



Boot camp on Innovative Product Design

By Autodesk Fusion 360®

27th April - 12th May, 2022



MNIT CAM Society endeavored to stir up innovative minds by conducting “An Interactive Offline Workshop followed by competition on innovative product development on Autodesk Fusion 360®” for students from all branches of B. Tech. first-year and Mechanical Engineering second-year B. Tech. students. The enthusiasm among the benefiting students was commendable and approximately 150 students registered themselves for the workshop out of which 85 students reached to the final stage of the boot camp.

This five-day workshop is aimed at familiarizing students with the CAD/CAM software along with a special emphasis on the Surface Modeling and Sheet Metal Designing module: **Autodesk Fusion 360®** and encouraging them to launch their innovative self by exploring the designing software.

The workshop was coordinated by the members (volunteers) of the MNIT CAM Society (www.camsociety.in) under the guidance of **Dr. Harlal Singh Mali (Faculty Coordinator)**. MNIT CAM Society members including Fusion360® student experts: **Abhinandan Tailor, Ananya Maheshwari, Chirayu Rankawat, Devansh Garg, Mohit Khemchandani, Shailesh Suthar, Trisha Goyal, Vikas Kumar** contributed in the teaching-learning process of this tool.

On the first day, the students were accustomed to the Fusion360® user interface. They were taught about the basic commands to be used for drafting and tutored about other important commands vital for 3D modeling on the software. The next day, students were acquainted with sheet metal designing. Assignments were done after the sessions for practice purposes and students submitted their solutions after the workshop.

The next two days were kept for hands-on experience on the Fusion 360 software in which students practiced what they learned in the workshop and cleared their doubts. The workshop ended with introducing the attendees to the rendering workspace and the rendering tools and the launch of a problem statement for the design and development of an innovative product and handholding them till the final submissions on 12th May 2022.

On 13th May 2022 evening, through a program winners of competitions held in April 2021 and May 2022 were felicitated, the CAM Society senior executives were given a farewell and new executives were welcomed through Goodies and Pizza Party sponsored by Autodesk India. The program was presided by **Prof. ML Mittal**, Head Mech. Engg. Dept. of MNIT Jaipur.

As evident from the feedback received and solutions submitted by the participants, overall the boot camp was a success and the students learned a lot about the software and its use in expressing one's creativity. MNIT CAM Society will continue conducting workshops, competitions, boot camps, and similar activities to foster creativity and innovations in the student community (www.camsociety.in).

Workshop Poster



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FUSION 360 **WORKSHOP 2022**

27th-30th APRIL

17:15 to 19:30

AT COMPUTER CENTER

- Free student access to software
- Learn about CAD & CAM
- Offline Training & Practice Sessions
- Hands-on Experience
- Certification
- Prizes

Faculty Coordinator

Dr. Harlal Singh Mali

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REGISTER AT



Student Co-ordinators

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Few Workshop Photographs



Workshop Assignment



