

# LOKNAYAK JAIPRAKASH INSTITUTE OF TECHNOLOGY CHAPRA

## NEWSLETTER

### MECHANICAL ENGINEERING DEPARTMENT

Issue 2, December 2018 Chief Editor: Piyush Kumar Pandey

#### PRINCIPAL'S MESSAGE



We are working with a vision in mechanical engineering department, to bring progressive changes in Engineering and Technology which will bring progress and prosperity to our country. The joy and experience shared on our campus ensure the growth and development of the overall personality of all the students alike. It is great to notice interesting events taking shape frequently at our campus. All of us are equally delighted to witness the happenings of significant events and tremendous achievements. I wish to record my hearty congratulations to those who have brought laurels to the institution and I appreciate all of you for working together as a team. I am sure, it is just a beginning and there is lot more to be happening. Go ahead and continue the good work. I wish you all the best for achieving greater success and scaling newer heights in your education and career ahead.

#### FROM HOD'S DESK



Mechanical engineering is one of the oldest and broadest engineering discipline and a large number of mechanical engineers go into manufacturing of computer and electronic products, machinery and transportation equipments. The department cares for student support, mentoring, tutoring, study skills workshops and career development. Mechanical Engineering students culminate their studies with a year-long capstone project requiring design problem solving, creative thinking, project planning and teamwork. A broad selection of technical electives encourages students to pursue special interests in design and manufacturing, energy and environmental issues, thermal and fluid sciences materials, dynamics & controls and robotics.

#### VISION

The Mechanical Engineering department visions to be known globally in the field of technical education and to overcome the issues of industry and society.

#### MISSION

1. To deliver outcome based education to undergraduate students
2. To establish an environment for students where they can build professional and personal integrity to pursue long productive career.
3. To maintaining state of the art research facilities to provide collaborative environment that stimulates faculty, staff and students with opportunities to create, analyze, apply and disseminate knowledge.
4. To equip students with good academic, corporate and entrepreneurship skills as well as create global awareness in them required by engineering profession

## Two-week training on “Modern Manufacturing Technique Using CAD/CAM/CAE” at CIPET Hazipur.



As a part of skill upgradation and industry exposure, students of third year (2016-20 batch) were sent to CIPET Hazipur. As a part of skill upgradation and industry exposure, for students of third year (2016-20 batch) were sent to CIPET Hazipur for two week (August 16 to August 31, 2018) training on “Modern Manufacturing Technique Using CAD/CAM/CAE”. The lecture and practical sessions were taken by Mr. Haider and his group. Modern manufacturing processes and machines, both hardware and software aspect were introduced for the first two days. And for remaining days theory session was followed by practical session. Students learned various nonconventional manufacturing processes and had practical session on the said manufacturing processes. They were also given training on modelling software Autodesk Inventor and NX-11. Fifty five students with two instructors participated in the training.



## Workshop on AutoCAD



Department of mechanical engineering had organized a workshop on “AutoCAD” for the students of Second year (2017-19 batch) from **December 17 to December 29, 2018**.

The programme was designed for 40 hours, Starting 15 hours were framed for lectures and remaining hours were utilized as lab hours where different type of mechanical drawing and components were drawn and designed according to the lecture delivered. Total Fifty eight students participated in the event.