

**SHRI SANT GAJANAN MAHARAJ
COLLEGE OF ENGINEERING, SHEGAON – 444 203**

**A
Report
on
Industrial Visit**



Dates of Visit : 15th to 18th Jan 2018.

Class : 4U1 & 4U2

**Dept. of Electronics & Telecommunication Engineering
(Session 2017-18)**

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Industries Visited :

- 1) Police Wireless Training Center, Dr.HomiBhaba Road, Chavannagar, Pashan, Pune
Contact Person : Mr. Ritesh kumar Director General of Police
- 2) Renu Electronics, Baner Road, Village Ghotawade, Pune
Contact Person : Mr. Prashant Nayakwade Mob. 7722013310

Industrial Tour Members :

(A) Faculty and staff :

- (1) Prof. V. M. Umale
- (2) Prof. D.P. Tulaskar
- (3) Prof. Mrs. Lokamudra Samal
- (4) Mr. P. P. Dharmadhikari

(B) Students :

- (1) 4U1 students - 58
- (2) 4U2 students - 56

The detail schedule of Industrial Visit are as follows :

Three vehicles arranged(Big Bus, Star Bus and Ambulance)for 118 members(114 students,4 staff) and departed from SSGMCE campus for Pune at 7.00 am on 15/01/2018.

Sr.No.	Activity	Time and Date
1	To Devgad Sansthan for Lunch	1.00 pm, 15/01/2018
2	To Gajanan Maharaj Sansthan, Bhakta Niwas, Alandi	9.30 pm, 15/01/2018
3	To Imagica for Excursion (From Bhakta Niwas, Alandi)	7.00 am , 16/01/2018
4	To Gajanan Maharaj Sansthan, Bhakta Niwas ,Alandi	10.30pm, 16/01/2018
5	To Police Wireless Training Center , Pashan ,Pune	11.30 am, 17/01/2018
6	To Gajanan Maharaj Sansthan, Bhakta Niwas ,Alandi	9.30pm, 17/01/2018
7	To Renu Electronics Baner Road, Ghotawade, Pune (With Luggage after checkout)	12.30am , 18/01/2018
8	To SSGMCE Shegaon directly from Renu Electronics, Pune	5.30pm , 18/01/2018
9	Dinner by all students at Hotel Rajyog (on highway Near Ranjangaon) and Darshan at Ranjangaon	About 4 Hours
10	Arrived to SSGMCE campus	11.30am , 19/01/2018

Outcomes of Industrial Visit :

As per the present scenario, technology is advancing rapidly. New innovative ideas need to be cultivated to keep up with the emerging technological demands. Following are the outcomes of the visit.

- (1) To expose the students about various allied areas during the academics for making them better professionals.
- (2) To acquire knowledge about real use of Earth station, transmitter and receiver for Wireless Communication.
- (3) To get familiar with Validation & testing techniques, Manual & automatic testing methods.
- (4) To know about Research & development breakthrough.
- (5) To become familiar with complete assembly flow of board right from picking unpopulated board, picking components and devices automatically and preparing a populated board with the help of wave soldering, then after complete automatic process of packaging application boards as per the requirements.

During this session, students interacted with the staff of Police Wireless Training Center and Renu Electronics very effectively. This Session primarily focused on call setup using Mobile devices. The GSM methodology brief introduction was given. Omni directional antenna and its utility in the communication process was concisely discussed. Practical implementation of frequency reuse and cell sectoring concept. The basic functioning of Base Transceiver station (BTS) and Base station Controller (BSC). The various Bandwidth saving techniques adopted by Police Wireless were discussed. The role of Telecomm operators in the criminal cases and assistance facilities provided by Police wireless to the local police officials were also discussed.

Glimpses of the Tour :



The one day visit was organized with prior permission from Director General of Police, Police Wireless, Maharashtra State, Pune. The sessions conducted were very educational and benefited to students about exposure of the industry and the outside market. The students were familiar with the technical terms and the knowledge of how a call setup is made using Landline and mobile phones. The company outreach plus opportunities were discussed which was motivated the students to progress in their stream.



We express our sincere thanks to Hon. Director Shri Shrikantdada Patil and Hon. Principal Dr.S.B.Somani for permitting the visit.

Prof. V.M.Umale/Prof.D.P.Tulaskar
IV Coordinators (4U)

Dr. G. S. Gawande
Head, EXTC