

**VISIT REPORT**  
**Field Visit to Siemens Centre of Excellence, MMANTC**

**Department Electronic Science**  
**M.S.G. Arts, Science and Commerce College Malegaon camp**  
**Date: 11<sup>th</sup> March 2023**

**Venue:** Siemens Centre of Excellence, MMANTC Mansoor, Malegaon, District Nasik  
Maharashtra(MS) - 423203

Field visit was carried out at Siemens Centre of Excellence, on 11<sup>th</sup> March 2023. The main objective behind the visit is to make student aware about the importance of automation and the level of its penetration in the field of electrical and electronics Engineering.

Prof. Dr. Smt S.C.Kulkarni, Ms. V.T.Salunke and Dr. H.P. Suryawanshi faculty member of Department of Electronic Science with students of S.Y.B.Sc and T.Y.B.Sc left for visit at 11.30 a.m. and took about an half hour to cover the distance. The college is located near Girana Pool in Malegaon. As soon as they reached, they were guided to canteen, by Mr. Sajid Ansari, for breakfast where an orientation of the centre was given by the Experts. The students were made aware about the significance of automation, how it's need was felt and how it is useful in reducing waste, factory lead times and production cost.

PLC Siemens Pvt. Ltd. is one of the fastest growing automation Company. The company provide the miniature PLC automation system as well the different PLC process control systems along with software from last five years in providing automation solutions to Indian and overseas industries making them leading training service provider.

Introduction took almost an couple of hour which was followed by detailed explanation of automation process including PLC miniature system, Fluid control system, PLC SCADA, ladder programming with hands-on along with questions of students which was delivered by Dr. Dilawar Hussain (HOD, Mech Engg.), Prof. Faheem Ansari, Prof. Fahad Bilal and Prof. Sajid Naeem. We appreciate staff member who guided students by guiding each and every question with detailed answers. It is rightly said that 'See & know' is better than 'read & learn'. Students got a real feel of how the entire Automation system, for example conveyor belt, bottle filling plant and control of power system parameters, actually works and how it can be controlled through a software, how automated tools keep control and supervision on all industrial activities through SCADA system. It was a chance to transfer their theoretical knowledge to practical implication. They got to know how the manual handling of large electrical equipment's can be replaced by automatic handling saving time and man power. This will benefit students in understanding the subject matter clearly in future also.

We along with student would like to extend our gratitude to the Dr. S.N.Nikam (Principal M.S.G.College), Dr. Aqueel Ahmad Shah (Principal, Degree College, MMANTC), Dr. Md Azhar (Principal, Diploma College, MMANTC) for the permission and support they gave to make our visit a success. Sincere thanks to our HOD, Prof. Dr. Smt. S. C. Kulkarni, for arranging this visit for our students.

