

# MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(363, Arcot road, Kodambakkam, Chennai-24)

Approved by AICTE & Affiliated to Anna University



## DEPARTMENT OF MECHANICAL ENGINEERING

Accredited by NBA

Set the gear of your career in motion with the excellent education



Innovative Teaching by well  
Qualified Faculty



Students Involvement in Research &  
consultancy activities



Extensive Training For Placements and  
Personality development



Strong Industry institution  
interaction, value added courses



Affordable Tuition Fees



TNEA COUNSELLING CODE 1309

[www.msec.edu.in](http://www.msec.edu.in) Contact No. 9003010913

[principal@msec.edu.in](mailto:principal@msec.edu.in)



DEPARTMENT OF MECHANICAL ENGINEERING, MSEC

## About the Department

The B.E. Mechanical Engineering Programme was started in the academic year 2010 – 2011 with a sanctioned intake of 60 students, affiliated to Anna University, Chennai. All the laboratories have been established with full-fledged and state-of-art equipment facilities with modern equipment and machinery catering to academic, consultancy and research requirements. The department has well-defined system for training and guiding its students to be industry ready.

### Vision

To develop creative mechanical engineers by providing quality education, research and ethical values.

### Mission

- To provide conducive environment and facilities for academic activities and preparing students for diverse careers.
- To develop collaborative research with industries for excellence in research and consultancy practices.
- To provide education in advanced technologies according to the changing needs of the society..

### Content Beyond Syllabus



Hands -on training in EDM Wire Cutting



Hands -on training in Spark Erosion Machine (EDM)

## Consultancy

## List of MOU



Services offered using - FARO CMM

## Best Practices in the department



Extra curricular activities like Sports, Symposium & cultural Program



Projects In Core Industries/Research organization

Research focused on 3D Printer, Solar Power system and Bio-fuels.



Laboratories equipped with facilities for doing research and mini-projects

Industry interaction program like E<sup>3</sup>, Guest Lectures Conference & Workshops



Foreign language training – Japanese proficiency course N5 to N3 level

Core competencies through events of professional bodies such as SAE, NIQR & ISTE



Campus Recruitment, Placement & Personality development Training

## Engineering Events

### EEMPOWERMENT, ENRICHMENT AND ENHANCEMENT (E<sup>3</sup>)



Inauguration - E<sup>3</sup>



Prize distribution to winners- E<sup>3</sup>



Guest Lecture



Engineer's Day Celebration



National Conference



# Engineering Events



**Career Guidance Program**



**AKSHOBHYA – Technical Seminar**



**Dialogues with Industry Experts**



**Industrial Visit**



**Symposium**





**Strength of Material Laboratory**



**Kinematics & Dynamics Lab**



**Metrology and Measurements lab**



**CAD/ CAM laboratory**



**Mechatronics Laboratory**



**Fluid Mechanics Laboratory**



**Thermal Engineering Lab**



**Manufacturing Technology I & II**

## Research Lab



## Product Development



**Vortex tube Refrigeration**

**3D-printer**



**Demonstration in a Hyundai Car  
Donated by Hyundai Motors Ltd**

**Roll cage model for SAE Baja vehicle**

## Sports Activities





## Cultural Program

College life is one of the most exciting and important phases in anyone's life. In order to learn something more apart from the theoretical knowledge, the students can enhance their knowledge by participating in cultural programs organized by college.



## Distinguished Alumni



**Jithin Chandran,  
Flying  
Officer, IAF**



**Sathish P,  
Flying  
Officer, IAF**

**Wheels India  
Madhanagopal, SDE  
Avinash S, GET**



**Maheswaran  
Arivazhagan,  
PTE ,R&D @  
Brakes India**



**Vivek karan .R,  
Tamilnadu Forest  
Department**



**Vignesh  
Subbukrishna,  
Piping  
Technology  
and products  
Inc, USA**



**Aditya V, Serving in  
Japenese MNC**



**Chakararajan  
Madhusudanan,  
Energy Services  
Engineer @ Cedar  
Falls Utilities**



## University Rank Holders

K Vighesh  
2011-2015



B Vighesh  
2011-2015



Shansank M  
2011-2015



Elanchezhiyan .S  
2012-2016



Madhanagopal T  
2013-2017



Adithya V  
2015-2019



Karthick Hari Secured  
Gold Medal (2011-2015)  
batch our First batch



Sathish P  
2014-2018



Dharshan P  
2011-2015



Manoj A  
2014-2018



Maheshwaran P  
2015-2019

## Graduation Day

Young aspiring graduates of MSEC, receiving their degree certificate from eminent personalities. It's a memorable moment for students, giving them positive vibe of transition from campus to corporate life.



**adithya venkatesh**  
2 reviews



★★★★★ a year ago

A Wonderful institution with discipline and education as it's core values .Being an alumni of Department of Mechanical Engineering , I must say the department is well equipped with state of art licensed softwares providing impetus and a boost in our pursuit to satiate the requirements of the industry.The electives which the college take up as subjects amongst the available options are helpful as we were able to learn Refrigeration and Air-conditioning and Pneumatics and hydraulics to name a few.Secretary mam is always approachable in case of any issue and her presence gives us immense confidence in facing things.Friendly staff who share a great rapport with peers and industry people also provide necessary inputs when in need.Sae activities , symposium , seminars , conferences , journal presentations showcase the amount of exposure this institution offers.Situated centrally in Chennai , it's easy to access various facilities.Special mentions to our legendary godfather of our department Prof M.R. Seshadri whose immense experience and industry association gives us the last mile connectivity between textbooks and actual machine technology.

**siva ram**  
1 review



★★★★★ 2 years ago

Good college with lab facilities required and creating out of box thinking for students through e-cube events and seminar. Very supportive and encouraging professors helpful in pursuing final year projects from reputed industries.

## Industrial Projects

Logos of various industrial partners and projects: BHEL, WABCO, Rane, Integral Coach Factory, DAIMLER, EASUN, HYUNDAI, SUPER AUTO FORGE, and others. A central banner states: "80% of final students are doing their projects in industry".

## Campus Recruitment

Logos of various companies for campus recruitment: SANMAR, hp, JUSPAY, Infosys, S, M, Amazon, PayPal, Kaar, Verizon, and many others.