



# RAJARAJESWARI COLLEGE OF ENGINEERING

Ramohalli Cross, Kumbalagodu, Mysore Road,  
Bengaluru-560074.



## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGG

### Industrial Visit: “DD Chandana”

- Company Visited: “DD Chandana”
- Resource Person: Mr.Niranjan ,Assistant Director,DD Kendra-Chandana ,Bengaluru
- Date of visit: 1)24<sup>th</sup> October 2016 -5<sup>th</sup> B(42Studentes)  
2) 25<sup>th</sup> October 2016-5<sup>th</sup> A (44Studentes)
- Venue: DoorDarshan Kendra, J.C Nagar, Bangalore
- Semester: V<sup>th</sup> Semester
- Number of Students : 86
- Outcome of the program/visit: The students learnt about

#### 1. Transmitter Room

- It is a major unit of DD to broadcast all the programs/Events.
- They explained about how video and audio are transmitted through Satellite communication.
- This section consists of Digital and Analog transmitter .
- Explained about how analog and Digital modulation takes place which includes Modulator, Decoder, Encoder, Multiplexer, De-multiplexer, Demodulator.

#### 2. Playback Server

- The higher authorizers will send the Q-sheet of day to day program and tape of all programs
- Then authorized person will see the Q-sheet and arrange the program according to the order of events.
- The system automatically takes listed programs and the same telecast on air will come to our TV's.
- Televisions (TV) with cable will get program in actual time but TV's with Setup box will receive the programs with some amount of delay.



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#### 3. Recording studio unit

- Acoustic systems & sound systems
- Cameras of different resolution
- Teleprompt

#### 4. Editing unit

- Virtual Background
- Online recording

#### 5. Video Tape Recorder (VTR) studio

- Applications of OFC cables ,MSR ,Recorder
- Editing of news with audio, video and voice of original speech
- Controlling of cameras and lights through different switches

#### 6. Earth Station is used for uplink and downlink data from satellite

- Eg: Recording of National/International level sports

#### 7. Master Antenna is a self radiating antenna

- Eg:Used by private channels like 93.5 Red FM

#### 8. Outside broadcast vehicles and sink studio

#### 9. Power management for the communication system

- Coordinators : 1) Prof.S M Vijaya, Dept.of ECE,RRCE  
2) Prof.Pushpa M J, Dept.of ECE,RRCE