



**IE(I) STUDENTS' CHAPTER – CIVIL**  
**CHAPTER CODE: 388120/BVME/CV**  
**B.V.M ENGINEERING COLLEGE,**  
**V.V. Nagar – 388120.**

Chairman: Prof. (Dr.) S. D. Dhiman

Faculty guide: Prof. A. N. Bhavsar

Advisor: Prof. N. F. Umrigar

**“Technical visit to L&T-CSTI and  
Science Carnival 2023, Ahmedabad.”**

Date: **4<sup>th</sup> March 2023**

Venue: **L&T-CSTI and  
Science Carnival 2023**

Total number of Students: **56**

Faculty Members:

1. **Prof. Jaydeep Prajapati**
2. **Prof. Dhaval Parmar**
3. **Prof. Mrunali Vasava**

The study of structural and functional components of a building is of vital importance for the students, and an overview of construction practices and techniques with some industrial exposure is a mandate for being technically sound.

Team **IE(I) Students' Chapter Civil**, in association with the **BVM Alumni Association**, organized a technical visit to **L&T Construction Skills Training Institutes (CSTI)** and **Science Carnival 2023, Ahmedabad**, for the second-year civil engineering students under the subject **2CE05-Construction Technology** on **March 4, 2023**.

All students and faculty members assembled near the **BVM Front Gate** at **07:00 am** and the bus departed at **07:45 am** and reached **L&T-CSTI** at **10:00 am**. The **Principal Mr. V.R. Parekh** welcomed all students and faculty members. Then all the students were divided into groups and taken to the various trade and to the model room, where various instruments and projects were displayed like:

1. Various Miniature Models of L&T-CSTI students were displayed.
2. Various types of Scaffolding related to Towers.
3. Various types of Formworks.
4. Formworks for beam, column, pier, abutment, girder, deck, etc.
5. QA and QC Lab
6. Carpentry Lab





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7. Brick Masonry, where students were explained how masonry is done and how various types of Bonds are implemented.
8. Different types of materials were displayed in Material Testing lab, where students got the insight of how the various materials are tested before using them.
9. They also displayed and showed the L&T's patented scaffolding and Doka formwork.
10. Safety equipment and safety gear were explained to the students, along with the importance of the same.
11. Projects of various L&T-CSTI students.
12. Different Electrical Instruments
13. Different Mechanical Instruments

In addition, students were taken to a practical field where the actual training and how they train the workers were explained, i.e., the actual role of the CSTI and the ongoing training of workers.

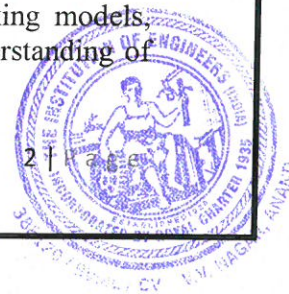
Below are the few operations and methods into which students gained insight.

1. Bar Bending schedule
2. Various methods of laying bricks i.e., various bonds.
3. Methods of plastering.
4. All things that were theoretically explained in model room and almost every aspect of the site work was being taught to the workers.
5. Various types of girders, deck, abutments, piers.
6. Types of Bricks
7. The erection methods of girders, deck, abutments, piers.
8. Reinforcement details of beams, columns slabs, etc. i.e., how these elements are tied and its correct methodology.

At L&T-CSTI, they had **PPE Kit** for Safety Purposes. It was mandatory for all workers and students to use all types of safety helmets, safety shoes, safety Belts, Safety Jackets, and other safety equipment for the safety of an individual. They also had various other workshops related to the carpentry and electrical departments, from which students also got to know much more about different departments as well and various construction methods were explained.

After the visit of L&T-CSTI, at **01:30 pm**, students and faculty members departed from L&T-CSTI and had lunch at **2:30 pm** in **Premvati**, which had a very amazing feeling.

Students and faculty members then reached to **Science City, Ahmedabad**, at **04:00 pm** where the **Science Carnival 2023** was going on. **Gujarat Science City** is a bold initiative of the Government of Gujarat to realize this priority. The Government has created a sprawling center at Ahmedabad which aims to provide a perfect blend of education and entertainment. It has showcase contemporary and imaginative exhibits, minds on experiences, working models, virtual reality, activity corners, labs, and live demonstrations to provide an understanding of science and technology to the common man.







The various attraction spots were the:

1. Robotics Gallery
2. Aquatic Gallery
3. Planet Earth
4. The Hall of Space
5. The Hall of Science
6. The Energy Education Park
7. The Life Science Park
8. The Amphitheatre.
9. Nature Park

The main objective of this Science City was:

1. To promote and exhibit interaction of science, technology, energy, and environment with human life.
2. To showcase the latest scientific and technological breakthroughs.
3. To establish a countrywide network with Shared programs in association with various Institutions and organizations.

At **6:00 pm**, all students and faculty members departed from the Science City and left for the BVM College. At **08:00 pm**, all students and faculty members returned at **BVM College** and concluded the visit with an ability to apply obtained knowledge to execute normal sized building construction project.

This visit was coordinated by **Prof. Jaydeep Prajapati**, **Prof. Dhaval Parmar**, and **Prof. Mrunali Vasava**, without whom the visit would not have been interesting and fruitful.

IE(I) Students' Chapter Civil is very thankful to **Principal Dr. Indrajit Patel**, **Head of Civil Department Dr. Sanjay Dhiman**, **Prof. Amit Bhavsar** and **Prof. N.F. Umrigar** for their constant support.

**Program Outcomes:**

1. To identify the training needs of the construction workforce and set standards to monitor their occupational competencies and technical skills deployed in the industry.
2. Select appropriate structural and functional components for building.
3. To disseminate knowledge and appropriate skill practices through recognized systems of training, testing and certification to validate competency levels.
4. Develop comprehensive understanding about construction process of building components.
5. To promote innovative and experimental activities through minds-on exposures and hands-on learning process.

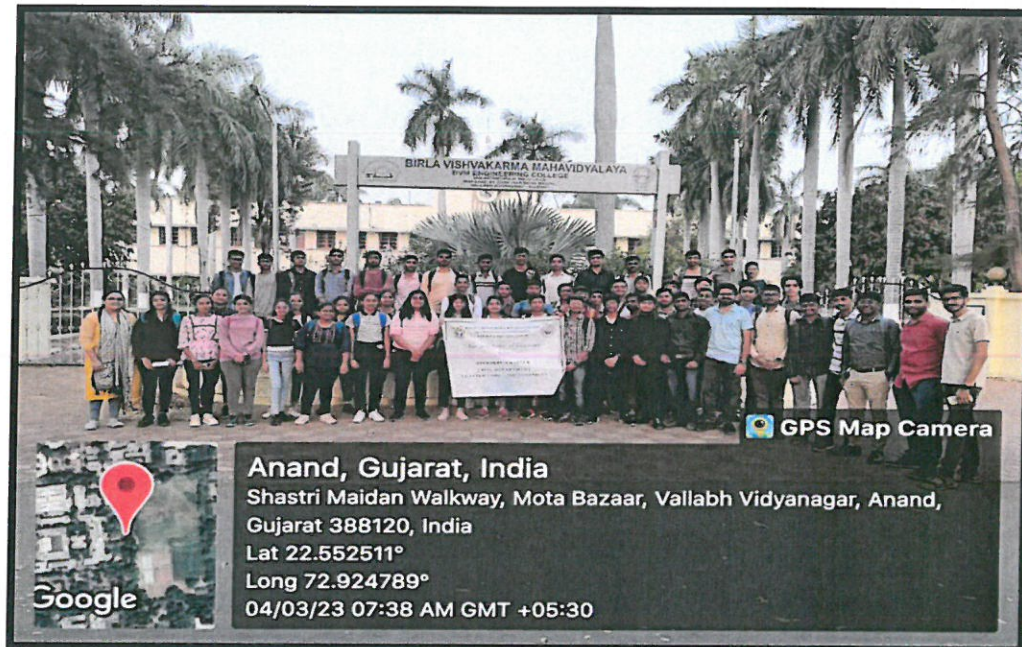




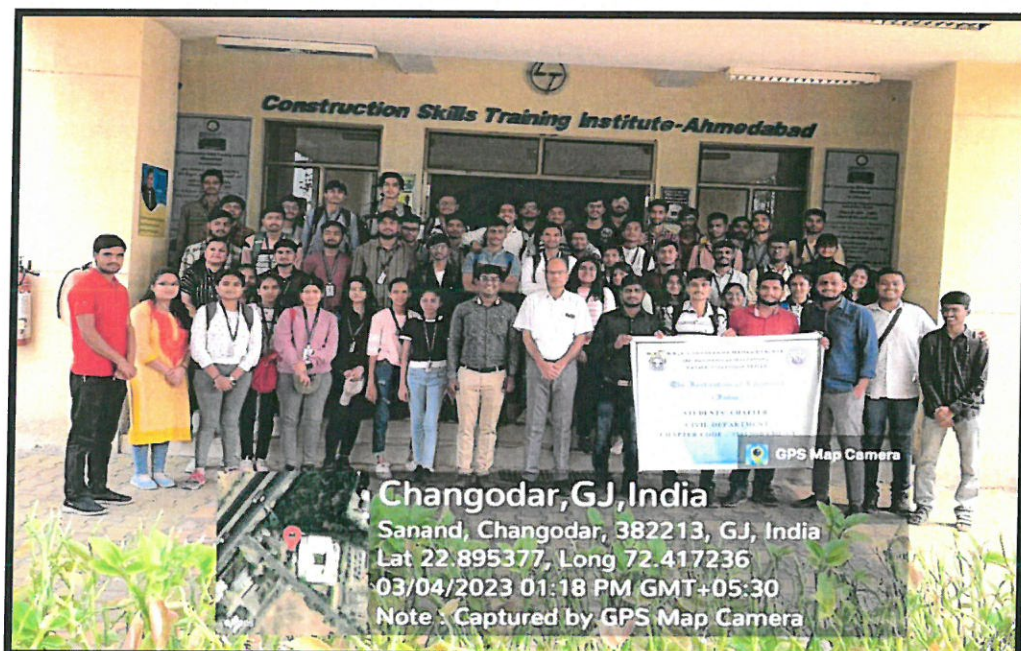


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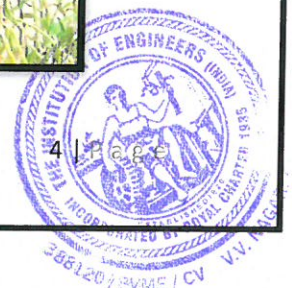
**Delineation:**



**Fig. (1) Students and Faculties at BVM Front Gate**



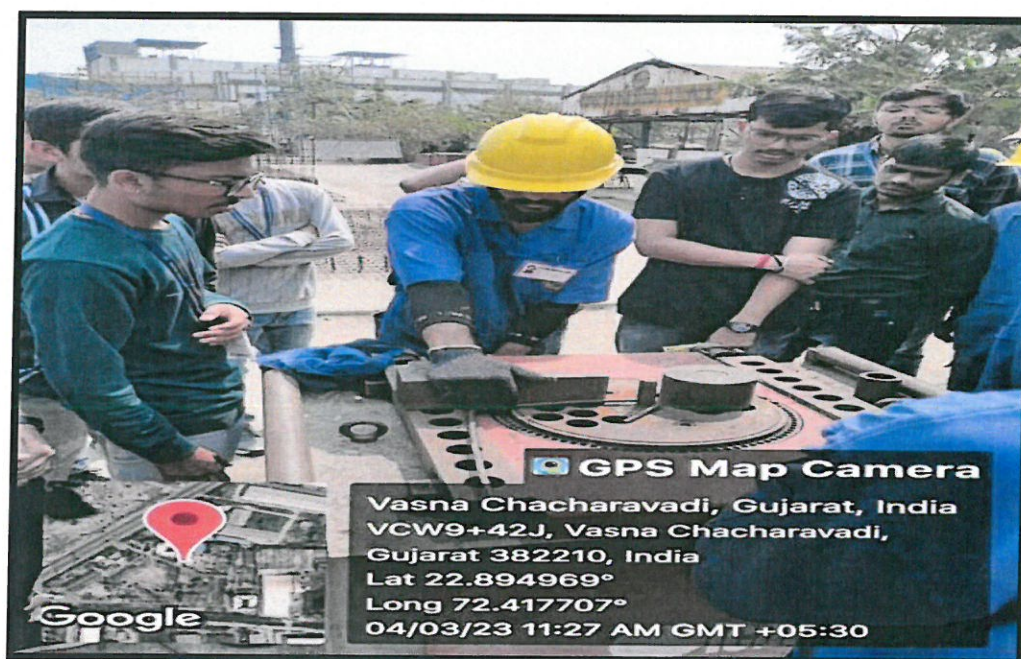
**Fig. (2) Students and Faculties at L&T-CSTI**







**Fig. (3) L&T Patented Scaffolding Work**

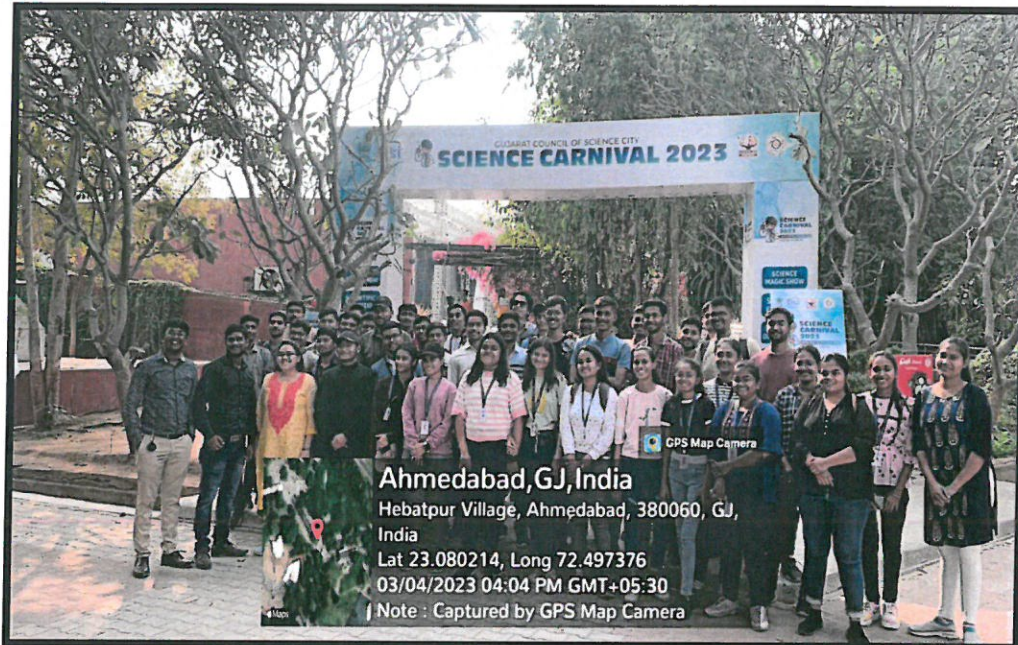


**Fig. (4) Bar Bending Using the Machine**

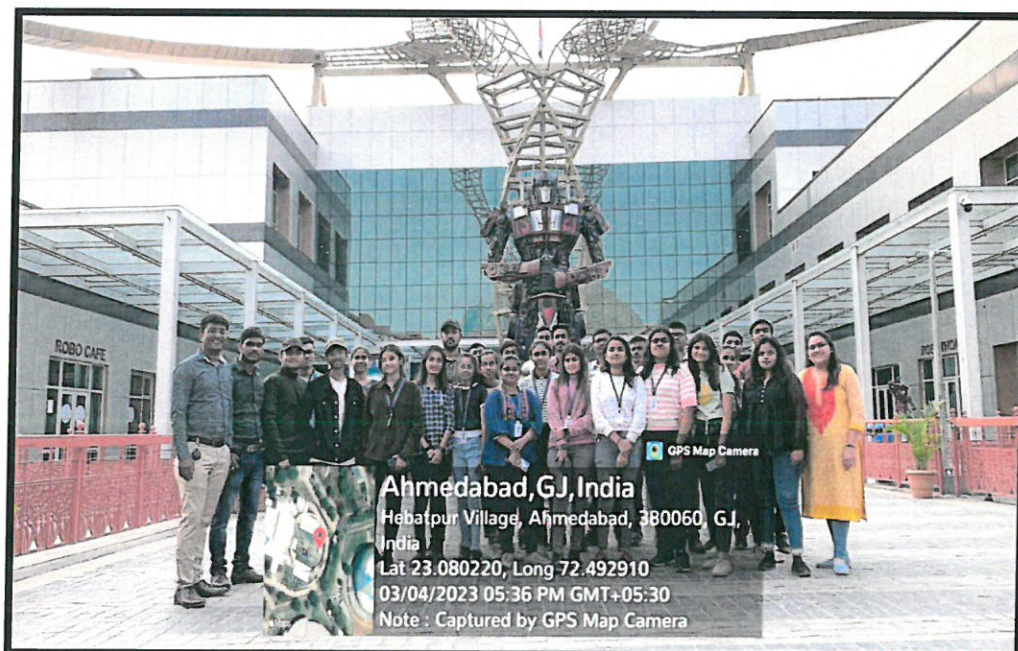




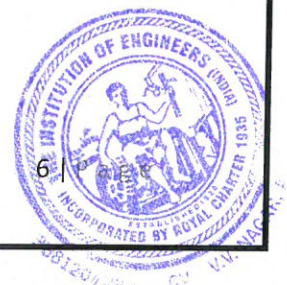
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**Fig. (5) Students and Faculties at Science Carnival 2023**



**Fig. (6) Students and faculties at Science Center 2023**







**Fig. (7) Visited Various Sites**



## "Technical visit to L&T CSTI and Science City"

### ATTENDANCE SHEET

Location:- BVM engineering college.

| Sr No | ID NO.  | Name                 | SIGN               |
|-------|---------|----------------------|--------------------|
| 1     | 21CE002 | Bharthu Daudbhai     | <i>[Signature]</i> |
| 2     | 21CE004 | Kiran Rathod         | <i>[Signature]</i> |
| 3     | 21CE005 | Chavda Mahendrasinh  | <i>[Signature]</i> |
| 4     | 21CE006 | Nilay Thummar        | <i>[Signature]</i> |
| 5     | 21CE008 | Senif Badi           | <i>[Signature]</i> |
| 6     | 21CE009 | Chavda Faladu        | <i>[Signature]</i> |
| 7     | 21CE014 | Bhautiksinh Parmar   | <i>[Signature]</i> |
| 8     | 21CE015 | Dhaval Kumar Chauhan | <i>[Signature]</i> |
| 9     | 21CE016 | Patel Dhansukhbhai   | <i>[Signature]</i> |
| 10    | 21CE017 | Darsh Ajmera         | <i>[Signature]</i> |
| 11    | 21CE018 | Patel Prakashbhai    | <i>[Signature]</i> |
| 12    | 21CE019 | Sankalp Rathod       | <i>[Signature]</i> |
| 13    | 21CE027 | Mahin Shaikh         | <i>[Signature]</i> |
| 14    | 21CE028 | Mohammad Ali Shaikh  | <i>[Signature]</i> |
| 15    | 21CE035 | Bhandari Jaysukhbhai | <i>[Signature]</i> |
| 16    | 21CE036 | Shreya Chauhan       | <i>[Signature]</i> |
| 17    | 21CE037 | Menshi Ashwinbhai    | <i>[Signature]</i> |
| 18    | 21CE041 | Kirankumar Rathva    | <i>[Signature]</i> |
| 19    | 21CE049 | Ayush Patel          | <i>[Signature]</i> |
| 20    | 21CE051 | Hiteshbhai Palash    | <i>[Signature]</i> |
| 21    | 21CE052 | Sejalben Baria       | <i>[Signature]</i> |
| 22    | 21CE056 | Umang Raichura       | <i>[Signature]</i> |
| 23    | 21CE070 | Jaldiraj Jani        | <i>[Signature]</i> |
| 24    | 21CE075 | Mahla Shankarbhai    | <i>[Signature]</i> |
| 25    | 21CE079 | Jay Kumar Chaudhari  | <i>[Signature]</i> |
| 26    | 21CE081 | Brijesh Bariya       | <i>[Signature]</i> |
| 27    | 21CE087 | Rabari Deep          | <i>[Signature]</i> |
| 28    | 21CE089 | Dhruv Panchal        | <i>[Signature]</i> |
| 29    | 21CE090 | Priya Patel          | <i>[Signature]</i> |
| 30    | 21CE095 | Mitul Prajapati      | <i>[Signature]</i> |

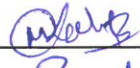
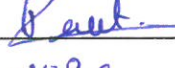
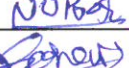
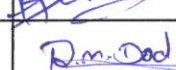
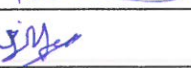

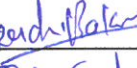
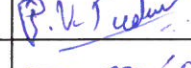
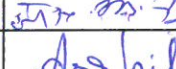
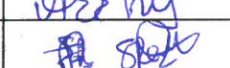
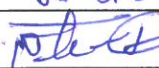
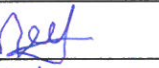
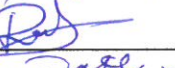
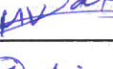
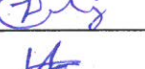

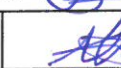


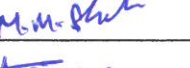
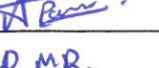
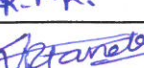
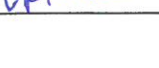







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| Sr No | ID NO.  | Name                     | SIGN  |
|-------|---------|--------------------------|---|
| 31    | 21CE104 | Manshi Bhatti            |    |
| 32    | 21CE106 | Preet Kabrawala          |    |
| 33    | 21CE107 | Nupoor Bariya            |    |
| 34    | 21CE113 | Soham Prajapati          |    |
| 35    | 21ce115 | Dodiya Manojsinh         |    |
| 36    | 21CE116 | Jigar Panchal            |    |
| 37    | 21ce117 | SavanS olanki            |   |
| 38    | 21CE122 | Rucha Rucha              |  |
| 39    | 21ce125 | Pradyuman Jadav          |  |
| 40    | 21CE145 | KangadG.                 |  |
| 41    | 21CE146 | Arshil Vahora            |  |
| 42    | 21CE147 | Sharafat Pathan          |  |
| 43    | 21CE153 | Nisarg Pokar             |  |
| 44    | 21CE159 | Vanpariya Pravinbhai     |  |
| 45    | 22CE301 | Radhika Mokani           |  |
| 46    | 22CE303 | Meet Rathi               |  |
| 47    | 22CE305 | IshwaChaudhari           |  |
| 48    | 22CE310 | VipulBavaliya            |  |
| 49    | 22CE311 | Sajendrasingh Rajpurohit |  |
| 50    | 22CE330 | Meet Kumbhani            |  |
| 51    | 19CE103 | Vishwarajsinh Gohil      |  |
| 52    | 19CE128 | Mayur Baldaniya          |  |
| 53    | 19CE135 | Manan Shah               |  |
| 54    | 19CE140 | Adityarajsinh Parmar     |  |
| 55    | 19CE141 | Ravirajsinh Rana         |  |
| 56    | 19CE204 | Vaishnavi Tandel         |  |

