



# MECH VIBES

EXCELLENCE AND INNOVATION BUILT INTO EVERY DESIGN.

**2018**

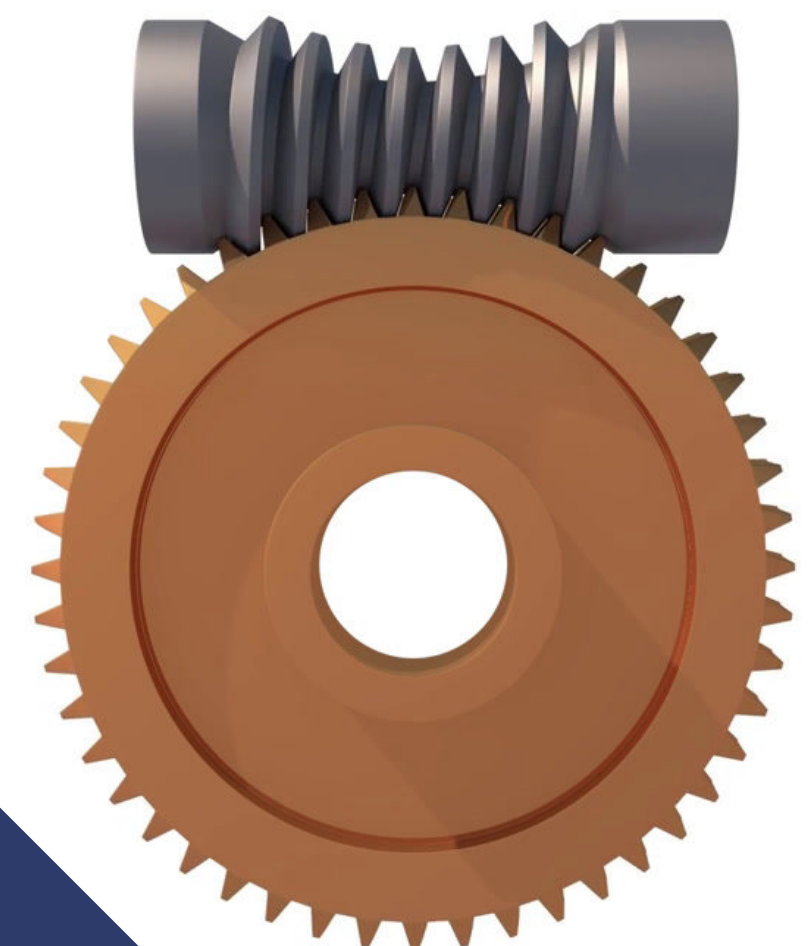
ISSUE 5

VOLUME 2



MECHANICAL ENGINEERING  
DEPARTMENT,

ADITYA SILVER OAK INSTITUTE  
OF TECHNOLOGY



## **VISION OF THE DEPARTMENT**

To be recognized as a competitive, innovative and prominent research-based branch which can help students in disseminating and preserving technical knowledge.

## **MISSION OF THE DEPARTMENT**

- 1.To provide quality education for the students to build their knowledge and skill (knowledge, Skill and quality) .
- 2.Promote and support research facility for collaborative environment and create opportunities. (Research)
- 3.Provide to the students with the academic environment of excellence, entrepreneurship ,leadership, ethical guideline and lifelong learning needed for a long productive career. (Professionalism Ethics and Life-long Learning)

## **PROGRAM EDUCATIONAL OBJECTIVES**

PEO1: To apply the fundamental knowledge of Design, Manufacturing and Thermal Engineering.

PEO2: To impart a knowledge and skill for design and analysis using theoretical as well as software approach.

PEO3: To manage & develop mechanical component using conventional, non-conventional and computer aided manufacturing processes.

PEO4: To grow professionally in their career by life-long learning through continued education of technical and managerial skills also by membership & certifications of professional organizations.

## **PROGRAM SPECIFIC OUTPUT**

PSO1: Graduates of the program will achieve excellence in product design, thermal engineering and manufacturing system by acquiring knowledge in mathematics, science, technology and designing principles.

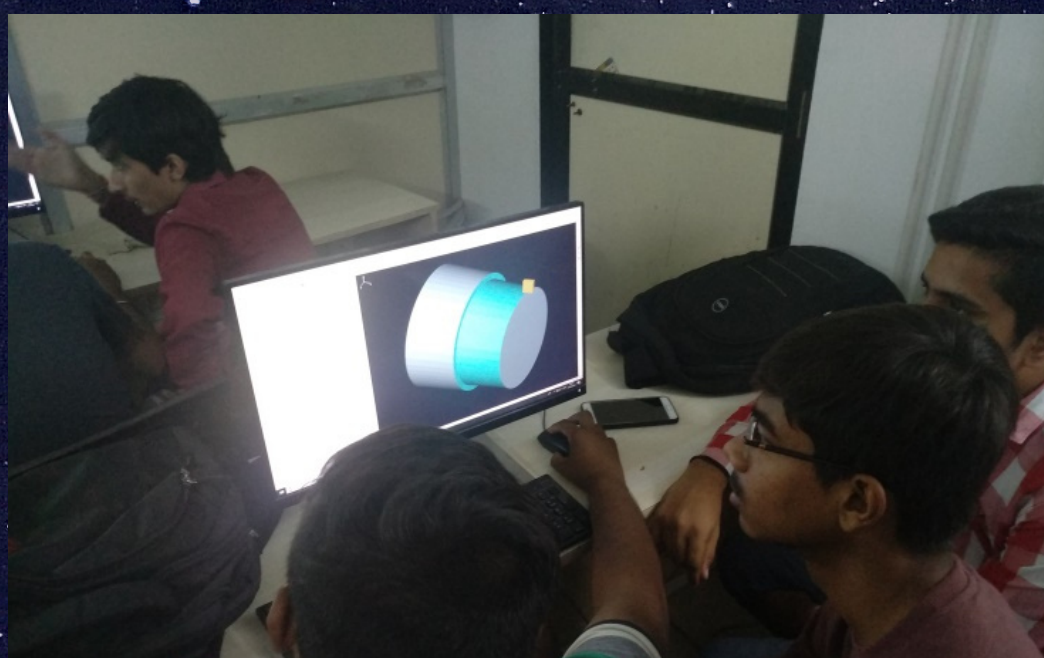
PSO2: Graduate will develop an approach to solve multidisciplinary problems of manufacturing and allied industries.

PSO3: Manage Mechanical engineering processes by selecting and scheduling relevant equipment, quality control techniques, and operational parameters.

# SUMMER SCHOOL INDUSTRY CONNECT 2018

## CNC Machine Training

A great initiative has been taken by Mechanical Engineering Department of Aditya Silver Oak Institute Technology to avail a platform of sheer knowledge for the students. The main objective of this course is to reduce the gap between the theoretical and practical knowledge which is required for the industry level. An extensive course has been designed for industry trending topics in CNC and many more of around 50 hours, targeting to a productive outcome. The students are motivated and have shown a great intent towards the courses resulting in the active participation in the course.



# SUMMER SCHOOL INDUSTRY CONNECT 2018

## CNC Machine Training

The CNC machine training course has been started by the Mechanical Department from 14/6/2018 to 25/6/2018. More than 40 students have enrolled for these courses. The students have learnt about the CNC basics, various G codes & M codes, did the job on CNC and also the simulator practices. Apart from this one whole day session from industry expert also organized for the students where Mr. Manish Patel (Head CNC Programmer) Patel Alloys Steel Pvt. Ltd had visited our campus and guide the students for advanced turning Programs. Students participated actively during the training program and have learnt the things which is required for the industry needs.



## Industrial Interaction in Jyoti CNC Automation PVT LTD,Rajkot.

Department of Mechanical engineering, Aditya Silver oak Institute of technology, arranged one day industrial interaction in Jyoti CNC Automation,Rajkot on the date of 30th August,2018. 31 Mechanical engineering Students took the part in this interaction.

The Trainer of Jyoti CNC Auto. Ltd. conducted very informative session for the students and he gave a brief introduction of Jyoti CNC Auto. Ltd. Also, He guided us three departments such as Machining, Manufacuring plant and assembly area.



# WELDING WORKSHOP

WELDING WORKSHOP ORGANIZES ON 9/07/2018 TO 10/07/2018.

IN THIS WORKSHOP STUDENTS WAS AWARE ABOUT ACTIVITIES, EVENTS AND CONFERENCES HOW IT HELPS THEM TO ENHANCE THEIR SKILLS FOR THEIR BRIGHT CAREER.

IN WORKSHOP FIRST SESSION THEORETICAL KNOWLEDGE GIVEN AND SECOND PHASE PRACTICAL. DURING PRACTICAL SESSION STUDENTS HAVE INTERACTED ALSO FREQUENTLY QUESTIONS ASKED TO STUDENTS TO GET AN IDEA THAT HOW MUCH THEY WERE ACTIVE DURING THE SESSION AND HOW MUCH LEARNED.

TOPICS COVERED: -

- 1) WHAT IS WELDING???
- 2) DEFINITION & TYPES OF WELDING
- 3) TYPES OF JOINTS
- 4) POSITIONS DURING WELDING
- 5) TIG (TUNGSTEN INERT GAS) WELDI
  - A. DEFINITION
  - B. PARAMETERS
  - C. APPLICATION
- 6) MIG (METAL INERT GAS WELDING
  - A. DEFINITION
  - B. PARAMETERS
  - C. APPLICATION
- 7) SPOT WELDING
  - A. DEFINITION
  - B. PARAMETERS
  - C. APPLICATION
- 8) PRECAUTIONS DURING WELDING
- 9) WELD-DEFECTS.

MAIN CO-ORDINATOR: MR. HARSH PATEL

EVENT CO-ORDINATOR: MR. TARIK DESAI

FACULTY GUIDE: PROF. RUSHIL SHAH

(HOD ASOIT)

FACULTY ADVISOR: DR. SIDDHARTH B.

JADEJA (PRINCIPAL, ASOIT)

CO-ORDINATORS: MR. VIRAJ PATEL,

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