

## **SILVER OAK COLLEGE OF ENGINEERING & TECHNOLOGY**

### **DEPARTMENT OF CIVIL ENGINEERING**

A site visit was organized on “Bus Rapid Transit System (BRTS) Control Room” on 6<sup>th</sup> March, 2019 at Civic Centre Usmanpura. Asst. Prof. Rewati Marathe, Lecturer Amita Shah, from Civil Department have attended the visit with 80 students of 6<sup>th</sup> semester, SOCET.

Subject	:	Urban Transport System (UTS)
Date	:	06-03-2019
Day	:	Wednesday
Timings	:	10:30 am to 1:30 pm
Nos. of faculties	:	Asst. Prof. Rewati Marathe, Lecturer Amita Shah,
Nos. of Students	:	80 students of 6 <sup>th</sup> semester
Session Conducted by	:	<b>Mr Tushar Kotiya and Mr Patel, Incharge, BRTS Control Room</b>
Site Visit location	:	BRTS Control Room, AMC Office, Usmanpura Cross Roads, Ahmedabad

#### **Introduction of BRTS:**

Ahmedabad Municipal Corporation has incorporated a "Special Purpose Vehicle" called Ahmedabad Janmarg Ltd in order to run and to operate BRTS buses. Ahmedabad Janmarg Ltd. is registered under Companies Act, 1956 and is 100% subsidiary of Ahmedabad Municipal Corporation. In order to provide faster, reliable, eco friendly and advanced Public Transportation Ahmedabad Janmarg Ltd is committed to operate and run BRTS services for the citizen of Ahmedabad. Ahmedabad Janmarg Ltd has 87 km operational route with 160 (59 A.C buses) buses and about 1.45 lakhs average passengers per day.

#### **Session:**

Ahmedabad has a population of more than 6.3 million and an extended population of 7.2 million. It is the sixth largest city and seventh largest metropolitan area of India. The Bus Rapid transport system was created to serve a growing population. The project was sanctioned by the Ministry of Urban Development under JNNURM program in 2005.

Technical procedures were started in 2006. Based on an analysis of the socio-economic factors, travel demand patterns, road network characteristics, the metro plan and the existing Ahmedabad Municipal Transport Service (AMTS) route network, a network of roads covering about 155 kilometres in length was identified for developing the BRTS. The system is named *Janmarg*, which means *the people's way* in Hindi

The study visit was planned for students to understand the importance of BRTS. This system is cost effective for long routes and serving wide variety of urban and sub urban population. BRTS systems can also provide a broad array of express, limited-stop and local all-stop services on a single facility without complex signal system.

Mr Tushar Kotiya, Incharge Control room very interestingly explained the entire procedure of control room. Students were overwhelmed to see the functioning of cameras. Such effective cameras are also useful in detecting crime was also explained by Mr Tushar. Mr Patel showed how every 10 seconds the data is updated depicting information about on-time, late and early bus along with live location of buses shown on screen with different colours. Number of passengers travelling, revenue collected, routes of buses and various data can be obtained from the control room. If driver is breaking traffic rules by over speeding, this offense can also be recorded and driver is fined. Students had an opportunity to see live working of control room, which elevated their theoretical knowledge with practical approach. The officers working at the control room were too enthusiastic and co-operative.

Now E Autos will be used as feeder vehicles for BRTS. Pilot project is started at Memnagar BRTS. The officers were ready to involve our students and faculties for research work in E Auto in future. This would provide really great platform for our Institute. It was a very fruitful learning visit.

### **PHOTOGRAPHS OF SITE VISIT**

