

A Report

On

“Industrial Visit – Captain Tractors ”

For the Students of Automobile Engineering Department. (Semester – VIII)

On 20th April 2018. (Friday)

- **Objective:** “Training and Exposure on the manufacturing of a Mini Tractors , plant automation, Lean manufacturing , Implements used in same, Special purpose vehicle in Sem VIII.”

- **Venue:** “Captain Tractors, Shapar, Rajkot, Gujarat.

- **Number of Students:** 44 (VIII semester, Automobile Engineering)

- **Head of the Department:** Mr Tushar Thakar

- **Faculty Coordinator’s:**

1. Mr Tushar Thakar (HOD Automobile Engg. Dept.)

2. Mr. Nirav A. Mehta (Asst. Prof. Automobile Engg. Dept.)

3. Mr. Adil Shaikh (Asst. Prof. Automobile Engg. Dept.)

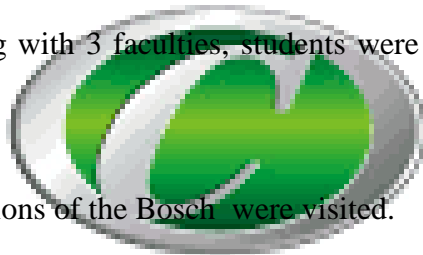
Pioneer of The Mini Tractor

1.1 OVERVIEW:

The number of students who attended the visit was 44 accompanied by 3 faculty members. On the day of visit, the students and the faculty left the college campus at 5:30 AM and reached the venue at 10:30 AM. The students as well as faculty travelled on one bus hired by LJJET accordingly. Plant visit was completed upto 1:00 PM and we reached back to LJJET at 10:00 PM.

Initial seminar on the working of Captain Tractors was given by HR Manager to the students. They explained the working and inspiration of company. They explained about implements and future goal of company.

Under their guidance and along with 3 faculties, students were then led to visit Manufacturing unit of plant.



To put it briefly, following sections of the Bosch were visited.

- Assembly and manufacturing of Tractors.
- Industrial Hydraulics, Linear motion technology
- Off road and on road testing of Tractors.
- Application of implements.

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1.2 Plant Details:

Captain Tractors are the leading manufacturers and exporters of compact tractors in India. Our mini compact tractors are assembled using high quality tested raw materials and components as per industry standards. Our rugged compact tractors manufactured in India require low maintenance costs and the accessories are well recognized for dimensional accuracy and corrosion resistance properties. These tractors are competitively priced and affordable to small farmers. In short, our compact mini tractors are clear evidence of fast progress and compliment

Being leading compact tractor manufacturers and exporters in India, we are engaged in manufacturing mini tractor since 1994. Our Compact Tractors are deeply tested by quality team in India for different quality parameters. Our Mini Agricultural tractors are fuel efficient and eco – friendly available at attractive industry leading prices for valuable customers. The functionalities of Mini Agricultural tractors can be customized on customer demand and requirement. Surely, our mini tractor is a profitable solution for small farmers enhances overall productivity and crop quality.



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1.3 Features of Company:

- Employee: 80+

Multi-disciplinary know-how is the basis for innovative solutions that are used as components or customized Mini Tractors. Because Captain Tractors offers a complete range of Implements, advice to customers is free of technological bias, resulting in the most appropriate solution for the task at hand. Captain tractors technologies are used in all branches of industry. Comprehensive service offerings fortify Captain Tractors' leading position worldwide as a partner for machine and system manufacturers.



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1.4 Photography

Photography was prohibited inside plant premises, so group photo was taken outside the plant.





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SUMMARY AND OUTCOME OF THE VISIT

The visit enabled the students to

- Recognize the manufacturing of Tractors and its implements.
- Identify different manufacturing process.
- Experience the importance of working safety.
- Understand how the in house testing and validation carried out.

The visit ended at 1:00 pm, the faculties and students reached the college at around 9:30 am on 20/04/2018. The overall response of the students was positive.

Below are listed feedbacks of few of the students

1. Practical exposure to student.
2. They requested to arrange similar visit in the next semester with different domain.
3. The visit has helped them to understand their already learned subject.



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ACKNOWLEDGEMENT

The coordinators are grateful to the College authorities, Management and the Vice President – Dr. Manish Shah (LJK Trust) for supporting them to carry out such a program and for providing the support. Secondly, the coordinators would like to thank Dr. A.C. Suthar – Director (L.J.I.E.T.), who encouraged the coordinators for this program. Coordinators are thankful to HR head Mr. Mahesh Behuria. Also, the coordinators extend their gratitude to the Head of the Department – Mr Tushar Thakar, who has played a major role by being there at the time of need. Last but not the least; the students did a wonderful job and the coordinators are proud of each of their students.



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