



D. A. DEGREE/DIPLOMA ENGINEERING AND TECHNOLOGY

MECHANICAL ENGINEERING DEPARTMENT INDUSTRIAL VISIT CUM WORKSHOP REPORT

Two day individual for Degree and Diploma Mechanical students Industrial visit cum workshop done on the 28-02 February and 01-03-2025 for Diploma and 20-03 and 21-03-2025 at SOPAN INSTITUTE AND ENGINEERING PVT. LTD. (ISANPUR, AHMEDABAD). A total of 30 students participate in this to increase their knowledge of the industrial approach to the mechanical engineering designing field.

ABOUT COMPANY:

Founded decade ago, SOPAN INSTITUTE AND ENGINEERING PVT. LTD. provides engineering services for design. The company's founder, Mrs. Neha Mahek Mistry, had the motto "Give more than Promised" in mind. The entire team puts their all into that and working incredibly hard.

There are several locations for this company in the state of Gujarat, including SURAT - ATHWAGATE & ADAJAN, AHMEDABAD - ISANPUR & CG ROAD, and NAVSARI - ERU. SOPAN Group offers engineering services, sales of mechanical software, and activities in the education sector. To this end, they also established the Sopan Institute of Engineering & Design, through which they train numerous people for the improvement of Indian manufacturing sector.

ABOUT VISIT CUM WORKSHOP:

The mechanical engineering department made this arrangement to provide a glimpse into the usage of designing software that is widely utilized by enterprises around the world. This visit/workshop was divided into three sessions. In the first session, Mr. Naimesh Shethiya (Director - SIED Ahmedabad) provided an overview of engineering design, the kinds of careers that students can pursue, the value of learning designing software, Solidworks, its modules, and its capabilities, as well as the necessity of learning software in this rapidly evolving field.

All students get access to workstations in the second session so they can practise drawing using the Solidworks programme. They provide one drawing sheet with many 2D



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parts on it, all with accurate measurements and an isometric view of the assembly part. Basically, aim of this session was to give a chance to students to experience the features and user-friendliness of Solidworks. Mr. Manish Banjara gives step by step instructions for drawing each part in detail and explains the features usage for other tasks. Students create 2D drawing and convert it into 3D model with ease. After completion of all part modelling, Mr. Manish Banjara started assembly portion for given drawing and gave all details about joining all parts together. Here, students did not face any kind of difficulties in drawing because Mr. Manish Banjara also doing same things on Solidworks in big screen for better understanding of steps. And at the end of this session students can create assembly of given parts.

Third session of this day was experience sharing and certification. In this Mr. Naimesh Shethiya ask students to share their experience and give brief about their other program runs by SOPAN group. All the attendees get certificates of workshop along with knowledge about Solidworks software.

SUMMERY:

One day is not enough to master of all but one day enough for understanding the real scenario of latest advancement in the field. This visit delivered the industrial approach of the present generation in the field of mechanical engineering. Students' minds were filled with the area which is not covered in the textbooks. They smoothen their hands on designing software and learn about latest industrial requirement.

ACKNOWLEDGEMENT:

We are thankful to management of Hiraba Kelavani Trust and Principal of D. A. Degree Engineering and Technology for giving the permission to arrange such type of program. Also, we are thankful to Head of Mechanical Engineering Department Asst. Prof. Bhaumik Bhandari for continuous guidance and for making this visit possible in collaboration with SOPAN INSTITUTE AND ENGINEERING PVT. LTD...



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