UGC Act, 1956
GST Road, Vandalur, Chennai 600 048



Post Graduate Admissions 2020 - 21

Department of Mechanical Engineering
M.TECH. CAD-CAM



MAJOR FACILITIES AVAILABLE IN THE DEPARTMENT

CNC Turning Center



Cryogenic Treatment Chamber



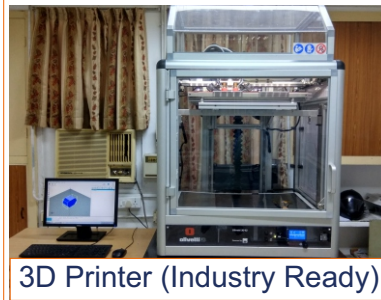
CNC Vertical Machining Center



Coordinate Measuring Machine



Electric Discharge Machine



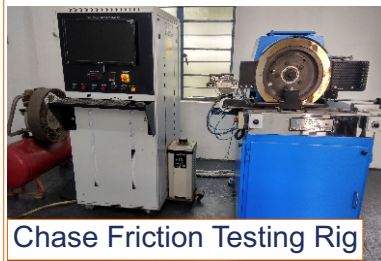
3D Printer (Industry Ready)



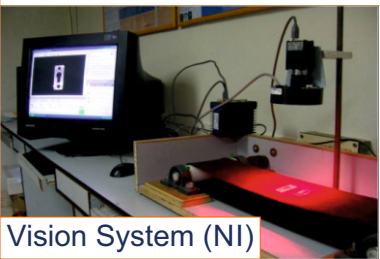
Surface Roughness Tester



Pin on Disc



Chase Friction Testing Rig



Vision System (NI)

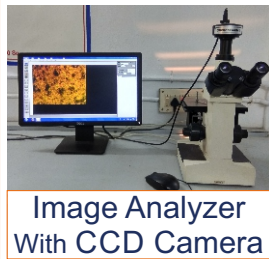


Image Analyzer With CCD Camera



Engine Testing Facility

Representative Companies Offering Campus Placements



PROUD ALUMINI'S OF M. TECH CAD-CAM



Albert Einstein
Founder & CEO
EinNel Technologies



Arun Venkadesh
Head BIM
L&T Construction



Aswin Kumar
Manager
Technical at Optimuz Tech Services

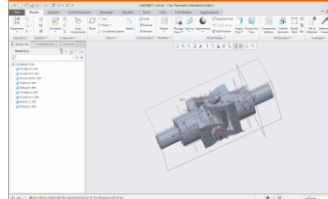


Karthikeyan Balaraman
Member of Technical Staff
Applied Materials, Inc

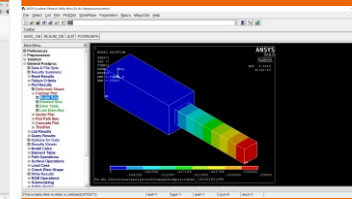


J. Shanmugasundaram
Senior Manager, Driveline PD
Nissan Ashok Leyland Technologies

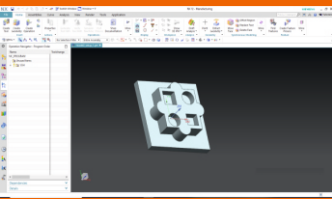
PTC/CREO 5.0 500 users



ANSYS V18 Research 10 users Teaching 100 users

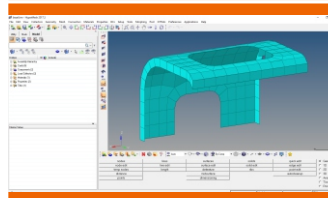


Siemens NX 12.0 30 users



MAJOR SOFTWARE

Matlab V8 R 2013A 100 users

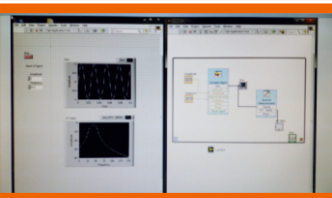


HyperWorks 250 users

Value Added Programme in Robotics



LS-DYNA 971 R7 2 users



Lab View 100 users