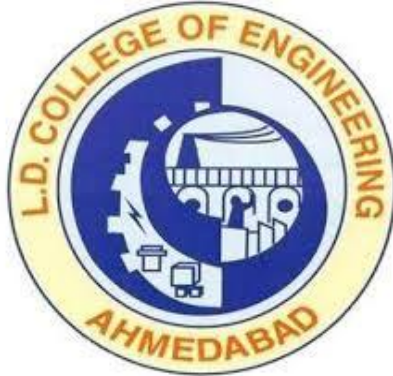


INDUSTRIAL VISIT TO BRTS Workshop, Narol, Ahmedabad, Gujarat

**By Students of BE SEM 6th Semester Automobile Engineering
& ME 2nd Semester IC & AUTO**

L.D. College of Engineering, Ahmedabad.



Visit by the Students: BE VI Sem (Automobile Engineering Department)

Date of Visit : 21th Feb 2015

Place of Visit : BRTS Workshop, Narol, Ahmedabad, Gujarat

Faculty Coordinators: 1. Prof. M. A. Shaikh, Assistant Professor (Automobile)

2. Prof. V. G. Trivedi, Assistant Professor (Mechanical)

Visit Coordinator : Prof. M. A. Shaikh, Assistant Professor (Automobile)

Student Report Compiled by: Ojaswa Singh (6th Semester Automobile Engineering)

Description

BRTS (Bus Rapid Transient Service) Workshop in Ahmedabad was visited by students of 6th Semester Automobile Engineering of L. D College of Engineering on 21.02.2015 as industrial visit for understanding the basic functioning and working of BRTS.

Total of 38 students participated in this industrial visit.



We gathered at **BRTS workshop at Narol** distributed in 300 acre area via AMTS and BRTS buses from different part of Ahmedabad at 10 A.M. There Sir described the basic motto and aim applied in designing of BRTS bus which was of 900 sq feet and 12 meter then the usual buses which is 10 meter long which is the 1st successful, effective BRT and seeing the success rate, the design was adopted by Delhi and Rajkot and thus training experts from various cities in implementation of similar system in their cities.

Firstly there we saw the process of **Wheel Alignment** which was in progress when we reached there. The Technician who was working there, explained the whole procedure of wheel alignment and checking all the angles (Camber, Caster and Toe). Then he corrected the toe and also explained us the whole procedure.



Then he explained about the tyres and different types of wear in tyres and also shown us the equipment to fix up the wear. Along with it he shown us the **Wheel Balancing** machine and also shown the method to do the same.



After this we saw the engine maintenance procedure which was being done by Technician. He was cleaning all the components of the engine like push rod, rocker arm, injectors etc. One other Technician was cleaning the engine block with sand paper. He also explained us working of each parts.

At BRTS workshop we saw the whole mechanism of washing and repairing of buses which believes in providing healthy and safe environment to the travelers and if the bus is unable to fulfill the required criterion, then the bus operator is penalized.

We also came to know that all the maintenance and repair work is mostly done at night, so that all the buses run in the morning and at night when the buses are not running all the defects are checked first and then repaired.

After this knowledgefull session at 2pm we left for our respective home.

