

**VINAYAKA MISSIONS RESEARCH FOUNDATION
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY, PAIYANOOR.
DEPARTMENT OF CIVIL ENGINEERING
Industrial Visit to ITW Industrial Building Construction, Oragadam on
03.04.2019**

CLIENT : ITW Industries (Manufacturer of Fasteners and breaks for vehicles)
CONSULTANT : JM Consultancy
CONTRACTOR : NAPC limited



On 03rd April 2019, the students of the third year B.E (Civil Engineering) were taken to Industrial visit to ITW Industrial Building Construction, Oragadam along with two faculty members (Mr. K.NaveenKumar and Mr. S.Aravindan).We were received by Mr.M.Sampath Project Manager, Mr.Prabu Senior Engineer, Mr. Monish safety officer.

Schedule of Industrial Visit

S.No	Program Schedule	Conducted By	Designation	Time
1	Safety Induction program	Mr. Monish	Safety officer	10:30 to 11:00 am
2	Project Brief	Mr.M.Sampath	Project Manager	11:00 to 11:45 am
3	Site Visit	Mr.Prabu	Senior Engineer	12:00 to 1:30 pm

Safety Induction program



Mr.Monish safety officer of NAPC limited explained the following safety aspects to be followed in the construction site to the students:-

- ✓ **PPE (Personal Protective Equipment)**
- ✓ **Assembly Point**
- ✓ **Barricading in construction site**
- ✓ **Warning Signals in construction**

Project Brief



The construction site which we have visited is Industrial building construction for ITW industries. Since, it is industrial building construction three parties will be involved Clint (ITW Industries), Consultant (JM Consultancy), and Contractor (NAPC limited).The client will

give their requirement to Consultant and the consultant will study the site where the industrial building is to be constructed and prepare the structural drawings. Then the contractor company will execute the work. The work done by the Contractors will be checked by the Engineers from Consultant and Clint.Mr.M.Sampath project manager of NAPC limited explained about the various construction units in that industrial building as follows:-

- ✓ **Curing Trench**
- ✓ **Utility block**
- ✓ **Manufacturer block**
- ✓ **Sump**
- ✓ **Security block**

Site Visit



Mr.Prabu, senior engineer of NAPC limited took us around the site. Students were taken to the construction site and various technical aspects of Industrial building construction are explained to the students. The technical aspects explained to the students are given below:-

- ✓ **Anchor Bolts fixation in RCC structures**
- ✓ **Connection of steel sections**
- ✓ **Process of reinforced flooring**
- ✓ **Shuttering**
- ✓ **Chicken meshing**
- ✓ **Plastering**