

**VINAYAKA MISSIONS UNIVERSITY
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY, PAIYANOOR.
DEPARTMENT OF CIVIL ENGINEERING**

**Industrial visit to TVS Emerald Residential Light House Constructions,
Pallavaram on 01.03.19**



On 01th march, 2019 the student of the second year B.E (Civil Engineering) were taken to Industrial visit to TVS Emerald Residential Light House Construction, Pallavaram along with two faculty members (Mr. K.NaveenKumar and Mr. S.Aravindan). Students are assembled at the college at 9:30 am and left the college in a college bus. We were received by Mr.Govindaraj General Manager of TVS Emrald Lighthouses Constrution, Mr.Magesh Project manager, Mr.Saran senior engineer, Mr.Pazhaniappan safety officer.

Schedule of Industrial Visit

S.No	Program Schedule	Conducted By	Designation	Time
1	SafetyInduction program	Mr.Pazhaniappan	Safety officer	11:00 to 11:15 am
2	Project Brief	Mr.Magesh	Project Manager	11:15 to 11:45 am
3	Site Rounds	Mr.Saran	Senior Engineer	12:00 to 1:30 pm
4	Final Interactions	Mr.Govindaraj	General Manager	1:30 to 2:00 pm

Safety Induction program



Mr.Pazhaniappan,Safety officer of TVS Emerald Residential Light House Constructions briefly explained the following safety aspects to be followed in the construction site to the students:-

1. PPE (Personal Protective Equipment)



PPE is equipment that will protect the user against health or safety risks at work. It can include items such as safety helmets, gloves, eye protection, clothing, safety footwear and safety harnesses. As soon as students and faculties enter into the construction site we were provided with helmets and safety shoes. Without PPE no one will be allowed to enter into the construction site.

2. Assembly Point



The important aspects of assembly point in the construction are explained to the students. In case of any emergency an alarm sound will be played then all the engineers and workers should be assembled in Emergency Assembly Point. Safety officer as shown the three Emergency Assembly point at that particular construction site.

3. Barricading in construction site



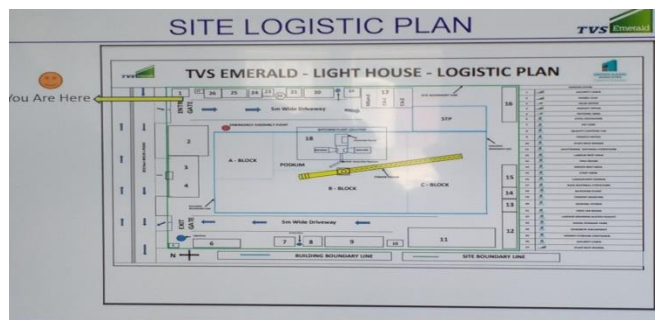
Barricading is used in the construction site in order to avoid accidents in the process of construction and to point out the redistricted area in the site. During Safety induction programs the safety officer as shown and explained the barricading and purpose of using barricading in the construction site.

4. Warning Signals in construction



Students have noticed various warning signal and purpose of warning signal is explained to them. The symbols observed are “workers ahead” and is meant to inform everyone that there are workers in the area.

Project Brief



Mr.Magesh, Project Manager of TVS Emerald Residential Light House Constructions as conducted the project brief section. In this section highlights of the lighthouse construction has been explained to the students and students have been taken to model flat to view the finished outcome of the projects. Highlights of the residential building visited by us as follows:-

- ✓ Chennai's first light house project that is the height of the residential building will be same as the height of the real time light house.(Height of the residential structure = 45m)
- ✓ The construction site has three blocks namely Block A, Block B,Block C
- ✓ The type of flats in the residential building visited are 1BHK, 2BHK and 3BHK(B=Bedroom, H=Hall, K=Kitchen)
- ✓ The cost of residential flats varies from 75 lakhs to 1.5 crore

Site Rounds



Mr.Saran, Senior Engineer of TVS Emerald Residential Light House Constructions as conducted the Site rounds sections. Students were taken to the construction site various technical aspects of construction is explained to the students. The technical aspects explained to the students are given below:-

- ✓ Expansion joints
- ✓ MIVAN shuttering
- ✓ Mesh connection between structural members and walls
- ✓ Batching plant
- ✓ Block work process
- ✓ Concreting process
- ✓ Reinforcement placement
- ✓ Shuttering
- ✓ Plastering

Final Interactions



Mr.Govindraj, General Manager of TVS Emerald Residential Light House Constructions as conducted the Final interaction sections with the students. Students had shared their Industrial visit experience to Mr.Govindraj and Mr.Govindraj also has explained about some carrier guides to the students.