Bharatiya Vidya Bhavan's
SARDAR PATEL COLLEGE OF ENGINEERING
(Government Aided Autonomous Institute)
Andheri (W) Mumbai – 400058
MECHANICAL ENGINEERING DEPARTMENT
LANDLINE: 022-26232192   EMAIL ID: hod_med@spce.ac.in

Computer Programming

MINI PROJECT EXHIBITION 2022

Date: 18th August 2022
Venue: Sardar Patel College of Engineering
Time: 2pm to 4pm

The students of the first year mechanical department SPCE, Andheri, had done their mini projects under the guidance of Prof. Sharad Valvi and exhibited them to the Mechanical department of SPCE on 18th August 2022.

First-year mechanical students participated in the exhibition. The Mini Project exhibition was held to give ideas about sensor Arduino projects, which are current age and future requirements in our daily life. The chief guest for this exhibition was Dr. R S Maurya Head, Department of Mechanical Engineering, SPCE. The exhibition started at 02:00 p.m. and was open to all the faculties and students of the college. The Head of the mechanical engineering department gave a commencement speech. It announced that all the participants would be given certificates to motivate students in their four years of journey on the college campus. As the exhibition started, various students presented their projects. Models of Obstacle Robot, drowsiness driver detectors, soil moisture detector, Dry and Wet Waste Segregator, Arduino based Home automation using Bluetooth, Fingerprint door unlock, advance blind stick, distance and angle radar system, falling object catcher were built by the students. Dr. R S Maurya, Dr. Santosh Rane, Dr. B.N. Bhasme, prof.Kunal, Prof.Haseen Shaikh from mechanical department, prof.Vishal Dake and prof. Rahul Chavan from the electrical department, and Dr. Jayram Gholave from the chemistry department went around looking at the different models designed by the students. They assessed the descriptions given by the students.

Students were given a month, divided into groups of 5 and allowed to choose their own topics for the mini project. On every step of the mini project, Prof. Sharad Valvi helped the students a lot and gave us suggestions so that the project became more effective. Students used their full knowledge of computer programming (CPP Language) to do practical tasks. Even all the groups had prepared an individual group report, which consisted of the code which was written to run the mechanism, the photos of the components used for the project, and the group photo.

Our students used the seminar hall (room 119) to present the projects. A proper arrangement was made for the students to present their projects. The CRs of FYM took permission from Mr. Shailesh to use the Seminar hall for the presentation of the mini project. A motivating speech

was given by Prof. Santosh Rane and Prof. R S Maurya. All the faculty members of the Mechanical department were present there, and their presence made this event more special for the first-year students. Their feedback and guidance would surely help students for their future projects.

This initiative taken by Prof. Sharad Valvi was very helpful for first year students because they learned new things and learned about CPP language.

Table: Mini Project Details

Sr.No	Group Member 1 name:	Group Member 2 name:	Group Member 3 name:	Group Member 4 name:	Group Member 5 name:	Mini Project Topic Name:
1	Abhishek Maity	Shrikant Funde	Omkar Thakur	Sujal Mahadik		Automatic Door opening
2	Aakash S. Kamble	Atharva J. Ghate	Jai M. Nigudkar	Aakash A. Hatimkar		Falling Object catcher
3	Bhiva Jethe	Rushika Pagare	Amruta Rajput	Sayali Kalyankar		Advance blind stick
4	Aaditya Gautam	Omkar Repal	Saurabhkumar Gavit	Dinesh Dhage	Pratham Warke	Lathe machine safety buzzer
5	Sanket Lahanu Bhusari	Sohit Harendra Sinha	Archish Anil Shinde	Dylan Oliveira	Shreyash Sudhir Namange	Fingerprint door unlock
6	Anirudha Ramchandra Patil	Harsh kabra	Sai Satish Jaiswal	Aryan Shah	Husnain Pathan	Motor Shield
7	Suhaib Naikawadi	Varadrajsingh parmar	Nachiket Narlawar	Amey jogi	Sanskar Dholay	Detecting obstacles and warning
8	Shivam Singh	Ruchir Joshi	Siddhant Dube	Amisha Gaud	Sankalp Mali	Distance and angle radar system
9	Atharv Gawde	Manish Patil	Aditya Pant	Ojas	Aditya	Arduino based Home automation using Bluetooth
10	Mayaank Patankar	Tejas Mhatre	Saif Mozawala	Gargee Suryawanshi	JASH	smart irrigation system
11	Vishwa Shah	Darsh Jogani	Dhwanit Vartak	Aryan Awad		Obstacle avoiding Robot
12	Nishita nagwekar	Bhavik Jadiyar	Satyakam jani	Saumil Bagwe		drowsiness detectors for drivers
13	Tejas	Mayaank	Gargee	Saif	Jash	Soil moisture detector
14	Vinaya Shinde	Nikhita	Gauri Rekne	Sejal Shetye	Neksha Ahire	Dry and Wet Waste Segregator
15	Ketan	sadiq	ketan			car parking sensor

Inauguration speech by Dr. Ramsubhash Maurya HOD Mechanical, SPCE Mumbai

Motivational speech by Dr. Santosh Rane, Associate Professor, SPCE Mumbai