



**Site visit to Larson & Toubro (L&T) –Construction Skill Training Institute at Ahmedabad on 19<sup>th</sup> September 2019 for 3<sup>rd</sup> Year B. Tech Civil Engineering Students of IITRAM**

A site visit was conducted at Larson & Toubro-Construction Skill Training Institute (L&T-CSTI), Chacharwadi, Ahmedabad on 19th September, 2019 for 3rd Year B. Tech Civil Engineering Students of IITRAM. 54 students, 5 faculty members and one lab assistant from Department of Civil Engineering, IITRAM joined for the visit.

Larson & Toubro-Construction Skill Training Institute (L&T-CSTI) is a social initiative for developing skilled technicians for construction industry where persons with limited formal education (including rural areas) are trained free of cost in different construction skills such as masonry work, reinforcement bar bending and detailing, formwork preparation, quality testing of construction materials, etc. The students of IITRAM visited the facility in order to get exposure on various construction aspects. The visit was started with a brief introduction about the objective of the institute and their activities by Mr. Sanjay and Mr. Umesh from L&T-CSTI. The students then visited the model room where various construction tools, reinforcement bars and various scaled down models including L&T standard formwork were displayed. The students visited the training yard at L&T-CSTI and saw different types of conventional and L&T standard formwork, reinforcement for various types of structures/members such as column, foundation, walls, bridge pier and girder, etc. Some students also got hands on experience of bar bending with help of trainees at the institute.

Overall the students got useful exposure on various aspects of construction such as construction tools and safety in construction, developed understanding of formwork, reinforcement detailing and quality control of various construction materials such as sand, cement, aggregates, bitumen and reinforcement. The interaction of students with the instructors and trainees at the institute provided them insight on various important aspects such as planning, reading construction drawings, calculations for reinforcement bar bending, joints for formwork and importance of quality construction. The students shared their feedback on the visit to team members of L&T-CSTI. Overall the visit was very useful to the students and was a step forward in bridging the gap between theory and practice in Civil Engineering construction.

**Acknowledgement:**

On behalf of IITRAM, sincere thanks are extended to Shri. Vrajesh Parekh (Principal, L&T-CSTI), Shri. Umesh, Shri. Sanjay Joshi, Shri Surendra Palai, Shri Saudagar and their team at L&T-CSTI for their valuable time and support in facilitating the visit and explaining the technical details to the students. Thanks are also due to Dr. Yogesh Shah, Dr. Trudeep Dave and Dr. Kashyap Patel for joining the site visit and providing their support during the visit. Sincere gratitude is expressed to



Prof. Shiva Prasad (Director General, IITRAM), Prof. A. U. Digaskar (Director, IITRAM), Dr. N. N. Bhuptani (Registrar, IITRAM), Prof. Shanti Prasanna (Dean, IITRAM) and Dr. Yogesh Shah (Coordinator, Department of Civil Engineering, IITRAM) for their support and guidance for conducting the visit. Special acknowledgement to Mrs. Bhartiben and office team of IITRAM for facilitation of the visit including bus facility. Thanks to all students present for the visit for their good conduct and active participation during the visit.



### **Some Glimpses of Visit to L&T-CSTI**

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