

For website information

DEPARTMENT OF MECHANICAL ENGINEERING



MECHANICAL ENGINEERING department is one of the most promising departments approved by the academic council and Board of Management. Even in the Acts and statutes of the University the UG, PG and Ph. D. programs of mechanical engineering are provisioned since the University came into existence in year 1975 but UG program was practically introduced in year 2003-04 to strengthen the other UG programs already running in the college. The mechanical engineering department is having latest machine tools and Metrology facilities for manufacturing. The department has foundry equipment's for melting of materials. The department is also equipped with high end CAD/CAM software's and CNC Machines. Mechanical Engineering Department will not be complete without the modern equipment available here for the testing. A wide range of latest state-of-the-art testing equipment's ranging from testing of Mechanical properties of materials to the heat transfer and testing engines are available in the department. The classrooms in the department conform with the AICTE norms and equipped with visual aids. Some of the projects carried out by our students have brought laurels to the department. This has been possible only due to the dedication, sincerity and hard work of the Faculty and technical staff of the department.

ORGANOGRAM OF MECHANICAL ENGINEERING DEPARTMENT

HEAD

Prof. JP Yadav

Teaching & Technical Activity

I/C Teaching:	I/C Workshop :	Supporting Activity
Dr. JP Yadav	Er. SC Yadav, AWS	Ram Naresh, Steno
RAC Lab Inst: Dr. JP Yadav/ Satish Nigam	FITING SHOP L. T. : Daya Prasad	Amar Nath, Lab Attendant
KOM Lab Inst: Vijay Kant/ SarveshTripathi	Machine Shop L. T. : Daya Prasad	Mukesh Kr, Lab Attendant
Material Testing Lab Inst: Shivani	BLACKSMITHY SHOP L. T. : Satish Kr Nigam	Brijendra Kr, Lab Cleaner
Heat Engine Lab Inst: Dr JP Yadav/ MohitYadav	Foundary Shop L. T. : Satish Kr Nigam	
HMT lab Inst: Mohit Yadav	WELDING SHOP L. T. : Sarvesk Kr Tripathi	
CAD LAB Inst: Vijay Kant	SHEET METAL SHOP L. T. : Nand Kr Tiwari	
MMT lab Inst: Shivani	CARPENTRY SHOP L. T. : Satish Kr Nigam	
Drawing Lab Inst: Er. SC Yadav	CNC Lab i/c Er. SC Yadav	

Profile of the Laboratories

All the laboratories are meticulously planned technical layouts, confirming to AICTE standards with latest modern equipment's. It was a desire of our Management to equip the Mechanical Engineering department with all modern equipment's and experimental setups so that the department will be envy of the other Engineering colleges and also which will be model for all new engineering colleges. It gives me immense pleasure to see that we have achieved this to a great degree as our laboratories setup have been imitated in almost all new engineering colleges.

FACULTY-

- **DR. J.P. YADAV** – PROFESSOR AND HEAD
- **ER S.C. YADAV**, ASSTT WORKSHOP SUPDT
- **ER. MOHIT YADAV**, ASSTT PROFESSOR(CONTRACT)
- **ER. DEVENDRASINGH**, ASSTT PROF.(CONTRACT)
- **ER.VIJAY KANT**,TEACHING ASSOCIATE
- **ER. SHIVANI**,TEACHING ASSOCIATE



THE MACHINE SHOP: The Machine shop is also equipped with Drilling machines, milling machines, shaping machines and grinding machines which help the Mechanical engineering students to get hands on experience on these machines.

THE HMT LAB: It has various experiments setup to conduct experiments of conduction, Convection and radiation .The RAC lab has modern unit for refrigeration and Air conditioning.



CADLAB:It is equipped with computers with latest configuration capable of running high end software's. The lab is connected to by local area network (LAN) and also broadband internet connectivity is provided with a good speed. CAD/CAM software's like Auto CAD, Pro-E are provided the use of under graduate students as well as faculty members who are involved in the research and development activities. The lab has a modern state of the art computer numerical control (CNC) Lathe machine.

WORKSHOP AT A GLANCE

ER. S.C. YADAV, ASSITT. SUPDT. OF WORKSHOP



MACHINE SHOP

With the use of machine shop equipment's operations like facing, turning, grinding, drilling, threading, taper turning, gear cutting,

slotting, and knurling is performed.

Name of Instructor: Daya Prasad

Shop Resources: Six H.M.T central lathe machines with all accessories, One universal milling machine with required tool and accessories, Two power heck-saw machines, One shaper machine, One hydraulic surface grinder, One radial drill machine, One collar drill machine, Two bench drill machine, One universal tool cutter and grinder, One CNC lathe machine.



FITTING SHOP

Name of Instructor: Daya Prasad

In fitting trade with use of above tools and equipment's workshop practice of fitting jobs (on M.S. flat plate) like marking, cutting, filing, tapping, and assembly activity is performed.

Shop Resources: Work benches, one power hack-saw, two bench drill machine, one pedestal grinder, one pillar drill machine, Marking measuring tools, Surface plate, V-block, bench-vices, Pipe vice, Ball pane hammer and others; etc.



CARPENTRY SHOP

In carpentry wood work is done for making jobs as per job drawing. Carpentry trade has marking cutting, planning, chiseling, turning, drilling and assembly activity. **Lab Attendant:** Mukesh Kumar

Shop Resources: Carpentry vices, fixed carpentry benches, wood turning lathe, circular saw machine / disk and band saw machine; etc.



SHEET METAL SHOP

Name of Instructor: NandKumar Tiwari

Shop Resources: Bench vices fitted on work bench, ten straight shears, curved/bench shears, different types of chisels, scriber, steal scriber, straight edge; etc.

WELDING SHOP

Welding is done for making of butt joint and lap joint in order prepare fabrication jobs like stools, laboratory tables, benches, windows, grills and racks.

Name of Instructor: Sarvesh Kumar Tripathi

BLACKSMITHY SHOP

In this trade with the use of machines and equipment's operation like black smithy and tin smithy is done. In black smithy to give required shape and size for jobs forging, bending, quenching, and hardening processes is performed. In tin smithy to give required shape and size for sheet metal works bending, hemming, rolling, and soldering activity is carried out.

Name of Instructor: Satish Kumar Nigam




Shop Resources: Log vice fitted on work bench, Swage block, different types of hammers and forge, chisels, flatter; etc.

FOUNDRY SHOP-




Name of Instructor: Satish Kumar Nigam

Shop Resources: Different types of patterns, Different types of core bore cross and etc.

Mechanical Engineering Alumni Profile

Name	Details	Name	Details
 Amit Kr Yadav	Scientist 'SD' LPSC/ISRO, Trivandumkeral 2007 batch MechEngg, Email id: Amit66459@gmail.com	 Ashutosh P Singh	Scientific officer Dept. of Atomic Energy, Chennai Area, India 2007 batch MechEngg Linkedin: in.linkedin.com/pub/ashutosh-singh/38/a5/362
 B R Verma	Scientific Officer (D) BARC- Mumbai. Email: bhaiyaram.me@gmail.com & bram@barc.gov.in Phone: 9930275605	Anuj Arya	Sr Engineer LANCO SOLAR ENERGY pvt Ltd Ph: 9990099587 Email: Aryans.anuj@gmail.com

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<p>Er Shivani</p>		<p>ErAbhayRatna</p>	