# Virtual Walk Around Campus Radio Station

## Organized by

# BVM Engineering College

**(An Autonomous Institution)**

**(Affiliated to Gujarat Technological University)**

# Summary Table

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|---|---|---|---|
| **Title of the event/workshop:** | **Virtual Walk Around Campus Radio Station** | | |
| **Name and Designation of the Experts:** | **Name** | | **Designation** |
| | **Mr. Paresh Patel** | | **Associate Professor** |
| **Organization and Department of the Experts:** | **Sr. No** | **Organization Name** | **Department** |
| | **1** | **Sardar Patel University, Vallabh Vidyanagar** | **Electronics Department** |
| **Name of the Principal of the Institute:** | **Dr. Indrajit Patel** | | |
| **Department Name of the Institute:** | **Electronics and Communication** | | |
| **Name of the Head of the Department:** | **Dr. Bhargav C. Goradiya** | | |
| **Year/Semester of the Students:** | **2nd,3rd,4th Year Students** | | |
| **Specific Subject under which event/workshop organized:** | **IEEE** | | |
| **Professional body under which event organized:** | **Dr. Jagdish M. Rathod, IEEE Student Chapter, Gujarat Section**<br>**Dr. Darshan C. Dalwadi, IEEE Student Chapter, Gujarat Section** | | |
| **Date and Time of the Event/Workshop:** | **2nd June 2020, 10:30 AM Onwards** | | |
| **No. of Days for Event/Workshop:** | **01** | | |

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|---|---|---|---|
| **IEEE Faculty Team Details:** | **Name: Dr. Jagdish M. Rathod**<br>**Email: jmrathod@bvmengineering.ac.in** | | |
| | **Name: Dr. Darshan C. Dalwadi**<br>**Email: darshan.dalwadi@bvmengineering.ac.in** | | |
| **Staff Coordinator's Details:** | **Sr. No** | **Name** | **Email ID** |
| | **1** | **Dr. Darshan C. Dalwadi** | **darshan.dalwadi@bvmengineering.ac.in** |
| | **2** | **Prof. Mayur Sevak** | **mayur.sevak@bvmengineering.ac.in** |
| **Total No. of Students:** | **350** | | |

## Objective of the event

- To understand the working principle of FM broadcasting.

## Expected Outcomes

- Working principle of Transducer (Microphone).
- Working principle of the mixture console.
- Understanding of Transmitter.
- Working principle Antenna.
- Working of station monitor.
- Working of audio editing.

# About the event

## INTRODUCTION:

The event started at around 10:30 AM on YouTube Live broadcast. Dr. Darshan Dalwadi welcomed the participants to the virtual walk. He gave brief overview of the event. Next, Dr. Bhargav Goradiya, Head, EC Department, BVM Engineering college gave opening remarks about the event. The expert of the event Prof. Paresh Patel, Associate Professor, Electronics Department, SP University accompanied by Prof. Mayur Sevak, along with student volunteers, presented at the Campus Radio station to demonstrate various technical instruments in order to get an insight to the participants online. CAMPUS RADIO STATION was started in 21 FEB 2005 and is run by S P University, Vallabh Vidyanagar. The following things were shown and discusses with the participants.

**Transmitter**:
It's the RF section from the FM signal is transmitted to its input is audio System and output signal is FM of 50 W.it also consist of 5 cd player which provide the facility of converting the case tracks to CD as well as vice versa. That system is utilized 10 years back.

**Antenna**:
The amplified signal is transmitter to the antenna for broadcasting. The specification are-Tower height: 30 meter. Antenna height: 3 meter. Campus radio station has a 3 dipole vertically polarized Omni direction antenna.

**Mixture Console:**
Campus radio station uses the Pc board multifunction console & 32 channel input can be accommodated (tracks)

**Microphone**:
The MIC Company was from CAD. Also with proportional grade and its condense microphone.

**Studio monitor:**
SM which uses to provides the real time recoding of the programs**.**
In the visit we get to see how Cubase-SEL command visual works as editor.

**Distribution amplifier:**
The input from CD player or computer is distributed to 4 channels for amplification.

## CONCLUSION:

In the conclusion, short Q&A session was held following with closing remarks.

# Glimpses of the event

**Transmitter**

**Antenna**

**Mixture Console**

**Microphone**

**Studio Monitor**

**Audio Editing Software**

# Valedictory Event Photo

BVM IEEE

STUDENT BRANCH