

Bharatiya Vidya Bhavan's  
**SARDAR PATEL COLLEGE OF ENGINEERING**

(Government Aided Autonomous Institute)

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## Industrial Visit to Marol Industrial Estate

Date: 26<sup>th</sup> Aug 2022

Venue: Marol Industrial Estate, Chimatpada, Mumbai.

Time: 3:00 pm to 5:00 pm

The students of final year mechanical department SPCE, Andheri were taken for an industrial visit to Marol Industrial Estate by faculty coordinator & mentor Prof. Sharad Valvi for the demonstration of different welding processes on 26<sup>th</sup> August 2022.

Students travelled by Mumbai Metro from Andheri to Marol Naka. Students visited a welding shop in the industrial area and were welcomed by a skilled welding technician Mr. Pankaj at the shop. Mr. Pankaj gave insights of Arc welding and its different types. Demonstrations of both consumable and non-consumable electrode methods were given by Mr. Pankaj. In consumable electrode method details of 'Metal Inert Gas welding' (MIG) were explained. Likewise, 'Tungsten Inert Gas welding' (TIG) process was explained under the scope of non-consumable electrode methods.

Different chemical, physical and economical aspects of welding processes were discussed. Information about different instruments used in welding processes such as torch, cables, electrode, welding AC/DC machine was explained comprehensively. Along with all this information, Mr. Pankaj gave gist of all the safety protocols to be followed while doing welding, also explained the cooling system used in an arc welding process.

With this the field visit officially ended with a group photo. Overall, it was a great learning journey at Marol, seeding interest and eagerness to learn and understand more about welding processes.



