



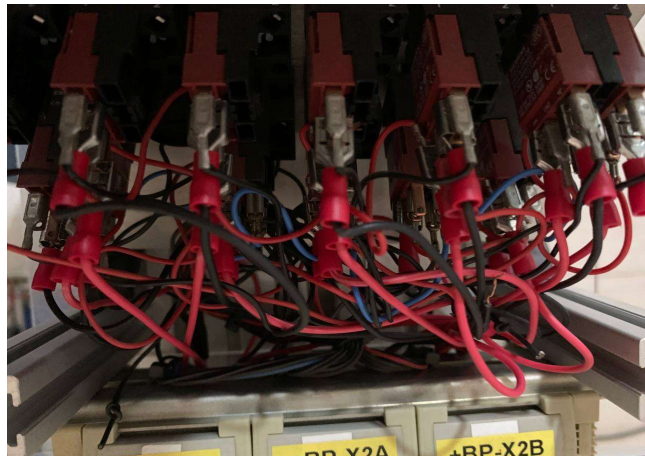
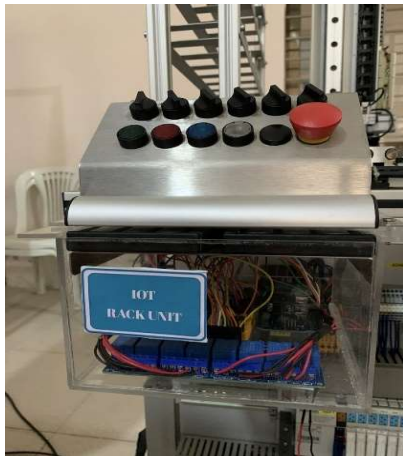
Remarkable Student Term Projects

The heart of Mechanical Engineering is hands-on practice and physical execution of the gained knowledge in terms of project work. The Students of B.Tech. Mechanical Engineering undergo term project as a part of their curriculum. All the projects are being designed by students under the supervision of faculty members and fabricated using the manufacturing facilities available with the department with the help of technical staff. A list of few remarkable projects is given below.

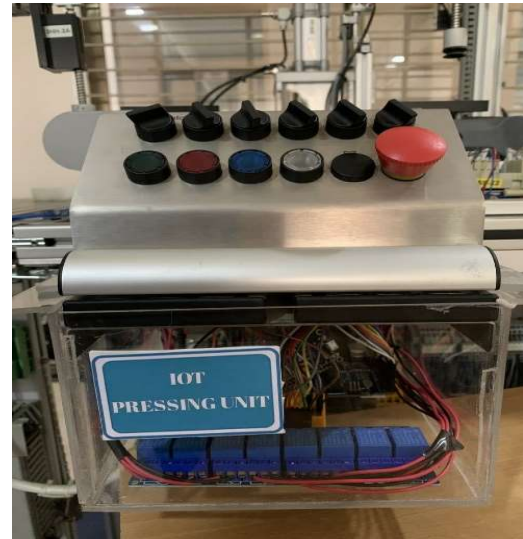
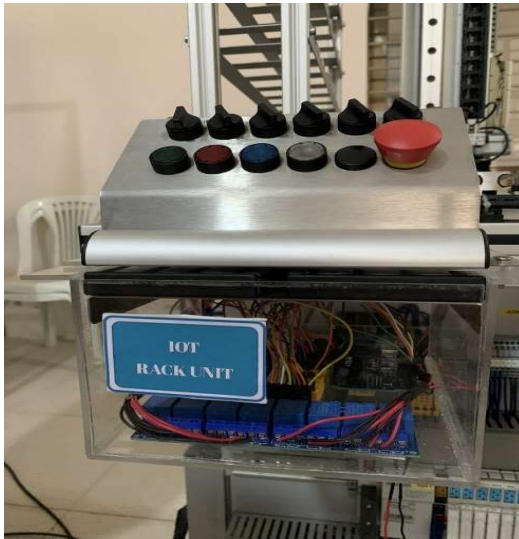
Sr. No.	Title of Project	Name of Student/s involved in Project	Faculty Guide	Academic Year
1	Making & modifying a 3D Printer	Umang S. Gotawala	Prof. Mahavirsinh M. Chavda	2021-22
2	IOT based Mechatronics System	Ujjaval Mehta, Jay Pansuriya, Ishan Doshi	Prof. Mahavirsinh M. Chavda	2021-22
3	Pothole Filler	Nirav Gaglani	Prof. Mahavirsinh M. Chavda	2021-22
4	SEAM Sealing Machine	Harshil Sheth	Prof. A. R. Menger	2020-21
5	Drowsiness Detection System	Nirmal Sunil	Prof. Mahavirsinh M. Chavda	2020-21
6	2D Laser CNC Engraving Machine	Tarang Parikh, Nirav Chhatrala, Aakash Parmar	Prof. P. A. Shah	2019-20
7	Cylindrical Grinding Attachment for Lathe	Kunj Thakkar, Meet Patel, Siddharth Chaudhari, Aumkar Jotani	Prof. R. M. Joshi	2019-20
8	French Fries Vending Machine	Arjav, Sandip, Pruthviraj, Pritesh, Jay, Jaykishan, Kaushal Keval	Prof. N. A. Vora	2018-19
9	Manufacturing and Analysis of Abrasive Jet Machine	Meet Patel, Nikunj Patel, Punit Kalariya, Meet M. Shah	Dr. S. J. Raval	2018-19

Sr. No.	Title of Project	Name of Student/s involved in Project	Faculty Guide	Academic Year
10	Automated Solar Lawn Mower	Niraj Doshi, Sachin Suthar, Shivam Patel, Manthan Doshi	Prof. D. G. Bohra	2018-19
11	Hybrid Electric Motorcycle	Adit Desai	Prof. (Dr.) G. D. Bassan	2017-18
12	Pedal Assist Electric bicycle	Thummar Snehanvit, Ukani Mayank, Viradiya Viren, Zalavadiya Monik, Zalavadiya Sagar	Prof. D. I. Upadhyay	2017-18

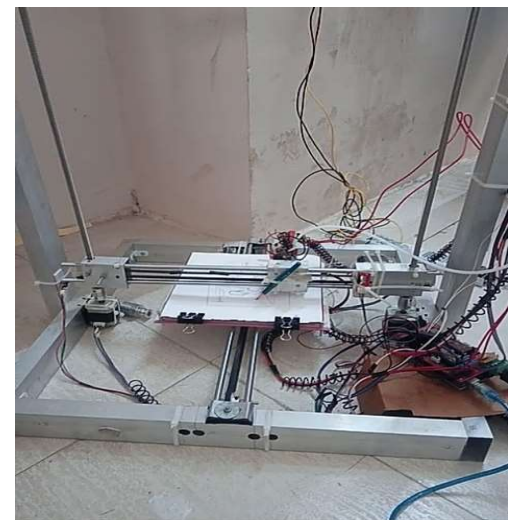
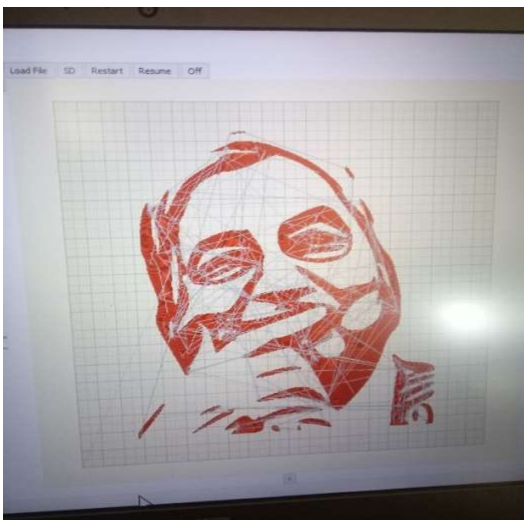
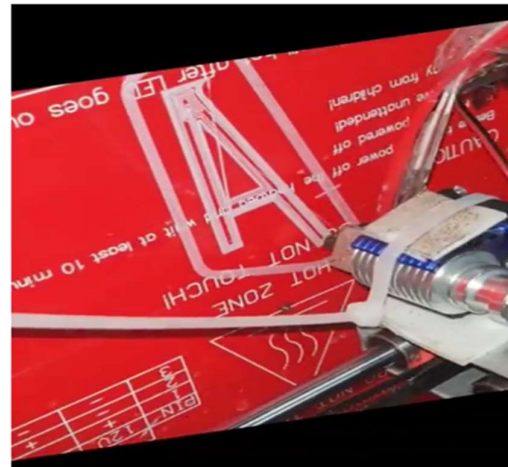
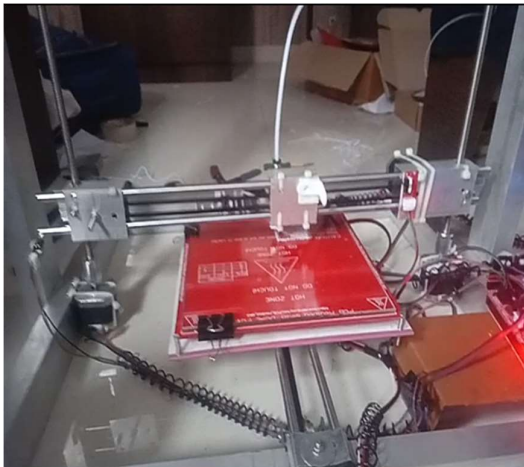
Photo Gallery of Students' Term Projects



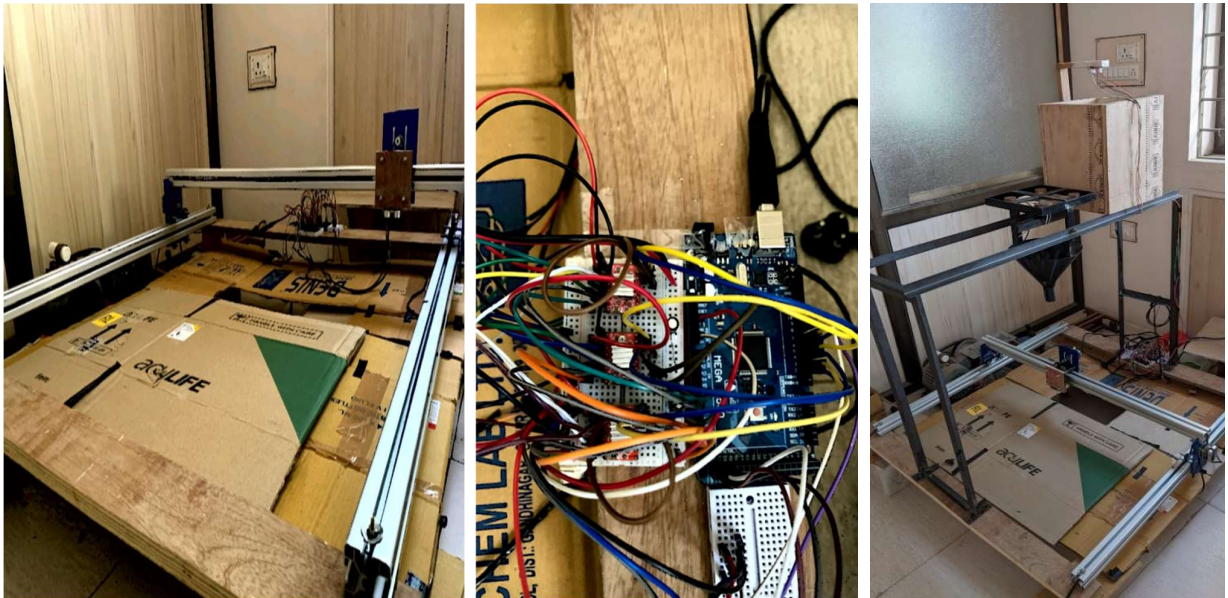
IoT based Mechatronics System



IOT based Mechatronics System



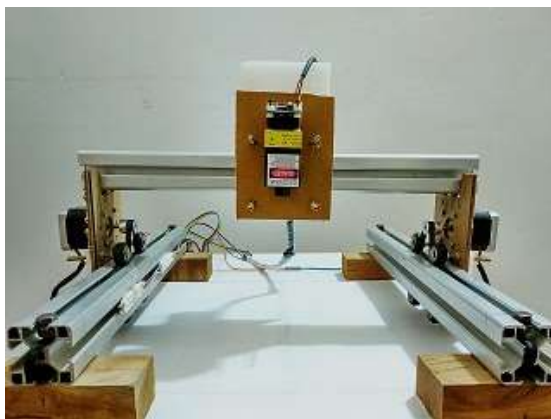
Making & modifying a 3D Printer



Pothole Filler



Hybrid Electric Motorcycle (IC Engine + Hub mounted Motor at front wheel)



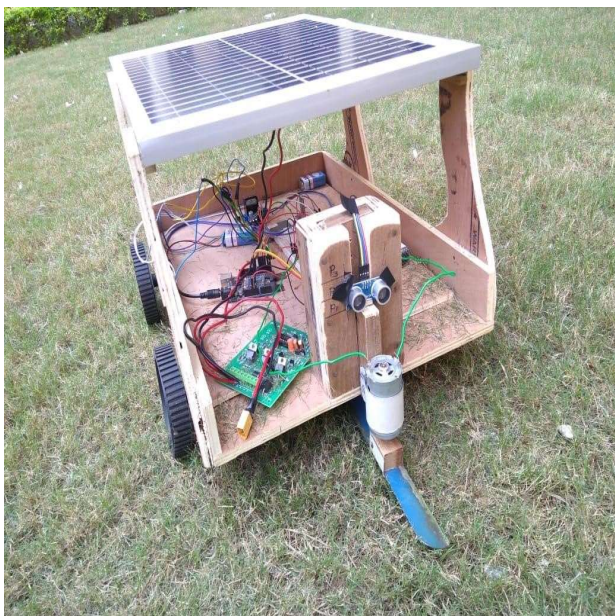
2D Laser CNC Engraving Machine with Engraving work on Wood



Cylindrical Grinding Attachment for Lathe



Abrasive Jet Machine with demonstration of machining on MS plate and Glass



Automated Solar Lawn Mower



Pedal Assist Electric bicycle



Vending French Fries Machine



Seam Sealing Machine for Medical PPE Suit



Instant Water Heating Tap