



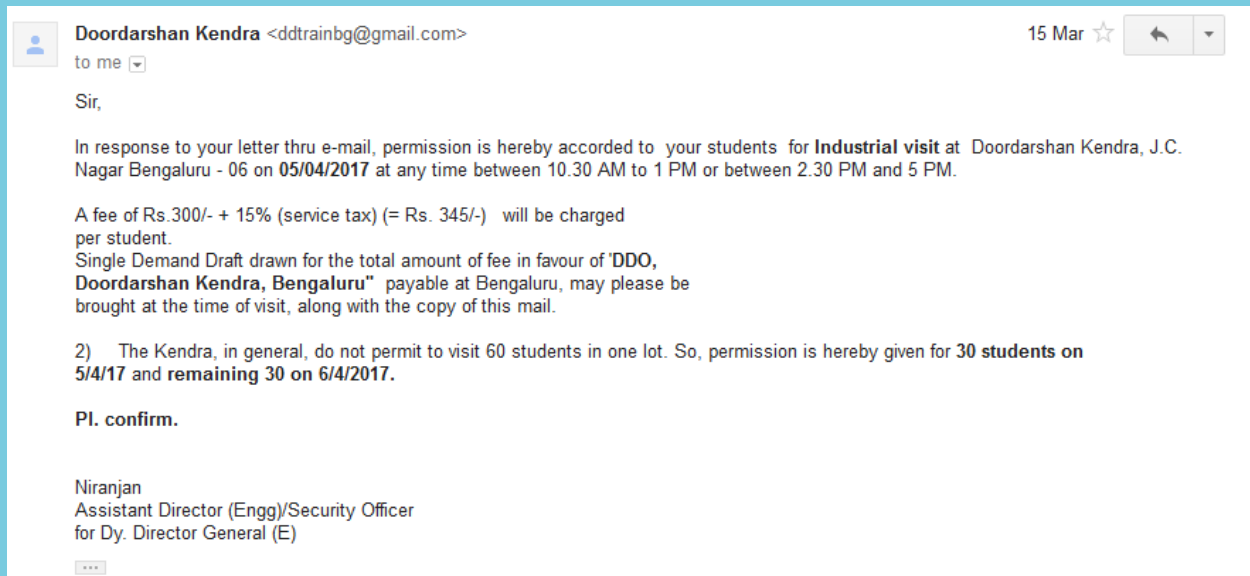
BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT
YELAHANKA – BANGALORE - 64
DEPARTMENT OF ELECTRONICS AND COMMUNICATION

Report on Industrial visit at
Doordarshan Kendra , Broadcasting center Bangalore.

5th April, 2017.

For IV sem students

Approval letter from Industry



Faculty accompanying details:

1. Rashmi N
Assistant Professor,
Department of ECE, BMSTM

2. Hamsavahini R
Assistant Professor,
Department of ECE, BMSTM

Undertaking letter from Faculty and approval letter from Principal

Date: 17th March 2017

To
The Principal,
BMS Institute of Technology and Management,
Bangalore - 560064

From
The Head of the Department
Electronics and Communication Engineering
BMS Institute of Technology and Management
Bangalore - 560064

Sir,

Subject: Requesting Permission for an Industrial Visit for the 4th Semester Students

With respect to the above subject, we seek your kind permission to visit Doordashan Kendra J C Nagar Bangalore. The fourth semester 'A' and 'B' Section Students of the department of Electronics and Communication Engineering desire to visit Doordashan for a day, preferably in the month of April 2017. The total number of students expected would be approximately sixty (60) accompanied by two faculty members. Further, the students, faculty members and HoD of ECE Department will ensure that we strictly follow the guidelines stipulated by AICTE for industrial visit.

Hahn 17/03/20
With Regards
Dr. M. C. Harimantharaju
HOD - ECE

Forwarded to the principal
for kind needed.

Hahn
17-3-17



Industrial visit was carried out at Doordarshan Kendra, Bangalore on 5th April, 2017 for fourth semester students. The main objective behind the visit was to make student aware about how various activities related to broadcasting, marketing and human resources are carried out in the company and give them insight of these activities in real world.

Along with 28 students two faculties from ECE department left for visit in the BMSIT and M college transportation at 9:30 am and took about an 45 min to reach the company .The company is located in the J C nagar, Bangalore .



As soon as we reached company we were guided by Mr. Niranjan, Assistant Director who gave orientation of the industry. After the orientation program, the students are grouped into two groups each group visited Earth station and production center.

About the Industry:

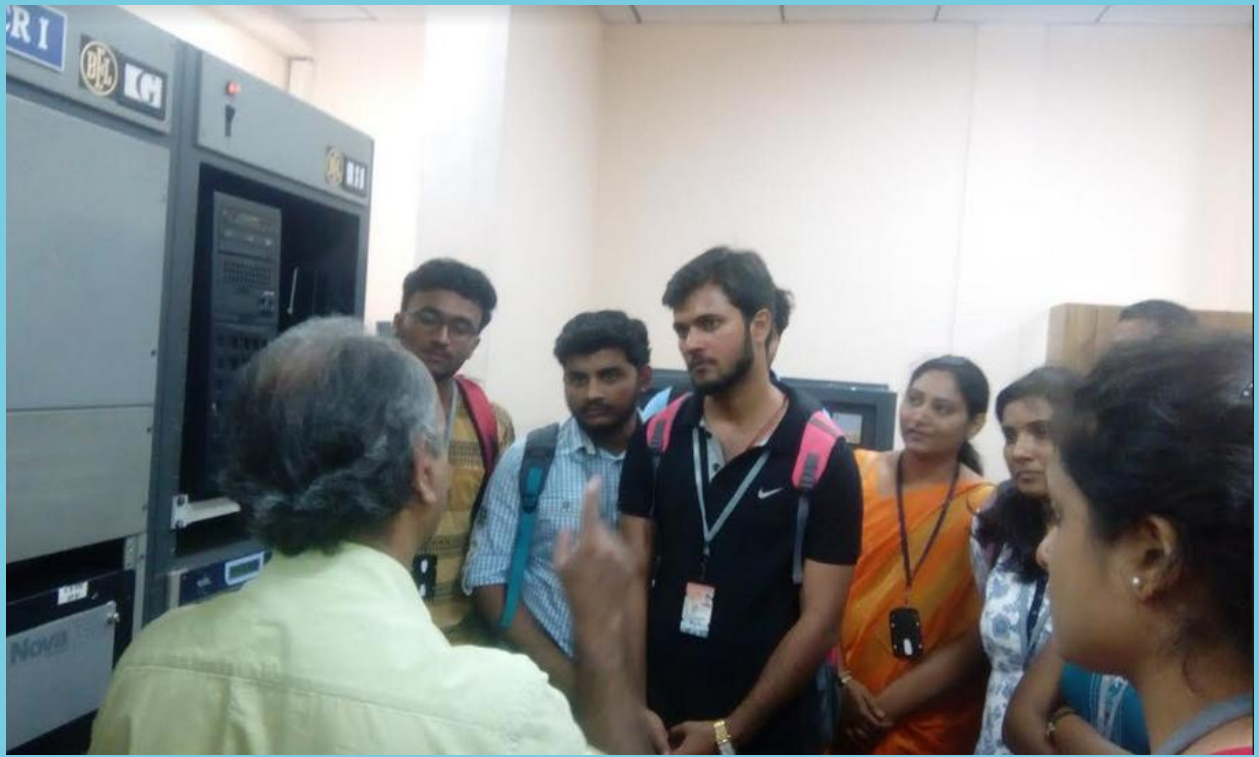
Doordarshan, the Public Service Broadcaster of India started its journey on 15th September, 1959 on an experimental basis. Over the years it has made significant contribution to accelerate socio-economic change, promote national integration and stimulate scientific temper. Further it strives to carry messages in its programmes on information technology, population control and family welfare, preservation of environment and ecological balance, highlighting the need for social welfare measures for women, children and the less privileged. It also promotes games and sports as well as the artistic and cultural heritage of the country. In the year 2009 it completed its 50 glorious years of broadcasting and has become a leading TV organization. As on 31.12.2010 Doordarshan had 66 Studio Centres for programme production, 1415 transmitters of varying powers providing TV coverage to about 92% population of the Country, and 35 Channels which includes 8 all India Channels, one International Channel, 11 Regional Language Satellite Channels and 15 State Networks.

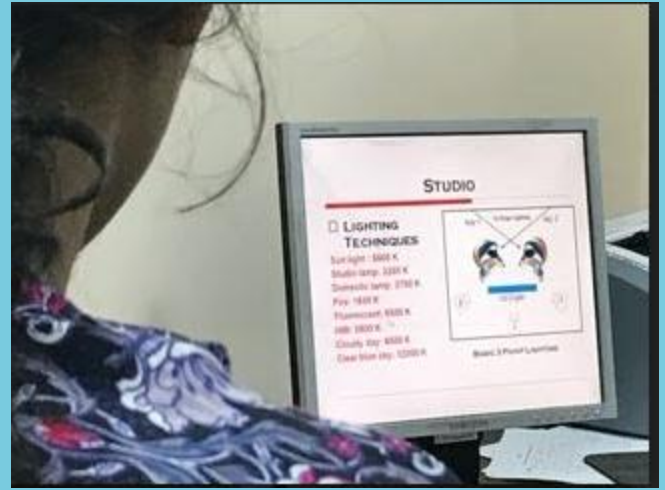
Doordarshan has a three tier programme service namely National, Regional and Local. To provide additional software in the regional language 11 RLSCs telecast programmes round the clock in the respective languages of the States which are available terrestrially in the States during regional transmission and in Satellite mode at other times.

As of now in Karnataka there are 62 transmitter (8 – HPTs, 47 LPTs and 7 VLPTs) that are giving terrestrial support to the Primary Channel of Doordarshan also known as DD-1 and 6 transmitters (4 HPTs and 2 LPTs) that are giving terrestrial support to DD-News, another all India Channel.

.After the brief introduction about the industry by Mr. Niranjan the students are Splitted into two groups. One of the group is guided by Mr. Krishanan, we headed towards Production center, and another group is taken to Earth station

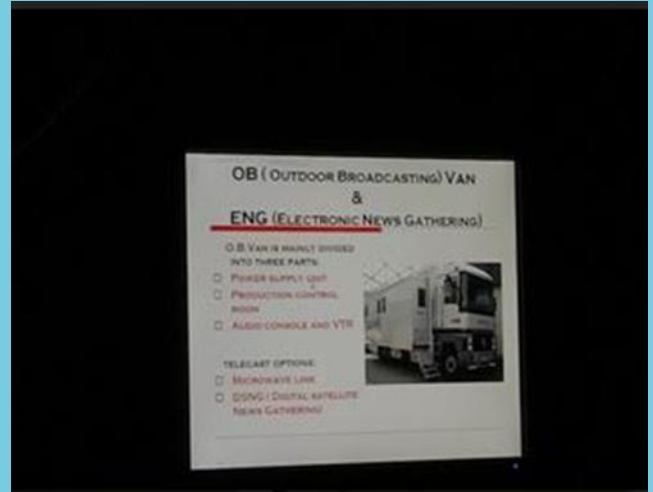
The production center is guided by Mr. Krishanan, He showcased how the programs are recorded, how optical technologies are used to make great program, he even showed how live programs are aired. What are the technologies used to modulate the signal and how these signals are transmitted to earth station for broad casting.





After visiting production center we headed towards the earth station where Miss Priya explained the modulation technique used that is about orthogonal frequency division multiplexing with 64 ary used for modulation. Standby processors, heat sinkers, large omnidirectional parabolic antennas.





Students gathered knowledge about how the theoretical concepts are practically implemented in broadcasting center such as Doordarshan Kendra.

