



**BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, NEW DELHI**
(An ISO 9001: 2008 Certified Institute, AICTE Approved & Affiliated to GGSIPU, New
Delhi)

An
Activity Report
On
Industrial Visit to Doordarshan, Delhi

Organised By:
CSE Department

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1. AIM

Industrial visit to Doordarshan for knowledge mainly about the Technical procedure of managing the satellite based channels by Government of India.

2. COORDINATORS:

Faculty Coordinators: 1.Mr. Mohit Tiwari 2. Mr. Harsh Taneja

Student co-ordinators : 1. Ms. Sanchita Bhatia 2. Ms. Kanak Naithani

INTRODUCTION

Department of Computer Science, Bharati Vidyapeeth's College of Engineering, New Delhi successfully organized an industrial visit to Doordarshan, DTH Earth Station, Todapur, New Delhi on 7th February 2017.

PROGRAM SCHEDULE

7th February 2017, 10 a.m. to 4 p.m.

3. SPEAKERS

Firstly, students were headed by the staff to the conference hall of the company. A brief about the Base of Operations was shared by Mr. Shailesh Kumar Kanauje, Dy. Director (Engg). He shared that Prasar Bharati is India's public Sector Broadcaster where Channels are broadcasted through Satellites. In this Station there is a Control Room where all the Audio and Video are processed digitally. This means Frequencies are compressed so as to reduce their size and faster processing.

All the Operation were Divided into various Rooms. Each room has its own set of unique Server to Process data. And each workstation performs tasks at a unique I.P address. All data is then forwarded to work station that Sync voice and other multimedia in the video. Then video is Enhanced (Amplified) so as to repair the damage caused during transmission over long range. There were 3 major Satellites programmed to receive data from all over India at fixed frequency which is also known as Downlink. Uplink is also done by the same way. Finally after all the uplink and Downlink the Satellites orbiting the Earth Broadcast the data over different Frequency to different States of our Country.

4. LIST OF PARTICIPANTS

Around 35 students from CSE evening 3rd year attended the industrial visit.

5. RELATED PHOTOGRAPHS



