



IEEE Student Branch
Birla Vishvakarma Mahavidyalaya
(Engineering College)

5 YEARS ACTIVITY REPORT
(2017-2021)

“Advancing Technology for Humanity”

IEEE STUDENT BRANCH
BIRLA VISHVAKARMA MAHAVIDYALAYA ENGINEERING COLLEGE
EVENT DETAILS ACADEMIC YEAR 2017-18

Sr. No.	Event Title	Event Date	Number of Participants	Sponsored Agency	Resource Person
1	Orcade simulation tool and electrothon	15/7/2017	35	IEEE GUJARAT SECTION	Mr. K. R. Karthic, Mr. Chinmay Raval (4th Year EC Student), Prof. Darshan C. Dalwadi
2	Avenues For Increasing Employability Workshop	22/07/2017	190	IEEE GUJARAT SECTION	Mr. Darshan Shukla (L&T PTI), Mr. Praful Gajjar and Mr. Arpit Panchal (Himak Pvt. Ltd), Mr. Prakash Makhijani (Ohm Encon Pvt. Ltd), Mr. Hemang Vachani (Global Engineers), Mr. Jainendra Jain (AspiringEngs), Prof. R. P. Mehta, Prof. Darshan C. Dalwadi
3	Two day workshop on Bluetooth Robotics	13/9/2017 to 14/9/2017	65	IEEE GUJARAT SECTION	Mr. Dhruval, Mr. Devansh, Prof. Darshan C. Dalwadi
4	Industrial Visit on Sonic Technologies and Metro Electronics	23/9/2017	41	IEEE GUJARAT SECTION	Prof. Darshan C. Dalwadi, Prof. Kaushal R. Patel
5	Workshop on Scientific Calculator	21/11/2017	35	IEEE GUJARAT SECTION	Prof. Ronak R. Vashi, Prof. Darshan C. Dalwadi
6	Advanced Mobile Programming & AI (Artificial Intelligence)	20/1/2018	44	IEEE GUJARAT SECTION	Mr. Kashif Abbasi, Er. Yash Patel, Er. Azaz Memon, Prof. Amit Choksi, Prof. Darshan C. Dalwadi
7	One Week Workshop on Advanced C Programming	3/2/2018 To 9/2/2018	38	IEEE GUJARAT SECTION	Prof. Amit H. Choksi, Prof. Ronak R. Vashi, Prof. Darshan C. Dalwadi
8	One Week Workshop on Introduction to Python	5/2/2018 To 10/2/2018	33	IEEE GUJARAT SECTION	Khilan Pandya, Shyam Joshi, Prof. Darshan C. Dalwadi
9	Industrial Visit to Campus Radio Station, S P University	15/2/2018	25	IEEE GUJARAT SECTION	Prof. Mayur M. Sevak, Prof. Darshan C. Dalwadi
10	Workshop on Arduino & its Applications	26-02-2018	44	IEEE GUJARAT SECTION	Prof. Mayur M. Sevak, Prof. Darshan C. Dalwadi
11	Industrial Visit to Einfochip, Ahmedabad	09-03-2018	44	IEEE GUJARAT SECTION	Prof. Amit H. Choksi, Prof. Ronak R. Vashi, Prof. Darshan C. Dalwadi
PREPARED BY IEEE BRANCH COUNSELOR PROF. DARSHAN C. DALWADI					



WORKSHOP ON



AVENUES FOR INCREASING EMPLOYABILITY

DATE: 22nd July, 2017

VENUE: BVM ENGINEERING
COLLEGE



Today a workshop was organized by IEEE Student Chapter of Birla Vishvakarma Mahavidyalaya Engineering College on "Avenues for Increasing Employability". Experts from renowned industries and alumni of the college honoured the workshop. Mr. Darshan Shukla from L&T PTI, Mr. Praful Gajjar and Mr. Arpit Panchal from Himak Pvt. Ltd, Mr. Prakash Makhijani from Ohm Encon Pvt. Ltd, Mr. Hemang Vachani from Global Engineers (Alumni Student Mentorship Program) and Mr. Jainendra Jain from AspiringEngs encouraged and motivated the students of BVM. The aim of the workshop was to acquire insight and destroy false myths on what the industry actually expects from the brand new engineers. The event enlightened the students about the qualities that they should develop to reach the destination of any aspiring engineer in the industry. Also the companies would organize training workshops in the college, weekly on Saturdays. Information regarding those was expected.

The event was initiated by HOD of Electrical dept Dr. B R Parekh sir, Principal Dr. Indrajit Patel Sir and Dr. Rashesh Mehta Sir. Mr. Darshan Dalwadi gave positive remarks for the event and encouraged the students to show such enthusiasm and participation for events which bring exposure while Mrs. Dharita Patel graciously hosted the show. Then the dias was handed on to the league of experts to carry forward the day. Mr. Darshan Shukla started the session conveying the message that he would be interviewing the students during placements of L&T thus indulging all. He stated that an industry looks for 4 skills in an engineer namely Technical skills, Strategic skills, Personal skills and Communication skills and edified about the gap between theoretical and practical knowledge. He further added that all the departments in a company are interrelated and interdependent, it is therefore necessary to be aware about each and every process of the company. He mainly emphasized on developing a general common sense in handling the day to day actions, moving along with people as one will be working with many in the industry. These were the general prerequisites and they made it clear that they require men with appreciable technical skills.



Then details about workshops that L&T was to provide at the college were discussed. Then the experts from Himak Pvt. Ltd started their talk and emphasized on the foundations laid by the previous speakers. They also insisted in displaying consistent quality performance and instilled the idea that quality is a hobby. Industrial process of how rubber tyres are made was shown as an example that an engineer should forget the prefix in an engineering degree and work with all aspects of the process, understanding it and collaborating with people of various fields of interests and getting the job done.



An electrical engineer working in the process of transformer should also know to work with the civil and mechanical engineer so as to achieve the proper height at which the transformer has to be placed and materials to be used to achieve the height.

Experts from Ohm encon Pvt. Ltd and Global Engineers emphasized on these points and gave brief idea about the workshops they would be organizing. Mr. Jainendra Jain from AspiringEngs certainly increased awareness about the GATE examination and gave some tips and advices regarding the preparations and announced about coaching classes for GATE in the college premises itself. Thus the workshop concluded with the message clearly delivered to the participants to have better human relationship skills, communication skills and technical skills to get the work done by co-ordinating with all sectors of the process in concern.



Robotics Workshop 2017

Organized by IEEE BVM Students Chapter

At BVM Engineering College - 13th and 14th September 2017



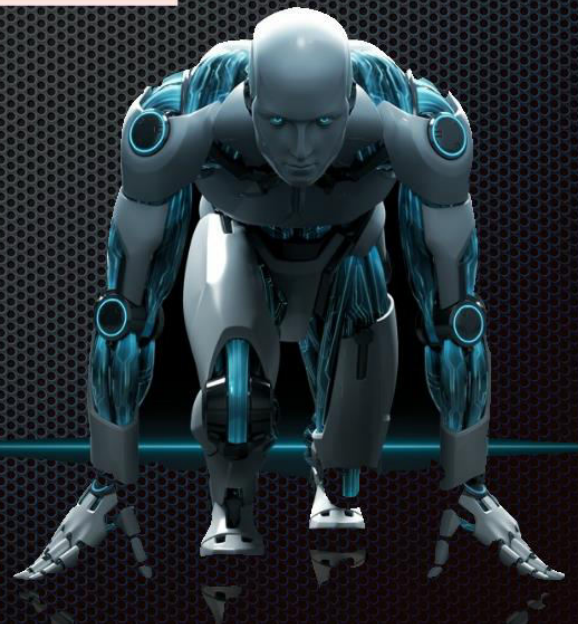
Birla Vishwakarma Mahavidyalaya
Engineering College



Members Electrical

Organises

Robotics Workshop



Workshop

Workshop

Workshop

IEEE ROBOTICS WORKSHOP 2017 REPORT

Robotics

Details about Workshop

Subject: - Introduction to Robotics and Arduino.

How it will be useful to students: - There is considerable anecdotal evidence that students respond well in subjects involving programming of robots. Programming can be too abstract. By having to control a physical robot and seeing what goes wrong, students learn what robots can and can't do. They also learned the need for precise instructions. There's no doubt that there will be a need for people to be involved in programming mechanical devices in the foreseeable future. By programming robots, students can discover if they have aptitude and interest in a job market of the future.

What skills will be developed:- Programming Skill will be developed. They will read data from board, on sensor and social network.

Branch: - Electrical, Electronics, Electronics and Communication, Mechanical.

Year: - 1st Year

Date: - 13th and 14th September 2017

Time: - 8:30 am to 10:30 am IST

Venue: - A 216, A Block, BVM Engineering College.

Total Entries: - 79



Introduction

A 2-days workshop on Introduction to Robotics and Arduino coding for the students of 1st level undergraduates was organized on 13th and 14th September 2017 under the banner of IEEE BVM Students Chapter at Birla Vishwakarma Mahavidyalaya.

This workshop comprises of giving the participating students an idea about Robots, Robotics, Types of Robots and their applications, Career in Robotics, Introduction to Arduino, Introduction to Bluetooth RC Car, live demo of building Bluetooth RC car, test running this car, doubt clarification session, last notes and conclusion.

Abstract

The present contribution report initiative of IEEE BVM Student Branch involving students in creative activities that builds motivation for their future engineering studies. The IEEE Student Branch at Birla Vishwakarma Mahavidyalaya has always attempted to put more emphasis on hands-on learning and training for fellow students through various workshops and training sessions. As a part of such activity, workshop session on basics of robots and robotics are being conducted for the last 2 years. Participation has been from a wide range of backgrounds, from different streams and different undergraduate levels. Initial aim of the workshop sessions was to motivate students in design, estimation, fabrication and testing their own ideas of basic controlled robots. During the course of events in last couple of years several interesting findings could be identified. It is felt that in order to perform well in their workplace, as well as to be responsible citizens, students are required to not only develop mastery of a particular subject, but civic, social, interpersonal and workplace skills as well. In addition to reinforcing concepts from earlier and concurrent courses, such workshops can serve as a platform for exposing students to inter-disciplinary topics that appear in greater depth in later courses. Also, students mature in areas such as oral and written communication, awareness of professional ethics issues, and working effectively in a team-based setting. Mixing of students from different disciplines and different grades greatly enhances sense of fellow feeling and team spirit. Such workshops, being conducted by students themselves, increases the sense of belongingness, inculcates maturity, sensibility, leadership qualities among the organizing students.

Day 1 of Workshop

On 13th September 2017, Electrical department of BVM conducted the 1st day workshop on “Introduction to Robotics.” Workshop was conducted by three 2nd Year Students of Electrical Engineering BVM. First Devansh Parikh talked about IEEE and its activities conducted in our college and presented a keynote on “Introduction to Robots and Robotics”; Second Dhruval Raj, presented keynote on “Introduction to Arduino and its IDE”; lastly Helly Gondalia, presented simple applications of Arduino on LED and its coding. The example comprises of “S.O.S Morse Code” and “Traffic light Signals” using LED and Arduino coding. Around 75 students from 1st Level Electrical, Electronics, Electronics and Communication and Mechanical branch took part in this workshop.

In the first session students got familiar with the term Robot, how to identify whether a machine is a Robot or an autonomous bot, Robotics, Aspects of Robotics, philosophy of AI (Artificial Intelligence), Brief on Machine Learning and types of Robots. Informative videos from Boston Dynamics were shown to students.

In the next part a brief introduction to Arduino was given 1st Year students. They got familiar with various development boards of Arduino and learnt the development environment for Arduino. Working with Arduino I/ O pin was taught and functions of various embedded components were explained. Later simple application of Arduino like blinking LED and its coding was explained.

In the last part of the session, more applications of Arduino were explained and showed. Applications included “S.O.S Morse code” using simple LED and Arduino coding; “Traffic Light Signaling” using LED and Arduino coding.

In the meantime students were free to ask any questions regarding the domain if they had any doubt about any topics explained. Students without any hesitation asked questions and after hearing answers from our presenters they were satisfied.

Overall student learnt the basics of working with Arduino and gained basic knowledge of various Arduino development boards; Programming environment; onboard features of Arduino Uno.



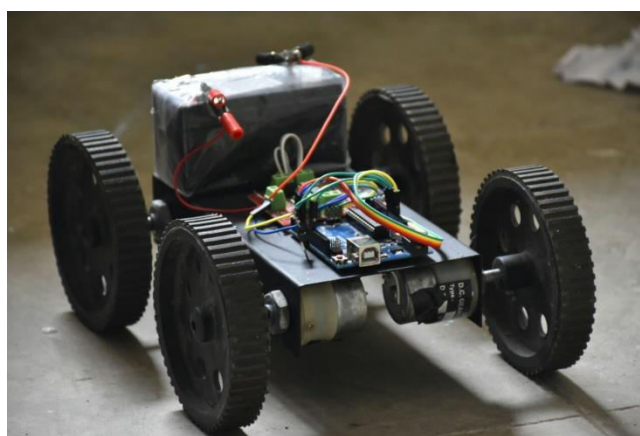
Day 2 of Workshop

Next day on 14th September 2017, 2nd day of the Workshop was on “Bluetooth Controlled RC Car” using Arduino UNO and Bluetooth Module HC -05 was presented by Neel Shah of 2nd Year Electrical. All the basics of the car like its analogous design to our daily life using navigation systems was shown pictorially to 1st Year students to get a basic idea of the functions of different components used in running the RC car. Details about the components used were probably along with their functions and why they were used.

Then in next session live demo of making the “Bluetooth Controlled RC Car” was presented and done by Harsh Patel and Yash Rana of 2nd Year Electrical. They explained the wiring of motor drivers L293D to Arduino and motors of RC car chassis. All the doubts of students were cleared by on the spot questioning and answering. In the end the RC car got finished wiring and coding in Arduino. Then the operation of this RC car was done in front of students and it worked really well. All the students were amazed by looking at the way this RC car was being controlled by Bluetooth through a mobile phone. Even chance was given to 1st year students to control this RC car on their own and they enjoyed that experience a lot.

In the end the scenario about robotics in India was discussed by Devansh. He gave a great speech on the needs that are required to be implemented in a College curriculum for the development of skills in students who want to pursue robotics as a career. Reasons about why Robotics development is lacking behind in India was also discussed. 1st Year students understood the needs and were thoroughly motivated to make a change in the system. They were also given task to find out the everyday problems that a robot can easily rectify.

Feedback from the students was collected and it suggested that they welcomed this initiative and they are motivated to explore more dimension in this platform also they are willing to do projects, research work and developing robots for competitions in future.





Birla Vishvakarma Mahavidyalaya Engineering College (IEEE Student Branch)

INDUSTRIAL VISIT TO

Sonic Technologies and Metro Electronics

23rd September 2017
AHMEDABAD, GUJARAT

INDUSTRY PROFILE:

Company: Sonic Technology

Type: Private

Specializations: PCB Design and Marketing

Founded: 2001

**Headquarters: Rd Number 6, GIDC Electronic Estate, Sector 25,
Gandhinagar, Gujarat**

Key people: R. Sudheendra(Senior Quality Manager)

Website: <http://www.sonictechindia.com>

ABOUT Sonic Tech:

Sonic Technology, began operations in 2001 in a 58,000 Sq. Ft. facility. Today we are a multi-facility manufacturer of single sided, double sided and multilayer (up to 10 layers) Printed Circuit Boards. And with locations in Gandhinagar, Gujarat, India, and Gandhinagar, INDIA, we occupy more than 200,000 square feet and have the capability to support “quick turn” prototypes (24 hour to 10 day) with standard production lead-times of 3 weeks.

Partnering, service, and long-term customer / supplier relationships are sometimes overused “buzzwords” in today’s business environment. We are committed at all levels to providing customer service that exceeds our customers’ expectations. Accurate information and timely communication are the keys. The business philosophy that is to be strictly adhered to is quick response. Our custom / proprietary MRP software system efficiently tracks customer orders from entry to shipping through our bar coding system and scanning procedures. Our customers and sales representatives can access, via file servers, our MRP system to get an accurate open order status at any time. Quotations are submitted directly from our computers, to our customers’ computers, via email in Adobe® PDF format. Open 24 hours a day, nearly 365 days a year, we are poised to provide our customers truly “world class” service and satisfaction.

ABOUT INDUSTRIAL VISIT UNDER IEEE BRANCH CHAPTER :

The industrial visit to Sonic Tech was conducted on 23rd September 2017. We departed at 7:30 AM from BVM College in the CVM bus. There were 45 students (2nd Year) with two faculty members Prof. Darshan C Dalwadi (Head of IEEE Branch) and Prof. Kaushal Patel who also provided support regarding this industrial visit as an IEEE branch activity.



The bus reached Gandhinagar at around 10 AM . The students were given a small intro on PCB design at the Sonic Tech industry.



The Sonic Technology manufactures a vast variety of PCBs. The generic process for a PCB design is as follows:

- Front End Planning
- Phototools and Inspection using automated optical inspection system
- Cleaning
- Lamination and Drilling
- Electroless copper deposition
- Pattern plating
- Strip and etching
- Solder mask and legend
- Hot air solder levelling
- Microsectioning and fabrication
- Final inspection and shipping



All these processes were explained and demonstrated in front of the students.



Around 1 PM there was a Q&A session with the industrial experts. The students interacted clearing their doubts and queries about the PCB designing and the processes related to it. Experts also shared their valuable knowledge and experience with us giving some wonderful advice which helped students and teachers to look beyond the conventional education and provided a quick insight on the future technology. All the students were greatly satisfied by the hospitality, knowledge and inspiration provided by Sonic Tech to BVM students. Students were then headed to another industry Metro Ltd which does the same PCB design and marketing but on a low scale.

METRO ELECTRONICS LTD :

Metro Electronics is one of the A to Z solution for Printed Circuit Boards for the Design and supply, of Single Side, Double Side, and Multilayer PCBs. The technically and professionally developed Metro Electronics, can provide the fastest services of Designing from Schematic to Layout, Sample to Layout, by latest designing technology. Industry manufacturing and trading of a comprehensive array of MC PCB, LED PCB, PTH PCB, Circuit Board, Printed Circuit Board and Metal Core Based PCB.

Nature of Business :Manufacturer

Additional Business

1. Trader
2. Service Provider

Registered Address : Plot No. E- 70, 1st Floor, Electronics Estate,
GIDC, Sector- 26, Gandhinagar - 382 028,
Gujarat, India

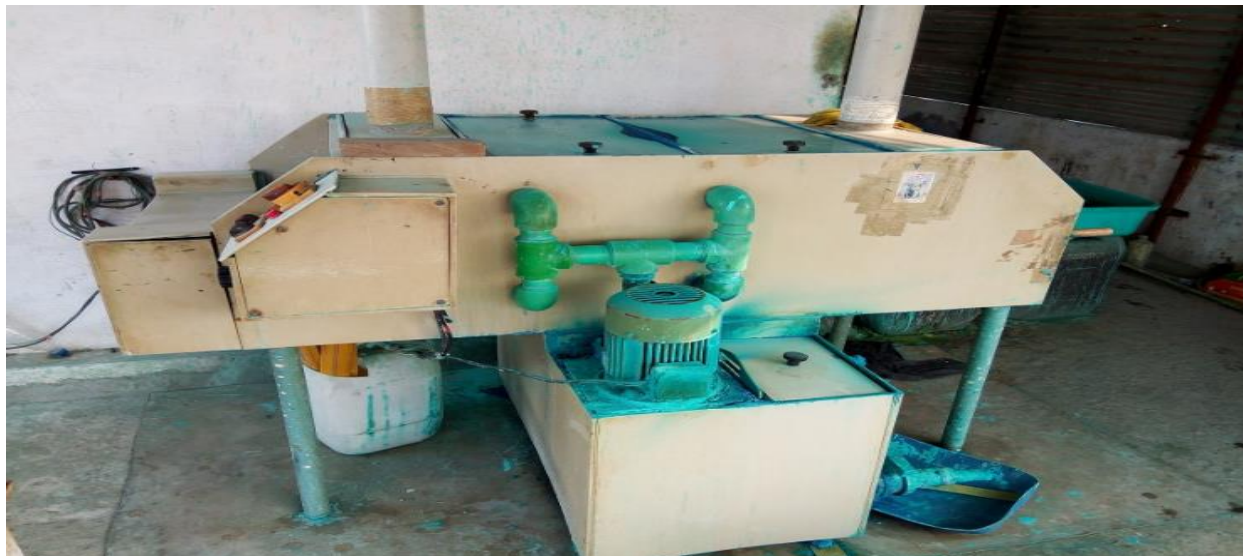
Total Number of Employees : 11 to 25 People

This is a small industry as compared to the former one that we visited but provides us with more knowledge, experience and beneficial outcome.

We reached Metro Electronics by 3 PM and then we were introduced to the industry and their perspectives by the industrial experts. Being a small industry there were less number of occupants but the insight the students got was excellent. Some of the students even got to try some processes like cutting,etc.



Metro Electronics are specialized in Metal core PCB. They use some of the technology different from the former industry that we visited but they provide students in a more depth knowledge resource. For example their driller, etching process, etc.



Present Capacity:

1200 sq. mt. of single, Double-sided & Multi-layer PCB's per month

Future Expansion:

The plant is established to achieve additional equipments to increase the production capacity up to 2400 sq. mt. of Single, Double-sided & Multi-layer PCB's per month.

Supply capacity:

Prototype within 3 - 6 working days. Medium & Large volume with 3-4 weeks delivery.

Technical Specifications for the PCBs:

Minimum track width	6 mils
Minimum track spacing	6 mils
Minimum plated hole size (Finished)	12 mils
Maximum single sided board size	24 X 12
Maximum double sided & multi-layer board size	23 X 18
Maximum Copper Thickness	4 oz\sq.ft
SMD Testing	20 mil pitch

STUDENT'S FEEDBACK AND CONCLUSION:

Educational Industrial visit to Sonic Technology and Metro Electronics Gandhinagar, Gujarat.

Both the site staff as well as guiding staff was very supportive to all the students

We know that this visit will help us in our future practical and corporate life and brought a positive change in our thinking and practical behaviour regarding education and specially Engineering.

We, the Students of BVM Electronics and Communication Engineering are extremely thankful to

- Honourable Principal of BVM: Dr. IN Patel
- HOD (ET): Prof. Bhargav Goradiya
- Staff coordinators: Prof. Darshan Dalwadi
Prof. Kaushal Patel
- Student coordinators: Drupad Pandya
Shaivil Patel
Chinmay Raval
Yogesh Iyer
- EC Engineering Department

We hope that this type of knowledge and experience enhancing industrial visits are organized in the future again, we are thankful for it.



**A Report
On
Workshop of**



“Utilization of Scientific Calculator”

On

18/11/2017

Sponsored by

(IEEE Student Chapter, Gujarat Section)

Organized at

EC Department

BVM Engineering College

(Affiliated to Gujarat Technological University)

(An Autonomous CVM Institution)

• **Summary Table**

Title of the workshop:	Utilization Of Scientific Calculator		
Name and Designation of Experts:	Name		Designation
	Prof. Ronak Vashi		Asst. Professor
Organization and Department of Experts:	Sr.No	Organization Name	Department
		BVM Engineering College	EC
Contact Information of Experts:	Sr.No	Contact No	Email Id
	1	9426724335	ronak.vashi@bvmengineering.ac.in
Name of Principal of the Institute:	Dr. Indrajit Patel		
Department Name of the Institute:	Electronics and Communication		
Name of Head of the Department:	Dr. B. C. Goradiya		
Year/Semester of the Students	First year EC students		
Specific Subject under which Seminar organized:	Calculations		
Professional body under which seminar organized:	Prof. Darshan C. Dalwadi, IEEE Student Chapter, Gujarat Section		
Date and Time of Seminar:	Date: 18/11/2017 Time: 09:00 PM to 11:00 PM		
Venue Name:	B-Block Hall, BVM Boys New Hostel		
No of Days for Seminar/workshop:	01		
Staff Coordinator's Name:	1	Prof. Darshan Dalwadi	
	2	Prof. Ronak Vashi	
Contact Information of Staff:	No	Contact No:	Email Id:
	1	9426478026	darshan.dalwadi@bvmengineering.ac.in
	2	9426724335	ronak.vashi@bvmengineering.ac.in
Total No of Students:	60		

IEEE STUDENT BRANCH
CONDUCTED ONE DAY WORKSHOP
On
“UTILIZATION OF SCIENTIFIC CALCULATOR”
EC Department-BVM Engineering College
November 18, 2017

Introduction:

The Department of Electronics and Communication of BVM Engineering College, Vallabh Vidyanagar organized a one-day expert workshop on ‘Utilization of Scientific Calculator’ IEEE student branch on November 18, 2017.

The purpose of this workshop was to get benefit from shared knowledge about Using a scientific calculator can be extremely helpful but only if you know its particular conventions. While there are different types out, there many of the features are the same. In this workshop more than 60 students of 1st year EC students participate. It was not possible to cover all possible calculator functions in short duration of time. Still, an attempt has been made to explain many of the functions which are commonly used by engineering students.

Objectives:

The objectives in mounting this expert lecturer are threefold:

1. Awareness the importance of effectively use scientific calculator with different function.
2. To solve the complex mathematical functions and equations with effective time.
3. Hands –on- practice on CASIO-991 MS.

Interactive Hands On:

The Hands on session was delivered in class room F-305. This session was continued around two hours. Prof. Ronak Vashi, EC Department BVM, lead the participants to different mathematical functions on CASIO-991 MS. A fairly large number of graded questions have been included. This workshop covers a number of topics, such as basic calculations and hierarchy of operations, Scientific calculators generally have many more features than a standard four or five-functions of a simple calculator, and the feature set differs between manufacturers and models; however, the defining features of a scientific calculator include in this workshop are

- scientific notation
- floating point arithmetic

- logarithmic functions, using both base 10 and base e
- trigonometric functions (some including hyperbolic trigonometry)
- exponential functions and roots beyond the square root
- quick access to constants such as pi and e

In addition, high-end scientific calculators generally include:

- cursor controls to edit equations and view previous calculations
- hexadecimal, binary, and octal calculations, including basic Boolean math
- complex numbers
- fractions calculations
- statistics and probability calculations
- programmability — see Programmable calculator
- equation solving
- matrix calculations
- calculus
- letters that can be used for spelling words or including variables into an equation
- conversion of units
- physical constants

All the participants actively participated in this event, which includes the Hands on session. They all interacted and exchanged their views with the experts, which makes the program successful.



**A Report
On
Expert Talk of**



“Advanced Mobile Programming & AI”

On

Date: 20/01/2017

Sponsored by

(IEEE Student Chapter, Gujarat Section)

Organized at

EC Department

BVM Engineering College

(Affiliated to Gujarat Technological University)

(An Autonomous CVM Institution)

• **Summary Table**

Title of the seminar/workshop/Expert talk:	Advanced Mobile Programming & AI (Artificial Intelligence)		
Name and Designation of Experts:	Sr.No	Name	Designation
	1	Mr. Kashif Abbasi	Director
	2	Er. Yash Patel	Asst. Technical Consultant
	3	Er. Azaz Memon	Sales Executive
Organization and Department of Experts:	Sr.No	Organization Name	Department
	1	Streebo Solution Ltd.	Streebo Academy
	2	Streebo Solution Ltd.	Streebo Academy
	3	Streebo Solution Ltd.	Streebo Academy
Contact Information of Experts:	Sr.No	Contact No	Email Id
	1	+91 7211142224	kashif.abbasi@streebo.com
	2	+91 8511829891	Yash.patel@streebo.com
	3	+91 9925074758	azaz.memon@streebo.com
Name of Principal of the Institute:	Dr. Indrajit Patel		
Department Name of the Institute:	Electronics & Communication		
Name of Head of the Department:	Dr. Bhargav Goradiya		
Year/Semester of the Students	First, Second and Fourth Year Students		
Specific Subject under which Seminar organized:	Object Oriented Programming & Machine Learning Algorithms		
Professional body under which seminar organized:	IEEE Student Chapter, Gujarat Section		
Date and Time of Seminar:	Date: 20/01/2018 Time: 10:30 AM to 02:00 PM		
Venue Name:	F-304		
No of Days for Seminar/workshop:	01		
Staff Coordinator's Name:	1	Prof. Amit Choksi	
Contact Information of Staff:	No	Contact No:	Email Id:
	1	9723786348	amit.choksi@bvmengineering.ac.in
Total No of Students:	44		

- **Inauguration Function Photos**

The inauguration function of this expert talk is felicitated to Mr. Kashif Abbasi (Director, Streebo) by Dr. Bhargav Goradiya (H.O.D, EC).



- **Main group photo**





- **Brief introduction of various modules/section/process shown by Experts with some photos if available.**

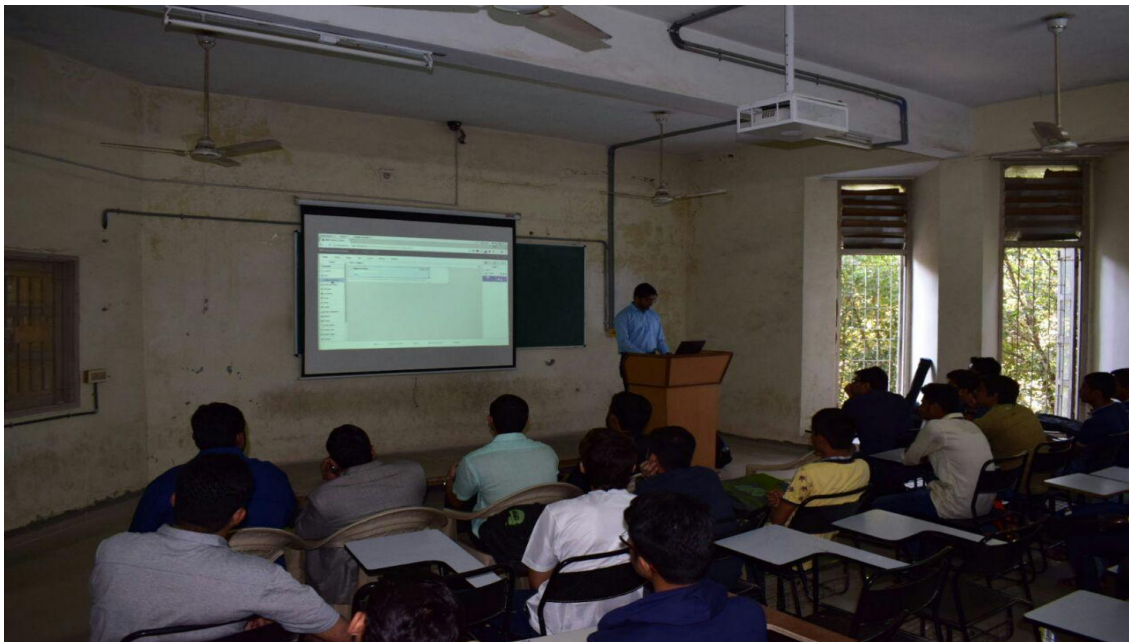
Following modules has been covered by experts from Streebo Solution Ltd.

- Angular Basics
- Type Script
- SaaS
- Cordova
- Java Script Basic
- Artificial Intelligence
- Earn while you learn program

Starting with first session was on introduction to Streebo conducted by Mr. Kashif Abbasi. In this session they had focused on what is the goal behind objective of teaching and learning and how students should have prepared themselves in the direction of industry needs. They have also shown concept by which how students make his/her industry experience during his study.


Second, but very important technical session was covered by Mr. Yash Patel, Assistant Technical Consultant of Streebo. Mr. Yash have emphasized on “IBM FORM”, by which any one can build a “HTML page” and “Mobile Apps” without using programming. He had also built one app named “Student Leave Form” with client-server model. In that he had also focused on

use of “Angular Basics” while making mobile applications. Furthermore he had implemented above same app in Microsoft visual studio library using “Java Script, Type Script & HTML”. Then he had briefed out about “IONIC Online App Maker”, is the app platform for web developers. Using IONIC everyone can build amazing mobile, web, and desktop apps all with the help of one shared code base, open web standards, IONIC documentation and IONIC frame work. Then he gave introduction about “Google Play Store” and how to update and upgrade own mobile app in Google Play Store. At last he had shown fundamentals of Artificial Intelligence as well as Machine Learning Algorithms.




Finally, Mr. Kashif Abbasi had concluded this expert talk by explaining “Earn while you learn program” by which every student can start his/her training as well as internship with Streebo Solution Ltd.

- **Permission letter copy of Institute/Organization Body**



Advancing Technology



Work is Worship

IMG_20180122_111754775.jpg
Type: JPEG image
Size: 3.56 MB
Dimension: 3024 x 4032 pixels

To

Kashif Abbasi, Yash Patel
Streebo Solutions

Dt:20/1/18

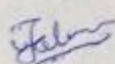
Sub: Expert talk on recent technology Mobile Programming and Artificial Intelligence

Thank you for speaking to the students of the BVM college yesterday. We are grateful for the time and effort you took to share your thoughts and experiences with the students on topic Advanced Mobile Programming and Artificial Intelligence.


Since we are entering a new growth phase on our campus, your comments were very timely. I believe we can benefit immediately from the methods you suggested for recruiting more members. Your enthusiasm is contagious, and we hope to use your suggestions in our next campaign. Thank you again for your contribution.

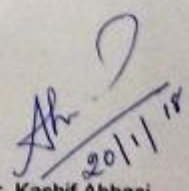
We hope to see you soon again.

Thanking You


Darshan Dalwadi
IEEE Branch counsellor

A honorarium of Rs 3000/- has been received by:


Mr. Yash Patel
Streebo Solutions


Mr. Kashif Abbasi
Streebo Solutions

• Confirmation letter copy of the Expert



Amit Choksi <amit.choksi@bvmengineering.ac.in>

Regarding Visit/Workshop/Training @ Your Premises

4 messages

Amit Choksi <amit.choksi@bvmengineering.ac.in>
To: kashif.abbasi@streebo.com

Thu, Jan 4, 2018 at 1:34 PM

Respected Kashif Sir...

Very nice greetings from BVM & Happy New Year !!!!!

Sir as we have discussed earlier I would like to interact following important sessions as below:

1) I would like to arrange one industrial visit @ streebo house for third and final year students in the month of February 2018. (Most preferable day is Saturday if it is possible).

2) Sir, I also want to arrange two days workshop in next couple of months, which covers following topics: i) Advance Program in Mobile Application ii) Advance Program in Artificial Intelligence. Audience will be students as well as faculties.

3) With the same purpose we will also require one meeting of streebo academic with our students for career guidance. We would also like to bring our students for training as part of final year project at your premises, for that we can make MoU for above mentioned actions.

Sir, Let me know your convenience for above discussion, so that we can implement above sessions fruitfully.

Looking forward to your kind response.

Thanks.



Kashif Uddin Ahmed Abbasi via streebo1.onmicrosoft.com
to me ▾

Jan 11 (11 days ago) ☆

Dear Prof. Amit Choksi

Trust you are doing great.

We appreciate your support and trust with us, and I thank you for your invitation for students interaction. We can arrange a session on 20 Jan 2018 we will reach there by 10.30 am.

This time we will demonstrate the similar content that we had run through at Teachers session, surely we will start from the basics. We can also share the training / learn and earn program with your students.

Regards,
Kashif Abbasi
Director



www.academy.streebo.com
Streebo Solutions Pvt. Ltd.
A-503, Siddhi Vinayak Tower,
Off S.G. Highway, Makarba,
Ahmedabad, India - 380051
M- +91 7211142224
O - +91 79 6617 0880

Kashif Uddin Ahmed Abbasi <kashif.abbasi@streebo.com>
To: Amit Choksi <amit.choksi@bvmengineering.ac.in>

Tue, Jan 16, 2018 at 6:27 PM

Dear Amit Ji

We would take the session on Ionic which includes the below:

- Angular Basics
- Type Script
- SaaS
- Cordova
- Java Script Basic

- List of the students registered for the seminar/workshop/expert talk

Name of Students coordinator: Mr. Shaivil Patel (Mo. 94266 02896)

ATTENDANCE		
EC Department		
EXPERT TALK ON MOBILE PROGRAMMING AND ARTIFICIAL INTELLIGENCE		
DATE : 20/1/2018		
Enrollment Number	Full Name	Sign
140080111037	Misal M. Patel	Misal
140080111040	Pragya Sahu	Rahm
140080111042	Medha N. Shah	Medha
140080111012	Abhishek Boudhakatti	AB
140080111021	Arunpad Pandya	Arunpad
160080111017	Scooter Grandhiya	Scooter
160080111063	Parmar Maheshkati	Parmar
160080111006	ATCHAYA D. NADAR	ATCHAYA
160080111028	Dhiman R. Agrawal	Dhiman
160080111020	Pandeyee Neha	Pandeyee
160080111024	Baham Joshi	Baham
160080111002	Abhishek Pattanai	Abhishek
170080111001	Samarth Bural	Samarth
160080111026	Urvish Kosta	Urvish
160080111054	Intosh Sheth	Intosh
160080111051	Ricardo Macwan	Ricardo
160080111012	Devesh	Devesh
160080111025	Varunaj Khistamanga	Varunaj
160080111035	odedra Prakash	odedra
160080111030	Hemky Makwana	Hemky
160080111031	Simran Malhotra	Simran
160080111052	Shakti Jain	Shakti
160080111059	Shruti Jain	Shruti
160080111057	Shreya Jaisania	Shreya
1700701110057	Yukti Patel	Yukti
1700701110039	Anjali Nayar	Anjali
1700701110070	Vinay Salanki	Vinay
1700701110018	Sakshi Chauhan	Sakshi
170070109045	Srushti Patel	Srushti
170070109072	Pinal Gubil	Pinal
170070109049	Pragna Rathava	Pragna
170070109066	Niyati Smart	Niyati
160080111002	Pandeyee Neha	Pandeyee
160080111044	Kanishk Patel	Kanishk
160080111014	Jay Gadhwani	Jay
160080111034	Aditya Nair	Aditya
160080111012	Devesh	Devesh
160070109050	Dhruval Faj	Dhruval
160070109053	Neel Chaitesh Shah	Neel
160080111039	Dhruvin Patilgama	Dhruvin
160080111055	Parth Cheth	Parth
160080111007	Avi Patel	Avi
160080111060	Jay Sthar	Jay
160080111019	Adar Hiran	Adar

- **Valedictory Function Photos**

In Valedictory Function, On behalf of BVM Engineering College, Prof. Amit Choksi had shared vote of thanks to all experts; Mr. Kashif Abbasi, Mr. Yash Patel and Mr. Azaz Memon (Streebo Solution Ltd.)



- Media Coverage

બિરલા વિશ્વકર્મા મહાવિદ્યાલય ખાતે વિવિધ ઈજનેરી શાખા દ્વારા એક્ષપર્ટ લેક્ચર્સનું આયોજન



આણંદ, તા. ૨૭

ચારૂતર વિદ્યામંડળ સંચાલિત બિરલા વિશ્વકર્મા મહાવિદ્યાલય ખાતે વિવિધ ઈજનેરી શાખા દ્વારા એક્ષપર્ટ લેક્ચર્સનું આયોજન કરવામાં આવ્યું હતું. જેમાં

ઇલેક્ટ્રોનિક્સ અન્ડ કમ્યુનિકેશન એન્જિ. દ્વારા 'એડવાન્સ પ્રોગ્રામીંગ ઈન મોબાઇલ એપ્લિકેશન' પર સ્ટ્રીબો એકેડેમીના પ્રતિનિધિ તથા કાસીફ અબ્બાસી વિદ્યાર્થીઓને જ્ઞાન પૂરું પાડ્યું હતું. સિવિલ

એન્જિ. દ્વારા 'અરપાટ પવનન્ટ ડિઝાઇન યુર્સીંગ ફારફીલ સોફ્ટવેર' વિષય પર એક્ષપર્ટ ટોક તથા દ્વિતીય વર્ષના સિવિલ એન્જિ.ના વિદ્યાર્થીઓ માટે ગેટ એક્ઝામીનેશન સેમિનાર રાખવામાં આવ્યો હતો.

પ્રોડક્શન એન્જિ. દ્વારા દ્વિતીય વર્ષના વિદ્યાર્થીઓ માટે 'થ્રીડી CAD મોડેલીંગ'

વિષય પર એક્ષપર્ટ લેક્ચરનું આયોજન કરવામાં આવ્યું હતું. કોમ્પ્યુટર એન્જિ. દ્વારા 'આઈઓટી એપ્લિકેશન ઈન સ્માર્ટ મોનીટરીંગ ઓફ હેલ્થકેર એન્ડ કાર' વિષય પર ઈ-ઈન્ફોચીપ દ્વારા એક્ષપર્ટ લેક્ચરનું આયોજન થયું હતું. સ્ટ્રક્ચર એન્જિ. દ્વારા 'શ્રીજ સ્ટ્રક્ચર' વિષય પર નીરવભાઈ દ્વારા એક્ષપર્ટ લેક્ચર આપવામાં આવ્યું હતું.

ઈલેક્ટ્રીકલ એન્જિ. દ્વારા આઈએસટીઈ અને (ટીઈક્યુઆઈપી-૩) અંતર્ગત 'ટેકનોલોજી એન્ડ એમ્પેક્ટ ઓફ પીએમયુ એન્ડ ડબલ્યુએએમએસ' વિષય પર તથા 'પાવર સિસ્ટમ એન્ડ ડિઝાઇન ઓફ ઈએચવી સબ સ્ટેશન' પર એક્ષપર્ટ લેક્ચરનું આયોજન કરવામાં આવ્યું હતું. આ પ્રસંગે સંસ્થાના પ્રિન્સિપાલ ડૉ. ઈન્દ્રજીત એન. પટેલે દરેક ડિપાર્ટમેન્ટને આયોજન બદલ અભિનંદન પાઠવ્યા હતાં.

- Students feedback

STUDENT FEEDBACK

Electronics and communication department of BVM Engineering college has conducted an expert talk on "Advance Mobile programming and Artificial Intelligence" by STREEBO SOLUTION Ltd. Which is held on 20 January, 2018 under IEEE. The expert talk was started with the introduction of company and was continued by the leading employee of streebo ltd Mr.Yash Patel. The session was very interesting and helpful for us and also for our future. We all request you to conduct another session on different topic.

THANK YOU.

List of students who attended the session

1. Dhvani Agrawal	<u>Dhvan</u>	26. Urvish Kosta	<u>Urvish</u>
2. Atchaya Nadar	<u>Atchaya</u>	27. AVI PATEL	<u>AVI</u>
3. Sakshi Jain	<u>Sakshi</u>		
4. Shruti Jain	<u>Shruti</u>		
5. Shreya Jarsania	<u>Shreya</u>		
6. Simran Malhotra	<u>Simran</u>		
7. Maheshwari Parmar	<u>Maheshwari</u>		
8. Sweta Gondaliya	<u>Sweta</u>		
9. Inderjeet Sehra	<u>Inderjeet</u>		
10. Soham Joshi	<u>Soham</u>		
11. Harry	<u>Harry</u>		
12. Ricardo	<u>Ricardo</u>		
13. Samarth Bansal	<u>Samarth</u>		
14. Lav Hinsu	<u>Lav</u>		
15. Abhishek Pattnaik	<u>Abhishek</u>		
16. Devesh Bhadauria	<u>Devesh</u>		
17. Jay Suthar	<u>Jay</u>		
18. Kaiwalya Patil	<u>Kaiwalya</u>		
19. Aditya Nair	<u>Aditya</u>		
20. Jay Gadhavi	<u>Jay</u>		
21. Prakash Odeda	<u>Prakash</u>		
22. Dhruvin Pansare	<u>Dhruvin</u>		
23. Varun Khisti	<u>Varun</u>		
24. Porth Sheth	<u>Porth</u>		
25. Jinksh Shah	<u>Jinksh</u>	26.	

Prof. Amit Choksi

(Event Coordinator)

Dr. Bhargav Goradiya

(H.O.D, EC)

The End



**A Report
On
Workshop of**



“Advanced C Programming”

From

03/02/2018 to 09/02/2018

Sponsored by

(IEEE Student Chapter, Gujarat Section)

Organized at

BVM Boys New Hostel

BVM Engineering College

(Affiliated to Gujarat Technological University)

(An Autonomous CVM Institution)

• **Summary Table**

Title of the workshop:	Advanced C Programming		
Name and Designation of Experts:	Name		Designation
	Prof. Amit Choksi		Asst. Professor
Organization and Department of Experts:	Sr.No	Organization Name	Department
		BVM Engineering College	EC
Contact Information of Experts:	Sr.No	Contact No	Email Id
	1	+91 9723786348	amit.choksi@bvmengineering.ac.in
Name of Principal of the Institute:	Dr. Indrajit Patel		
Department Name of the Institute:	Rector, New Hostel		
Name of Head of the Department:	Dr. A.K.Verma		
Year/Semester of the Students	All Engineering Branch		
Specific Subject under which Seminar organized:	Computer Programming		
Professional body under which seminar organized:	Prof. Darshan C. Dalwadi, IEEE Student Chapter, Gujarat Section		
Date and Time of Seminar:	Date: 03/02/2018 to 09/02/2018 Time: 09:00 PM to 11:00 PM		
Venue Name:	B-Block Hall, BVM Boys New Hostel		
No of Days for Seminar/workshop:	07		
Staff Coordinator's Name:	1	Prof. Amit Choksi	
	2	Prof. Ronak Vashi	
	3	Prof. Darshan Dalwadi	
Contact Information of Staff:	No	Contact No:	Email Id:
	1	9723786348	amit.choksi@bvmengineering.ac.in
	2	9426724335	ronak.vashi@bvmengineering.ac.in
	3	9426478026	darshan.dalwadi@bvmengineering.ac.in
Total No of Students:	38		

- **Inauguration Function Photos**

The inauguration function of this expert talk is felicitated to Prof. Amit Choksi by Dr. N.G.Misra (Rector, BVM Hostel).



- **Introduction of various modules/section/process covered by Expert.**

Following modules has been covered by experts from Streebo Solution Ltd.

- Virtual Box
- Linux Ubuntu
- Introduction to C Language
- Entry Controlled Loops
- Exit Controlled Loops
- Functions
- Hands on sessions of Interview Questions



- | Name of Student | ID-No. | Contact No. | Amount paid | Day-1 | Day-2 | Day-3 | Day-4 | Day-5 | Day-6 | Day-7 |
|------------------|---------|-------------|-------------|-------|-------|-------|-------|-------|-------|-------|
| Hasan Jadhwal | 16CE307 | 9624468310 | 50 | | | | | | | |
| Shyam Kanariya | 16EL063 | 9662582972 | 50 | | | | | | | |
| Meet Modi | 16EL038 | 7778983794 | 50 | | | | | | | |
| Ankur Varma | 16EL201 | 9089982863 | 50 | | | | | | | |
| Pratik Oza | 16PE308 | 9722700282 | 50 | | | | | | | |
| Harsh Pithadia | 16EE304 | 8866596020 | 50 | | | | | | | |
| Ajay Patel | 16EE303 | 8866366694 | 50 | | | | | | | |
| Fardeen Khan | 16IT431 | 7069567007 | 50 | | | | | | | |
| Jaydeep Tank | 16EE309 | 7435013186 | 50 | | | | | | | |
| Mukesh Thakrani | 16PE302 | 7405633315 | 50 | | | | | | | |
| Milan Jadav | 16PE306 | 8849340894 | 50 | | | | | | | |
| Utsav Fuletra | 16EL035 | 9601029955 | 50 | | | | | | | |
| Himanshu Thacker | 17IT428 | 8877778908 | 50 | | | | | | | |
| Munish Tutoo | 17IT751 | 7780995167 | 50 | | | | | | | |
| Parv Desai | 17IT434 | 9426934025 | 50 | | | | | | | |
| Kushal Tanna | 17IT421 | 9624095063 | 50 | | | | | | | |
| Sumit Malviya | 17ME420 | 9265167600 | 50 | | | | | | | |
| Jainam Parikh | 17IT467 | 8460309701 | 50 | | | | | | | |
| Dhruvin Narola | 17IT468 | 7778928000 | 50 | | | | | | | |
| Parth Shah | 17IT407 | 7383250846 | 50 | | | | | | | |
| Mohit Devpura | 17EE012 | 9558070761 | 50 | | | | | | | |
| Parth Surati | 17IT439 | 9664704330 | 50 | | | | | | | |
| Akshay Patel | 17IT455 | 9925583606 | 50 | | | | | | | |
| Jay Kania | 17IT414 | 9537003277 | 50 | | | | | | | |
| Rutvik Shukla | 17CE013 | 9773440550 | 50 | | | | | | | |
| Purven Dudhaiya | 16CP028 | 8460149155 | 50 | | | | | | | |
| Kanav Bharamwar | 14EL099 | 9510533165 | 50 | | | | | | | |
| Parthiv Arora | 17EE201 | 8153858947 | 50 | | | | | | | |
| Prachal Vyas | 16ME322 | 8987974299 | 50 | | | | | | | |
| Rishabh Bhavik | 16EE315 | 7567766917 | 50 | | | | | | | |
| Total | | | 1300 | | | | | | | |
| Jay Koradiya | 17CP052 | 84030394 | 50 | | | | | | | |
| Dhruv Varna | 17CP058 | 8511908335 | 50 | | | | | | | |
| Rishabh Bhavik | 17CP045 | 7000 | 1600 | | | | | | | |

- **Valedictory Function Photos**

In Valedictory Function, On behalf of BVM Engineering College, Prof. Ronak Vashi had shared vote of thanks to expert, Prof. Amit Choksi, hostel rector /superintend and also thanks to students volunteers Mr. Ankur Verma and Mr. Pratik Oza. Special thanks to Ptof. Darshan Dawadi, to sponsor this workshop under the banner of IEEE student chapter. Students are highly appreciated the workshop and the command of the topic of expert, also wish this type of activities are arranged regular based in hostel premises.



Prof. Amit Choksi Prof. Darshan Dalwadi Prof. Ronak Vashi Dr. A.K.Verma
(Event Coordinator) (Coordinator/IEEE Counselor) (Event Coordinator) (Hostel Rector)

*****The End*****



**A Report
On
Workshop of**



“Introduction To Python”

From

05/02/2018 to 10/02/2018

Sponsored by

(IEEE Student Chapter, Gujarat Section)

Organized at

F-Block

BVM Engineering College

(Affiliated to Gujarat Technological University)

(An Autonomous CVM Institution)

• **Summary Table**

Title of the workshop:	Introduction To Python		
Name and Designation of Experts:	Name		Designation
	Shyam Joshi		
	Khilan Pandya		
Organization and Department of Experts:	Sr.No	Organization Name	Department
	1	BVM Engineering College	EC
Contact Information of Experts:	Sr.No	Contact No	Email Id
	1	+91 9825613449	sj.joshi99@gmail.com
	2	+91 7046169023	khilanpandya@gmail.com
Name of Principal of the Institute:	Dr. Indrajit Patel		
Department Name of the Institute:	F-Block, BVM Engg. College		
Name of Head of the Department:	Dr. Bhargav .C. Goradiya		
Year/Semester of the Students	1 st Year EC		
Specific Subject under which Seminar organized:	Computer Programming		
Professional body under which seminar organized:	Prof. Darshan Dalwadi, IEEE Student Chapter, Gujarat Section		
Date and Time of Seminar:	Date: 05/02/2018 to 10/02/2018 Time: 09:00 AM to 11:00 AM		
Venue Name:	F-Block Seminar Hall, BVM Engg. College		
No of Days for Seminar/workshop:	06		
Staff Coordinator's Name:	1	Prof. Darshan Dalwadi	
Contact Information of Staff:	No	Contact No:	Email Id:
	1	9426478026	darshan.dalwadi@bvmengineering.ac.in
Total No of Students:	34		

Objective: To understand the data structures, algorithm and programming using python.

**Expected Outcome: To able to programming using python language
To improve the programming skills and algorithm**

- **Introduction of various modules/section/process covered by Expert.**

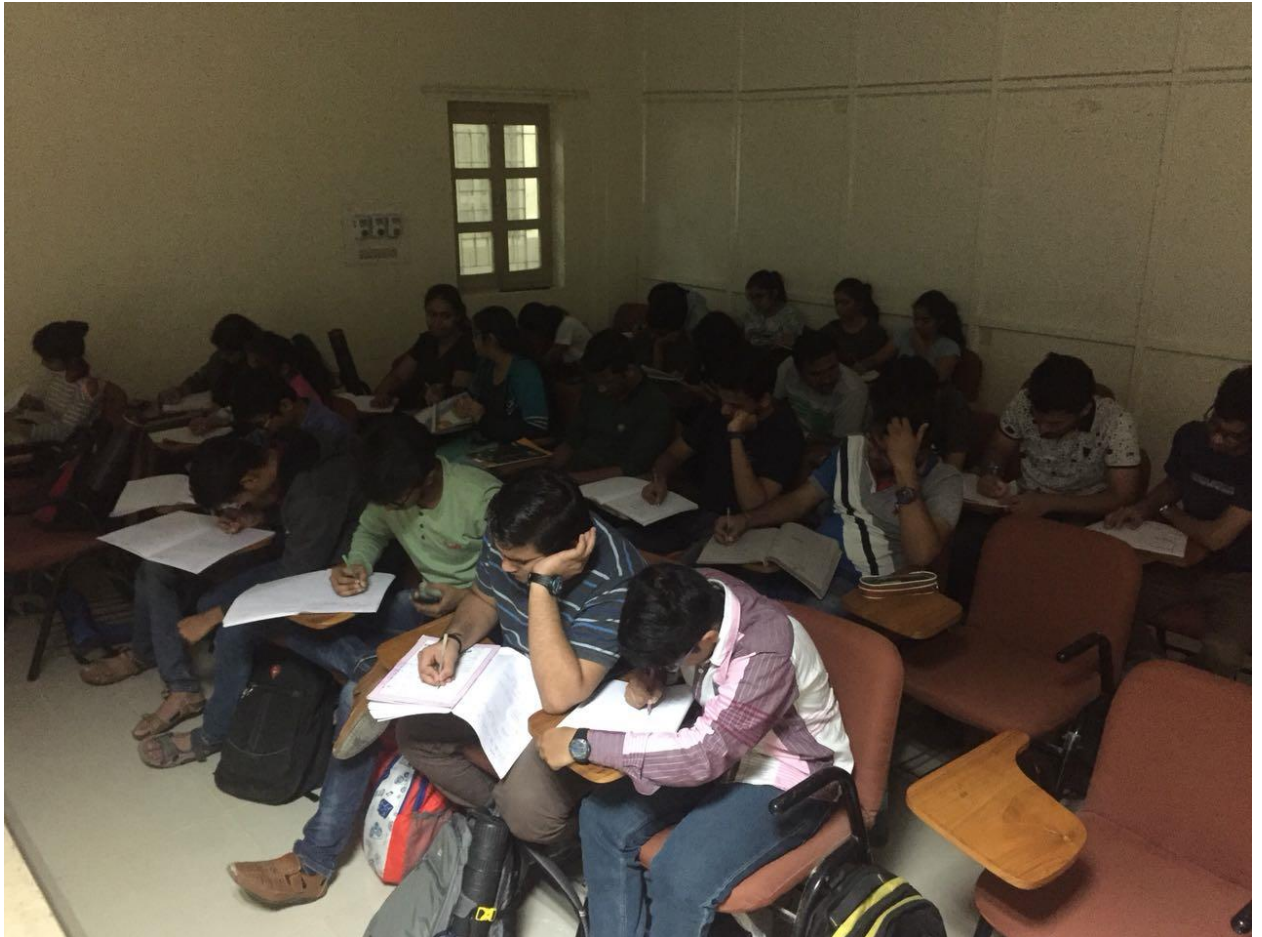
Following modules has been covered by experts

- Introduction to Python language (Data structures and manipulation)
- Applications of Python language (Raspberry pi projects, scripting language examples etc)
- Concept of mutable and immutable
- String, List, Tuples, Dictionary indexing and accessing.
- Conditional execution statements.
- Loops
- Functions and extractions.
- Quiz
- Programming test

- List of the students registered for the workshop

Sr No	ID No	Name	5/2/18	6/2/18	7/2/18
1	17EC001	Neel Madhwan	✓	✓	✓
2	17EC002	Vatsal	✓	✓	✓
3	17EC003	Sakshi Mehta	✓	✓	✓
4	17EC006	Vaibhav Goel	✓	✓	✓
5	17EC009	Yagnik Mehta	✓	✓	✓
6	17EC011	Dhvani Trivedi	✓	✓	✓
7	17EC013	Ronak		✓	✓
8	17EC014	Juna Fabio			
9	17EC017	Rudrax Dave	✓	✓	✓
10	17EC020	Neha Dave	✓	✓	✓
11	17EC021	Rutrik Patel	✓	✓	✓
12	17EC022	Jay Ghiya	✓	✓	
13	17EC024	Deepansh Jaiswal			
14	17EC025	Shreyans Patel			
15	17EC027	Neshwari Sharma	✓	✓	✓
16	17EC033	Raveena Vala			
17	17EC037	Vatsa Dave	✓	✓	✓
18	17EC038	Rohit Shah	✓	✓	✓
19	17EC039	Aziz Suterwala	✓	✓	✓
20	17EC040	Poonam Lalwani	✓	✓	✓
21	17EC044	Ragni Shukla	✓	✓	✓
22	17EC045	Kavya Desai	✓	✓	✓
23	17EC047	Udit Khichi	✓	✓	✓
24	17EC049	Gaurav Kangoriya	✓	✓	✓
25	17EC050	Ramya Darani	✓	✓	✓
26	17EC052	Dhwani Vora	✓	✓	✓
27	17EC053	Krutarth Patel			
28	17EC055	Sanghwi Singh		✓	✓
29	17EC056	Roshni Hirani		✓	✓
30	17EC057	Durga Bapat			
31	17EC059	Niharika Pandey		✓	✓
32	17EC060	Kruti Manek		✓	✓
33	17EC063	Naman Shukla	✓	✓	✓

- **Photographs of event**





Shyam Joshi

(Event Coordinator)

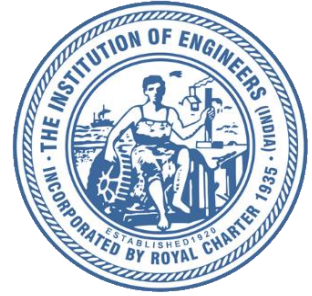
Prof. Darshan Dalwadi

(IEEE Coordinator)

Khilan Pandya

(Event Coordinator)

*****The End*****



**A Report
On
Expert Talk of
“ARDUINO AND ITS APPLICATION”**

On

Date: 26/02/2018

Sponsored by

(IEEE Student Chapter, Gujarat Section)

Organized at

EC Department

BVM Engineering College

(Affiliated to Gujarat Technological University)

(An Autonomous CVM Institution)

Summary Table

Title of the seminar/workshop/Expert talk:	ARDUINO AND ITS APPLICATION		
Name and Designation of Experts: Organization and Department of Experts: Contact Information of Experts: Name of Principal of the Institute:	Sr.No	Name	Designation
	1	Mr. Keyur Chauhan	Director & Embedded engg.
	Sr.No	Organization Name	Department
	1	Shreeji charan enterprise	Technical
	Sr.No	Contact No	Email Id
	1		
	Dr. Indrajit Patel		
Department Name of the Institute:	Electronics & Communication		
Name of Head of the Department:	Dr. Bhargav Goradiya		
Year/Semester of the Students	Second year/fourth sem		
Specific Subject under which Seminar organized:	Object Oriented Programming & Machine Learning Algorithms		
Professional body under which seminar organized:	Prof. Darshan C. Dalwadi, IEEE Student Chapter, Gujarat Section Prof. Parul H. Panchal, IE Student Chapter and TEQIP III		
Date and Time of Seminar:	Date: 26/02/2018 Time: 10:30 AM to 04:00 PM		
Venue Name:	F-104		
No of Days for Seminar/workshop:	01		
Staff Coordinator's Name:	1	Prof. Mayur Sevak	
	2	Prof. Parul Panchal	
Contact Information of Staff:	No	Contact No:	Email Id:
	1		
	2		
Total No of Students:	46		

Inauguration Function Photos

The inauguration function of this ARDUINO WORKSHOP is felicitated to Dr.Tanmay Pawar (HOD,EL Dept) by Darshan Dalwadi (EC Dept)



The inauguration function of this ARDUINO WORKSHOP is felicitated to Mr.Keyur Chauhan (director, shree charan Enterprise) by Darshan Dalwadi (EC Dept)



Main group photo





ABOUT WORKSHOP:

Starting with first session was on NEED OF INDUSTRIES conducted by Mr. Keyur Chauhan. In this session they had focused on what is the goal behind objective of teaching and learning and how students should have prepared themselves in the direction of industry needs. They have also shown concept by which how students make his/her industry experience during his study.

In next session the emphasis is on the introduction of Arduino. He focused basically on the most fundamental Arduino concept. He told about different versions of Arduino, gave brief ideas about different libraries used in Arduino. Then he explained about Arduino Uno, its uses and show some important features of UNO.

In final session he gave about practical implementation of Arduino Uno. He gave idea about the generation of code, after generating code he gave info how to generate Hex code. Then he gave idea about **Proteus simulation tool**. Then he gave idea how to interface different components to the Arduino Uno on Proteus. And then how to upload Hex CODE on Arduino Uno and finally the complete implementation was done with the help of Arduino code and Proteus.

List of the students registered for the seminar/workshop/expert talk

Name of Students coordinator: Mr. Kartik Modi (Mo. 7405733578)

Sr. No.	Name	Email	ID No	Phone number	Branch	Sign
1	Parth Sheth	parthdsheth9199@gmail.com	16ET412	7359239365	EC	Parth
2	Simran Malhotra	simranmalhotra207@yahoo.com	16ET406	9408053047	EC	Simran
3	Adit vaidya	aditvaidya80@gmail.com	16ET404	8866209975	EC	Adit
4	Ashish Dubey	ashish.dubey.9005@gmail.com	16ET447	9726009495	EC	Ashish
5	Kartik maheshbhai modi	kartikmodi38@gmail.com	16et438	7405733578	EC	Kartik
6	Rahul Chhichhia	rahulchhichhia@gmail.com	16EL004	9429588232	Electronics	Rahul
7	Thakkar Priya Jayeshkumar	thakkarpriya205@gmail.com	16EL026	8849437614	Electronics	Priya
8	Ankur Varma	sashivarma58@gmail.com	16EL201	9089982863	Electronics	Ankur
9	Nikunj Rathod	nknj.rathod@gmail.com	16EL068	9979418432	Electronics	Nikunj
10	Bhoomi Mistry	bhoomi.mistry10@gmail.com	16EL008	8469401490	Electronics	Bhoomi
11	Krushni modi	krushimodi98@gmail.com	16EL027	7227944484	Electronics	Krushni
12	Ritupriya nandy	ritupriyanandy@gmail.com	16el022	8758867032	Electronics	Ritupriya
13	Suthar bharat	sutharbharat27799@gmail.com	16el023	9428076693	Electronics	Suthar
14	Neol Solanki	neolsolanki@gmail.com	16EL018	7487002467	Electronics	Neol
15	Darshil baladhiya	darshilbaladhiya@gmail.com	16el025	7048507927	Electronics	Darshil
16	Akshar Patel	akshar6058@gmail.com	16ET440	9327932117	EC	Akshar
17	Jay Gadhavi	jay48gadhavi@gmail.com	16ET425	9725027726	EC	Jay
18	Viny Selopal	viny0698@gmail.com	16EL048	8140438097	Electronics	Viny
19	Vankar Dhruvika Suresh Bhai	vankardhruvi.123@gmail.com	16EL012	9925105258	Electronics	Vankar
20	Saloni Gajjar	saloni.gajjar@gmail.com	16EL014	9586934969	Electronics	Saloni
21	Ricardo Macwan	ricardomacwan@gmail.com	16ET458	7359878949	EC	Ricardo
22	Dhairya Parikh	dhairyaparikh67@gmail.com	16EL046	7622937474	Electronics	Dhairya
23	Muskan Gupta	muskangupta0998@gmail.com	16ET421	8000656014	EC	Muskan
24	Utsav Fuletra	utsavfuletra@gmail.com	16EL035	9601029955	Electronics	Utsav
25	Upasana Chatterjee	upasana1498@gmail.com	16ET433	9512520052	EC	Upasana
26	Mitul Ghor	mitulghori987@gmail.com	16EL034	9974809756	Electronics	Mitul
27	Mrudang Oza	mrudangoza24@gmail.com	16ET409	8469990274	EC	Mrudang
28	Shikhar Maheshwari	shikhar10000@live.com	16et415	8000398090	EC	Shikhar
29	Aditya Nair	adityanair11121997@gmail.com	16ET416	8347249311	EC	Aditya
30	Kaiwalya Patil	kaiwalyaptl@gmail.com	16ET430	7874412113	EC	Kaiwalya

61) Saundarya Jain
62) Sweta Gondalija
63) Kesta Muneish

jainsaundarya22@gmail.com 16ET403 7490083692 EC
swetagondalija1368@gmail.com 16ET452 Sweta
kestaunish1998@gmail.com 16ET450 9662172763

Sr. No.	Name	Email	Id No	Phone number	Branch	Sign
31	Devesh Bhadauria	bhadauriadevesh3@gmail.com	16et431	9408621713	EC	
32	Shikhar Maheshwari	shikhar10000@live.com	16et415	8000398090	EC	
33	Banthia punita	jainpunita9@gmail.com	17ec601	9726062544	EC	
34	Shreya jarsania	shreyajarsania8@gmail.com	16ET414	9662011073	EC	
35	Ram Thakkar	thakkarram.7096@gmail.com	16EL029	7096319053	Electronics	
36	Sakshi Jain	sjain.sakshi545@gmail.com	16ET410	9904200967	EC	
37	Shruti Jain	jainshruti1259@gmail.com	16ET411	9558407078	EC	
38	Aarya Brahmane	aaryabrahmane@gmail.com	16e943	8401775423	Electronics	
39	Dhruvin Parsana	dhruvinparsana8306@gmail.com	16ET429	9427515142	EC	
40	Lav Hinsu	hinsulav105@gmail.com	16ET408	9824390810	EC	
41	Herry	herry.makawana@gmail.com	16ET466	9099327757	EC	
42	Khistareeya vanaraj lakhman	khistariyavanraj99@gmail.com	16ET462	9638418254	EC	
43	Saralita Nair	saralit1998@gmail.com	16EL007	7016233939	Electronics	
44	Gautam Vivekanandan	gautamv0511@gmail.com	16ET417	8758192989	EC	
45	Odedra Prakash	odedraprakash723@gmail.com	16ET460	9737600682	EC	
46	Vatsal K. Patel	vatsalpatel2121@gmail.com	15PE004	8401554220	EC	
47	Vatsal K. Patel	vatsalpatel2121@gmail.com	15PE004	8401554220	OTHERS	
48	Akash mistry	akashmistry76@gmail.com	15pe008	9409214565	OTHERS	
49	Patel Yash Kamleshbhai	yash.patel.yash111@gmail.com	15PE016	8155038900	Production	
50	Rathod Bhavik g	dannyjiv143@gmail.com	16EE015	7567765997	Electrical	
51	Rajiv Vasava	vasavrajiv257@gmail.com	15ME096	9726641594	OTHERS	
52	Krina Sheth	25krisha@gmail.com	17EL315	7383611645	Electronics	
53	Naimal Patel	Naimalpatel6499@gmail.com	16ET413	9974314504	EC	
54	Aayush Patel	aayushpatel18@yahoo.com	16ET26	9739008311	EC	
55	Patel meet	meet88623@gmail.com	16ET419	9904786911	EC	
56	Anvi Patel	anvipatel2013@gmail.com	16ET401	9408081160	EC	
57	Badal Patel	Badalpatel151197@gmail.com	15ET002	7383148203	EC	
58	Junish Shah	Junishshah15@gmail.com	16ET449	9409402209	EC	
59	Akash Sachan	narreshakashsachan@gmail.com	16ET468	700852823	EC	
60	Abhishek Pertanik	narreshakashsachan3@gmail.com	16ET450		EC	

- Valedictory Function

In Valedictory Function, On behalf of BVM Engineering College, Prof. Mayur Sevak had shared vote of thanks to experts Mr. Keyur Chauhan (director, shreeji charan enterprise)

Prof. Mayur Sevak
(Event Coordinator)

Dr. Bhargav Goradiya.
(HOD , EC DEPT)

*****The End****



Birla Vishvakarma Mahavidyalaya

Engineering College

(IEEE Student Branch)

INDUSTRIAL VISIT TO



E-Infochips

9th March 2018

AHMEDABAD, GUJARAT

INDUSTRY PROFILE:

Company Name : E-Infochips

Type : Private

Specializations : Product Engineering and Semiconductor design services

Founded : 1994

Headquarters : Ahmedabad , Gujarat

Key People : Pratul Shroff (CEO)

Website : www.einfochips.com

ABOUT E-Infochip:

E-Infochips, an Arrow company, is a leading global provider of product engineering and semiconductor design services. With over 500+ products developed and 40M deployments in 140 countries, E-Infochips continues to fuel technological innovations in multiple verticals. The company's service offerings include digital transformation and connected IoT solutions across various cloud platforms, including AWS and Azure.

Along with Arrow's \$27B in revenues, 19,000 employees, and 345 locations serving over 80 countries, E-Infochips is primed to accelerate connected products innovation for 150,000+ global clients. E-Infochips acts as a catalyst to Arrow's Sensor-to-Sunset initiative and offers complete edge-to-cloud capabilities for its clients through Arrow Connect.

The company provides a range of products and services spanning multiple industries including semiconductors , aerospace and defense, medical devices , robotics , industrial automation , e-commerce , automotive infotainment , video surveillance and connected homes.

The company has developed its niche for several product companies and hi-tech firms such as Qualcomm, Toshiba , Kroger , Texas Instruments , Safran ,Rockwell Collins , etc to name a few.

ABOUT INDUSTRIAL VISIT UNDER IEEE BRANCH CHAPTER :

The industrial visit to E-Infochips was conducted on 9th March 2018. We departed at 7:30 in the morning from the BVM College in the CVM bus. There were 44 students (2nd Year) along with two faculty members Prof. Amit Choksi (EC Dept) and Prof. Ronak Vashi (EC Dept) who had supported this industrial visit .



The bus reached Ahmedabad at around 10 am and the students were provided with refreshments to cheer up the upcoming visit.

At around 10:30 am the first session of General Introduction and the Briefing about the companies work was given by two of their Engineers.



They made us aware about ASIC- Application Specific Integrated Chips that they work on and provide the necessary steps to design and verify the same functionality. The overall design flow about ASIC and DFT- Design for Testability was conducted by 12pm.

Around 1 pm a tour to their room of works was held where they had a setup of some sample models and some videos regarding their work with some well known companies like Kroger, Safran , Rockwell and Collins ,etc in the field of aerospace and defense, home automation, IoT, ASIC , Medical devices, video surveillance and much more.



The last session of the tour the question and answer session took place at 2 pm where students wonderfully asked many questions and cleared all their queries about the industry platform.



At the end our two faculties were given away a memento of memory by E-Infochips.



STUDENT'S FEEDBACK AND CONCLUSION:

Both the site staff as well as guiding staff was very supportive to all the students. We know that this visit will help us in our future practical and corporate life and brought a positive change in our thinking and practical behaviour regarding education and specially Engineering.

We, the Students of BVM Electronics and Communication Engineering are extremely thankful to

- **Honorable Principal of BVM:** Dr. I.N. Patel
- **HOD (EC Dept.) :** Dr. Bhargav Goradiya
- **Staff Coordinators :** Prof. Amit Choksi
Prof. Ronak Vashi
- **IEEE Coordinator :** Prof. Darshan Dalwadi
- **IEEE Student Coordinators :** Drupad Pandya
Shaivil Patel
Yogesh Iyer
Chinmay Raval

- **EC Engineering Department**

We hope that this type of knowledge and experience enhancing industrial visits are organized in the future again and we are thankful for it.

STUDENT'S ATTENDANCE LIST:

Sr No	Name	ID No.	Gender	Contact Number	Parents Contact Number	Email Id
1	Badal Patel	15ET002	Male	7383148203	9925254277	badalhpatel151197@gmail.com
2	Avi Patel	16ET401	Male	9409081160	8238059723	avipatel2013@gmail.com
3	Saudarya Jain	16ET403	Female	7490033692	7600695809	jainsaudarya22@gmail.com
4	Adit Vaidya	16ET404	Male	8866209975	9825594927	aditvaidya80@gmail.com
5	Simran Malhotra	16ET406	Female	9408053047	9429124445	simranmalhotra207@yahoo.com
6	Lav Hinsu	16ET408	Male	9824390810	9825537051	hinsulav105@gmail.com
7	Mrudang Oza	16ET409	Male	8469990274	9409076437	mrudangoza24@gmail.com
8	Sakshi Jain	16ET410	Female	9904200967	9904203112	sjain.sakshi545@gmail.com
9	Shruti jain	16ET411	Female	9558407078	9996016304	jainshruti1259@gmail.com
10	Parth Sheth	16ET412	Male	7359239365	9714038661	parthdsheth9199@gmail.com
11	Nirmal Patel	16ET413	Male	9974314504	9429146060	nirmalpatel6499@gmail.com
12	Shreya jarsania	16ET414	Female	9662011073	7600790396	shreyajarsania8@gmail.com
13	Shikhar Maheshwari	16ET415	Male	8000398090	9377748762	shikhar10000@live.com
14	Aditya Nair	16ET416	Male	8347249311	8861380983	adityanair11121997@gmail.com
15	Gautam Vivekanandan	16ET417	Male	8758192989	9408955101	gautamv0511@gmail.com
16	Aniket Adak	16ET418	Male	8780552358	9825983459	aniketadak148@gmail.com
17	Meet Patel	16ET419	Male	9904784911	9835987803	meet88623@gmail.com
18	Muskan Gupta	16ET421	Female	8000656014	9825806739	muskangupta0998@gmail.com
19	Jal Joshi	16ET422	Male	9016821661	9428342818	jaljoshi36@gmail.com
20	Jay Gadhavi	16ET425	Male	9725027726	9428488776	jay48gadhavi@gmail.com
21	Aayush patel	16ET426	Male	9737008311	9537370418	aayush9619@gmail.com
22	Rushabh Mangukiya	16ET427	Male	8000925538	9879986081	rushabhmangukiya@gmail.com
23	Jenish Radadiya	16ET428	Male	8866517259	9374553569	jenishradadiya80031@gmail.com
24	Dhruvin Parsana	16ET429	Male	9427515142	9624966971	dhruvinparsana8306@gmail.com
25	Devesh Bhadauria	16ET431	Male	9408621713	9426074156	bhadauriadevesh3@gmail.com
26	Upasana Chatterjee	16ET433	Female	9512520052	9328374106	upasana1498@gmail.com
27	Jain Dharmik	16ET436	Male	9104645348	7984122146	dharmikshah1999@gmail.com
28	kartik maheshbhai modi	16ET438	Male	7405733578	9824785207	kartikmodi38@gmail.com
29	Akshar Patel	16ET440	Male	9327932117	7600164500	akshar6058@gmail.com
30	Atchaya D. Nadar	16ET444	Female	7819001199	8000068488	akshaya.nadar111@gmail.com
31	Ashish Dubey	16ET447	Male	9726009495	9909219159	ashish.dubey.9005@gmail.com
32	Jinish Shah	16ET449	Male	9409402209	9428076130	jinishshah15@gmail.com
33	Abhishek Pattanaik	16ET451	Male	8469822358	7202964899	pattanaik_abhishek@yahoo.co.in
34	Sweta Gondaliya	16ET452	Female	8155804643	9978881213	swetagondaliya1368@gmail.com
35	Soham joshi	16ET455	Male	9825173355	9825756060	jsoham592@gmail.com
36	Inderjeet Singh sehra	16ET456	Male	9824268094	9427074406	inderjeetsehra81@gmail.com

37	Dhwani Agrawal	16ET457	Female	9104330026	9427664979	dhwanira123@gmail.com
38	Ricardo Macwan	16ET458	Male	7359878949	9924385989	ricardomacwan@gmail.com
39	Odedra Prakash	16ET460	Male	9737600682	9724715009	odedraprakash723@gmail.com
40	Khistareeya vanaraj lakhaman	16ET462	Male	9638418254	9726114697	khistariyavanraj99@gmail.com
41	Herry Makawana	16ET466	Male	9099327757	9825099986	herrymakawana@gmail.com
42	Banthia punita	17EC601	Female	9726062544	9327983184	jainpunita9@gmail.com
43	Samarth bansal	17EC701	Male	9687430669	9687910148	samarthbansal15@gmail.com
44	Maheshvari Parmar	16ET469	Female	7046093078	9904829366	maheshvari83@gmail.com

IEEE STUDENT BRANCH
BIRLA VISHVAKARMA MAHAVIDYALAYA ENGINEERING COLLEGE
EVENT DETAILS ACADEMIC YEAR APRIL 2018 TO MARCH 2019
BRANCH COUNSELOR: DR. DARSHAN C. DALWADI

Sr. No.	Event Title	Event Date	Number of Participants	Sponsored Agency	Name of Experts & Coordinator
1	Workshop on Signal and Systems using MATLAB	21-07-18	23	–	Dr. Darshan C. Dalwadi, Prof. Amit H. Choksi
2	One day workshop on Introduction to Microwind	27-07-18	44	–	Dr. Darshan C. Dalwadi, Prof. Robinson Paul
3	Expert Lecture on Generator Protection	15-09-18	50	–	Prof. Oza, Dr. R. P. Mehta, Dr. Darshan C. Dalwadi
4	CircuitMania Event	15-09-18	45	–	Prof. G. B. Rathod, Prof. Palak K. Patel, Prof. Ronak R. Vashi
5	One day workshop on VHDL Programming	26-09-18	54	–	Prof. Robinson Paul, Prof. Palak K. Patel
6	Industrial Visit to Electronica India, At Bangalore International Exhibition Centre, Bangalore	27/09/2018 To 29/09/2018	44	–	Prof. Anish A. Vahora, Prof. Ronak R. Vashi
7	IEEE Technical Visit to IIT Bombay	13/12/2018 To 17/12/2018	86	TEQIP III + CVM	Dr. Darshan C. Dalwadi
8	Expert Lecture on Organic Electronics & its Applications	08-01-19	42	–	Dr. Darshan C. Dalwadi, Prof. Mayur M. Sevak
9	Expert Talk on Machine Learning and its interview preparation	19-01-19	43	–	Mr. Keval Dave (Factset Hyderabad), Dr. Darshan Dalwadi, Prof. Robinson Paul
10	IEEE Visit to Campus Radio Station, Vallabh Vidyanagar	15-02-19	15	–	Dr. Darshan C. Dalwadi, Prof. Mayur M. Sevak
11	IEEE Visit to Einfochip, Ahmedabad	18-02-19	48	–	Prof. Robinson Paul, Prof. Amit H. Choksi
12	IEEE Visit to BSNL Telecomm Exchange, Vithal Udyognagar	23-02-19	20	–	Dr. Darshan C. Dalwadi, Prof. Kaushal R. Patel
13	Two days Skill Development Program on Industrial Automation and Control	01/03/2019 to 02/03/2019	54	TEQIP III	Mr. Kiran, Mr. Kevin (HiMek PVT LTD), Prof. Dipan Parikh, Dr. Darshan C. Dalwadi



**A Report
On
Workshop of**



“Signals and Systems using MATLAB”

On

21/07/2018

Organized at

BVM Engineering College

(Affiliated to Gujarat Technological University)

(An Autonomous CVM Institution)

- **Summary Table**

Title of the workshop:	Signals and Systems using MATLAB		
Name and Designation of Experts:	Name	Designation	
	Mr. Darshan C Dalwadi	IEEE Branch Counsellor, BVM Engg College	
	Mr. Amit H Choksi	Professor (EC Dept.), BVM Engg College	
Organization and Department of Experts:	Sr.No	Organization Name	Department
	1	BVM Engineering College	Electronics and Communication
Contact Information of Experts:	Sr.No	Contact No	Email Id
	1	9426478026	darshan.dalwadi@bvmengineering.ac.in
	2	9723786348	amit.choksi@bvmengineering.ac.in
Name of Principal of the Institute:	Dr. Indrajit Patel		
Department Name of the Institute:	Electronics and Communication		
Name of Head of the Department:	Dr. Bhargav C Goradiya		
Year/Semester of the Students	2 nd and 3 rd Year EC Students		
Specific Subject under which Seminar organized:	MATLAB		
Professional body under which seminar organized:	Prof. Darshan Dalwadi, IEEE Student Chapter, Gujarat Section		

Date and Time of Seminar:	Date: 21/07/2018 Time: 08:30 AM to 12:00 PM		
Venue Name:	Computer Lab , F-Block, BVM Engg College, Vallabh Vidyanagar		
No of Days for Seminar/workshop:	01		
Staff Coordinator's Name:	1	Prof. Darshan C Dalwadi	
	2	Prof. Amit H Choksi	
Contact Information of Staff:	No	Contact No:	Email Id:
	1	9426478026	darshan.dalwadi@bvmengineering.ac.in
	2	9723786348	amit.choksi@bvmengineering.ac.in
Total No of Students:	20		

Objective: To understand basic knowledge about MATLAB

Expected Outcome: To build a strong base in MATLAB

**To improve the knowledge about signals and systems they work in.
To understand the knowledge leading to its applications**

- **Workshop Photos**

The event started at around 8:30 am under the presence of IEEE BVM Student Branch Counsellor Prof. Darshan C Dalwadi, Faculty Of Electronics and Communication Department and our Prof.Amit H Choksi.



- **Introduction of various modules/section/process covered by Expert**

The following topics were discussed on the first day :

- ❖ Introduction to MATLAB
- ❖ Difference between various kinds of signals
- ❖ Checking out the graphs of different signals
- ❖ Creating waveforms of different signals
- ❖ Laplace Transforms and Inverse Laplace Transform examples
- ❖ Control System Applications using MATLAB
- ❖ Block Diagram Reduction using Simulink of MATLAB
- ❖ Stability check of a transfer function
- ❖ Root Locus Plot of a transfer function
- ❖ Bodeplot of a transfer function
- ❖ Nyquist plot of a transfer function

In all the workshop was very informative, many of student's doubts were cleared and they got a deeper understanding through hands on experiences of MATLAB



- **Valedictory Workshop Photos**



At the closing ceremony of the event Prof. Amit H Choksi, Professor Of Electronics and Communication Department, BVM gave the vast usage of MATLAB in industrial use. All the participants were thoroughly surprised and elated by seeing this kind of demonstration live in front of them. This show cased a wide range of possibilities in front of them.

Prof. Darshan C Dalwadi

(IEEE Branch Counsellor)

Prof. Amit H Choksi

(Professor EC Dept.)

*****The End*****

• Attendance Sheet

ATTENDANCE SHEET SNS- USING MATLAB

	Full name	Id no.	Attendance
1	Lav Hinsu	16ET408	<u>Lav</u>
2	Vanaraj Khistareeya	16ET462	<u>Vanaraj</u>
3	Atchaya D. Nadar	16ET444	<u>Atchaya</u>
4	Nisarg kirankumar amin	17ec454	<u>Nisarg</u>
5	Kruti Kamdar	17EC412	<u>Kruti</u>
6	Harsh Saraiya	17Ec408	
7	Dhwani Trivedi	17EC411	
8	Harsh Modi	17EC404	
9	HARSHKUMAR NAVADIYA	17EC410	
10	Deep Sakhiya	17EC405	
11	Saundarya Jain	16ET403	
12	Parmar Maheshvarikunvarba	16ET469	<u>Parmar</u>
13	Abhishek Pattanaik	16ET451	<u>Abhishek</u>
14	urvish kosta	16ET450	<u>urvish</u>
15	vatsal shah	17EC402	<u>V.V. shah</u>
16	Gopal ukani	17EC418	
17	Adit vaidya	16et404	<u>Adit</u>
18	Sweta Gondaliya	16ET452	<u>Sweta</u>
19	Sakshi Jain	16ET410	<u>Sakshi</u>
20	Ashish Dubey	16ET447	
21	Aayush patel	16ET426	<u>Aayush</u>
22	Meet patel	16ET419	<u>Meet</u>
23	Nirmal patel	16ET413	<u>W.m. Patel</u>
24	Dhwani Agrawal	16ET457	<u>Dhwani</u>
25	Banthia punita	17ec601	
26	Krina sheth	17el	
27	Parth Sheth	16ET412	<u>Parth</u>
28	Jinksh shah	16ET449	<u>Jinksh</u>
29	Avi Patel	16ET401	<u>Avi</u>
30	Henry Makawana	16ET466	<u>Henry</u>
31	Simran Malhotra	16ET406	<u>Simran</u>
32	Shreya Jassania	16ET414	<u>Shreya</u>



**A Report
On
Workshop of**



**“Introduction to Microwind 3.1
and its applications ”**

**On
27/07/2018**

**Organized at
BVM Engineering College
(Affiliated to Gujarat Technological University)
(An Autonomous CVM Institution)**

- **Summary Table**

Title of the workshop:	Introduction to Microwind 3.1 and its applications		
Name and Designation of Experts:	Name		Designation
	Prof. Robinson Paul		Professor (EC Dept.), BVM Engg College
Organization and Department of Experts:	Sr.No	Organization Name	Department
	1	BVM Engineering College	Electronics and Communication
Contact Information of Experts:	Sr.No	Contact No	Email Id
	1	9998002086	robinson.paul@bvmengineering.ac.in
Name of Principal of the Institute:	Dr. Indrajit Patel		
Department Name of the Institute:	Electronics and Communication		
Name of Head of the Department:	Dr. Bhargav C Goradiya		
Year/Semester of the Students	3 rd Year EC Students		
Specific Subject under which Seminar organized:	VLSI Designing (Microwind 3.1)		
Professional body under which seminar organized:	Dr. Darshan Dalwadi, IEEE Student Chapter, Gujarat Section		
Date and Time of Seminar:	Date: 27/07/2018 Time: 10:00 AM to 12:00 PM		
Venue Name:	H-Block, BVM Engg College, Vallabh Vidyanagar		

No of Days for Seminar/workshop:	01		
Staff Coordinator's Name:	1	Dr. Darshan C Dalwadi	
	2	Prof. Robinson Paul	
Contact Information of Staff:	No	Contact No:	Email Id:
	1	9426478026	darshan.dalwadi@bvmengineering.ac.in
	2	9998002086	robinson.paul@bvmengineering.ac.in
Total No of Students:	45		

Objective: To understand basic knowledge about Microwind and its applications

**Expected Outcome: To build a strong base in Microwind
To improve the knowledge about p-MOS and n-MOS derived systems.
To understand the knowledge leading to its applications**

- **Workshop Photos**

The event started at around 10:00 am under the presence of IEEE BVM Student Branch Counsellor Prof. Darshan C Dalwadi, Faculty Of Electronics and Communication Department and our Prof. Robinson Paul.



- **Introduction of various modules/section/process covered by Expert**

The following topics were discussed on the first day :

- ❖ Introduction to Microwind
- ❖ Difference between n-MOS and p-MOS
- ❖ Learning about Lambda rule
- ❖ Creating p-MOS and n-MOS
- ❖ Creating inverter using CMOS
- ❖ Creating AND , OR gates using CMOS
- ❖ Creating NAND and NOR gates using CMOS
- ❖ Troubleshooting in Microwind
- ❖ Creating Verilog files using DSCH
- ❖ Implementing the Verilog files in Microwind

In all the workshop was very informative, many of student's doubts were cleared and they got a deeper understanding through hands on experiences of Microwind



- **Valedictory Workshop Photos**



At the closing ceremony of the event Prof. Robinson Paul, Professor Of Electronics and Communication Department, BVM gave the vast usage of Microwind in industrial prospect. All the participants were thoroughly surprised and elated by seeing this kind of demonstration live in front of them. This show cased a wide range of possibilities in front of them.

Dr. Darshan C Dalwadi

(IEEE Branch Counsellor)

Prof. Robinson Paul

(Professor EC Dept.)

Birla Vishvakarma Mahavidyalaya
Engineering College (An Autonomous Institute)
Electronics and Communication Department
Activity Form

☒ Student Activity ☐ Faculty Activity

☐ Seminar ☒ Workshop ☐ STTP
☐ Industrial Visit ☐ Expert Lecture ☐ Others

If Others: _____

1. Name of Faculty Coordinator: Robinson P Paul (As a Expert)
2. Designation: Assistant Professor
3. Title of the Program: Introduction to Microwind & Its application
4. Date: 27/07/18
5. Venue: H-Block
6. No of Days / Timing: 01, 10-11 am.
7. Mode of Travel if outside: —
8. Professional Body/Society if involved: IEEE
9. Targeted Audience: ☐ 1st year ☐ 2nd year ☒ 3rd year ☐ 4th year ☐ others _____
10. Type of program: ☒ Subject ☐ Pedagogy ☐ Leadership ☐ Others _____
11. Strongly recommended/recommended / not recommended: Recommended

12. Objective:

Signature:

[Signature]
Faculty Coordinator

[Signature]
IEEE Coordinator

[Signature] 24/7/18
Head of Department

After Completion of Program:

13. Activity Done: ☒ Yes ☐ No
14. No. of Participants: 45
15. Attendance sheet
Hard copy received date: 27/7/18
Soft copy received date: 27/7/18
16. Report of Activity (With 2 to 3 good Photographs) (mention objectives and outcome)
Hard copy received date: 29/7/18
Soft copy received date: 29/7/18

COMPETITION ON
CIRCUIT-O-MANIA

Organized at

BVM Engineering College

(Affiliated to Gujarat Technological University)

(An Autonomous CVM Institution)



Summary Table

Title of the workshop:	A Competition on Circuit-O-Mania		
Name and Designation of Experts:	Name	Designation	
	Dr. Darshan Dalwadi	IEEE Branch Coordinator, BVM Engg College	
	Professor Palak Patel	Professor (EC Dept.), BVM Engg College	
	Professor Ronak Vashi	Professor (EC Dept.), BVM Engg College	
Organization and Department of Experts:	Sr.No	Organization Name	Department
	1	BVM Engineering College	Electronics and Communication
Contact Information of Experts:	Sr.No	Contact No	Email Id
	1	8160833427	darshan.dalwadi@bvmengineering.ac.in
	2	9898202688	palak.patel@bvmengineering.ac.in
	3	9426724335	ronak.vashi@bvmengineering.ac.in
Name of Principal of the Institute:	Dr. Indrajit Patel		
Department Name of the Institute:	Electronics & Communication		

Name of Head of the Department:	Dr. Bhargav C. Goradiya		
Year/Semester of the Students	2 nd year students of EC		
Specific Subject under which Seminar organized:	Digital Logic Devices , Electronics Devices and Circuits		
Professional body under which seminar organized:	Prof. Darshan Dalwadi, IEEE Student Chapter, Gujarat Section		
Date and Time of Seminar:	Date: 15/09/2018 Time: 9:30AM to 11:30 AM		
Venue Name:	Computer Lab , F-Block, BVM Engg College, Vallabh Vidyanagar		
No of Days for Seminar/workshop:	01		
Staff Coordinator's Name:	1	Prof. Darshan C Dalwadi	
Contact Information of Staff:	No	Contact No:	Email Id:
	1	9898202688	palak.patel@bvmengineering.ac.in
	2	9426724335	ronak.vashi@bvmengineering.ac.in
Total No of Students:	47		

Objective: To understand basic knowledge about Digital Logic Devices and Various Electronics Devices.

Expected Outcome:

- To build a strong base in **Digital Logic Circuits and Devices**.
- To gain the Knowledge about Electronics Devices and their kind of function.
- To implement the Logics Electronics Devices.
- To design Digital circuit in the given functionality zone.

The event started at around 9:30 am under the presence of **Prof. Palak Patel, Prof. Ronak Vashi, and Dr. Darshan Dalwadi** Faculty of Electronics and Communication Department Of Birla Vishwakarma Mahavidhyalaya Vallabh Vidhyanagar. The entire event was divided into parts. The first part is of was a pen and paper based quiz in which student were eliminated based on the results. The second part had the students indulge in the practical work by cracking the code and putting it down on the logics and circuits present to make the code working.



Valedictory Workshop Photos:



Prof. Palak Patel
(Professor EC Dept)

Prof. Ronak Vashi
(Professor EC Dept)

WORKSHOP ON
VHDL PROGRAMMING

Organized at

BVM Engineering College

(Affiliated to Gujarat Technological University)

(An Autonomous CVM Institution)



IEEE BVM Student Branch

One day Workshop on VHDL Programming

IEEE BVM SB organised a hands on workshop on introduction to VHDL Programming. Main focus of the workshop was on Xilinc and Vivado software.

Date : 26/09/2018
Targeted audience : 2nd Year Students
Timing : 9:30 am to 11 am
Venue : Advance Computing Lab, F - block
Experts : Prof. Palak Patel & Prof. Robinson Paul



BVM IEEE
 
STUDENT BRANCH

Summary Table

Title of the workshop:	A Competition on Circuit-O-Mania		
Name and Designation of Experts:	Name	Designation	
	Dr. Darshan Dalwadi	IEEE Branch Coordinator, BVM Engg College	
	Professor Palak Patel	Professor (EC Dept.), BVM Engg College	
	Professor Ronak Vashi	Professor (EC Dept.), BVM Engg College	
Organization and Department of Experts:	Sr.No	Organization Name	Department
	1	BVM Engineering College	Electronics and Communication
Contact Information of Experts:	Sr.No	Contact No	Email Id
	1	9898202688	Palak.patel@bvmengineeringac.in
	2	9998002086	robinsonpaul@bvmengineeringac.in
Name of Principal of the Institute:	Dr. Indrajit Patel		
Department Name of the Institute:	Electronics & Communication		
Name of Head of the Department:	Dr. Bhargav C. Goradiya		
Year/Semester of the Students	2 nd year students of CP,IT,EL,EC		

Specific Subject under which Seminar organized:	VHDL Programming		
Professional body under which seminar organized:	Prof. Darshan Dalwadi, IEEE Student Chapter, Gujarat Section		
Date and Time of Seminar:	Date: 26/09/2018 Time: 9:30AM to 11:30 PM		
Venue Name:	Computer Lab , F-Block, BVM Engg College, Vallabh Vidyanagar		
No of Days for Seminar/workshop:	01		
Staff Coordinator's Name:	1	Prof. Darshan C Dalwadi	
Contact Information of Staff:	No	Contact No:	Email Id:
	1	9898202688	Palak.patel@bvmengineeringac.in
	2	9998002086	robinsonpaul@bvmengineeringac.in
Total No of Students:	47		

Objective: To understand basic knowledge about VHDL programming.

Expected Outcome:

- To build a strong base in **VHDL** programming.
- To gain the Knowledge about **VHDL** programming.
- To implement the **VHDL** code in **FPGA** Board.
- To design Digital circuit in **Xilinx** software using **VHDL** code.

Workshop Photos

The event started at around 9:30 am under the presence of **Prof. Palak Patel**, And **Prof. Robinson Paul**, Faculty of Electronics and Communication Department Of Birla Vishwakarma Mahavidhyalaya Vallabh Vidhyanagar. The entire event is divided into parts. The first part is of stimulation of **VHDL** code and second part is of hardware implementation. The first part is conducted by Prof. Palak Patel. The second part is conducted by Prof. Robinson Paul.





Introduction of various modules/section/process covered by Expert

The following topics were discussed on the first day :

- ❖ Introduction to **Xilinx** software.
- ❖ Introduction to **FPGA** board.
- ❖ To implement the **VHDL** code on **FPGA** board.

To stimulate and design various digital circuit using VHDL code in Xilinx Software. In all the workshop was very informative, many of student's doubts were cleared and they got a deeper understanding through hands on experiences of Xilinx software.

Valedictory Workshop Photos:



Prof. Palak Patel
(Professor EC Dept)

Prof. Robinson Paul
(Professor EC Dept)

Attendance Sheet

S

One Day Workshop On VHDL Programming			
Slot 2: Hardware implementation			
Venue: Seminar Hall (f block)			
SR NO	NAME	ID NO	SIGN
1	Shreyans Patel	17EC425	<i>[Signature]</i>
2	Poonam Lalwani	17EC440	<i>[Signature]</i>
3	Rutvik Patel	17EC421	<i>[Signature]</i>
4	Kruti Manek	17EC460	<i>[Signature]</i>
5	Shah Rohit	17EC438	<i>[Signature]</i>
6	Sameer Barot	17EC442	<i>[Signature]</i>
7	Kamya Desai	17EC445	<i>[Signature]</i>
8	Vishvas Mirani	17EC436	<i>[Signature]</i>
9	Dhruv Patel	17EC415	<i>[Signature]</i>
10	Shreya Mehta	17EC430	<i>[Signature]</i>
11	Raveena Vala	17EC433	<i>[Signature]</i>
12	Gopal Ukani	17EC418	<i>[Signature]</i>
13	Nisarg Amin	17EC454	<i>[Signature]</i>
14	Arshit Patel	17EC432	<i>[Signature]</i>
15	Ritvik Singh chouhan	17EC435	
16	Ronak Karmur	17EC413	
17	Roshni Hirani	17EC456	<i>[Signature]</i>
18	Sanghvi singh	17EC455	<i>[Signature]</i>
19	Shaunak Vyas	17EC428	<i>[Signature]</i>
20	Neel Macwan	17EC401	<i>[Signature]</i>
21	Vatsal Shah	17EC402	<i>[Signature]</i>
22	Niharika Pandey	17EC459	<i>[Signature]</i>
23	Tijendra Akash R	MIT432	<i>[Signature]</i>
24	Beladiya moulik P	MIT409	<i>[Signature]</i>
25	Dhawani Trivedi	17EC411	<i>[Signature]</i>
26	Kruti Kamdar	17EC412	<i>[Signature]</i>

One Day workshop on VHDL Programming

Slot 1: Stimualtion

Venue: Advance computational laboratry

SR NO	NAME	ID NO	SIGN
1	Vimarsh Rathod	17CP062	<i>Vimarsh</i>
2	Jash Patel	17CP064	<i>Jash Patel</i>
3	Bhavesch Verma	17CP058	
4	Simran Anand	17IT418	<i>Simran</i>
5	Harshal Patel	17CP061	<i>H Patel</i>
6	Viraj Jogani	17EL020	<i>Viraj Jogani</i>
7	Meet Patel	17CP053	<i>Meet</i>
8	Rushiraj Bhuva	17CP045	<i>Rushiraj</i>
9	Rudrax Dave	17EC417	<i>Rudrax</i>
10	Sakshi Mehta	17EC403	<i>Sakshi</i>
11	Meha Dave	17EC420	<i>Meha</i>
12	Nisarg Patel	17EC419	<i>Nisarg</i>
13	Vatsa Dave	17EC437	<i>Vatsa</i>
14	Drashti Shah	17EC426	<i>Drashti</i>
15	Deep Sakhiya	17EC405	<i>Deep</i>
16	Harsh Modi	17EC404	<i>Harsh</i>
17	Harsh Navadiya	17EC410	<i>Harsh Navadiya</i>
18	Akhil Rabadiya	17EC407	<i>Akhil</i>
19	Aziz Suterwala	17EC439	<i>Aziz</i>
20	Dhivani Vora	17EC452	<i>Dhivani</i>
21	Ragni Shukla	17EC444	<i>Ragni</i>
22	Komal Harsoda	17EC416	<i>Komal</i>
23	Vaibhav Goel	17EC406	<i>Vaibhav</i>
24	Neshwari Sharma	17EC427	<i>Neshwari</i>
25	Yagnik Mehta	17EC409	<i>Yagnik</i>



**A Report
on
Technical Visit
At**



**“ELECTRONICA & PRODUCTIONICA
INDIA 2018, BANGLORE”**

from

Date: 27/09/2018 to 29/09/2018

By

**4th Year EC Department
Students of**

BVM Engineering College

**(Affiliated to Gujarat Technological University)
(An Autonomous CVM Institution)**

Connecting Global Competence



Messe München



Factsheet

All information
about **electronica India**

Planet **e**: Bringing the
future to the world.

International Trade Fair for Electronic
Components, Systems and Applications
September 26–28, 2018
Bangalore International Exhibition Centre, Bangalore, India
electronica-india.com



electronica India 2018
inside tomorrow

• **Summary Table**

Name of Industry/Organization Visited:	Electronica-India 2018		
Address of Industry/Organization Visited:	Bangalore International Exhibition Centre(BIEC) 10th Mile, Tumkur Road, Madavara Post, Dasanapura Hobli, Bangalore 562 123, INDIA		
Information of Industry Person:	Name:	Electronica-India 2018	
	Designation:	Manager	
	Department:	Electronica-India 2018	
Contact Information of Industry Person:	Contact No:	Tel: + 91-22 4255-4700	
	Email Id:	info@mm-india.in	
Name of Principal of the Institute:	Dr. I.N.Patel		
Department Name of the Institute:	E.C. Department		
Name of Head of the Department:	Dr. B.C.Goradiya		
Year/Semester of the Students	4 th year		
Specific Subject under which visit organized:	Manufacturing Unit Exhibition, PCB Design		
Professional body under which visit organized:	IEEE student branch (Gujarat Section)		
Date and Time of Departure:	09:00 A.M. , 27 th March.2018		
Date and Time of Arrival:	10:00 A.M. , 29 th March.2018		
No of Days for Visit:	01		
Accompanying Staff Name:	1	Prof. Anish A. Vahora	
	2	Prof. Ronak R. Vashi	
Contact information of Staff:	No	Contact No:	Email Id:
	1	9998322871	anish.vahora@bvmengineering.ac.in
	2	9426724335	Ronak.vashi@bvmengineering.ac.in
Mode of Travel:	By Flight (own Expenditure)		
No of Boys Students:	06		
No of Girls Students:	07		
Total No of Students:	13		
Accommodation Venue name and Address:	Coral tree By Goldfinch Address: 166, No 16, RT Nagar Main Rd, MLA Layout, Krishnappa Block, RT Nagar, Bengaluru, Karnataka 560032		

Objectives:

The objectives of Industrial visits are:

- Make Students Aware with Industry Practices
- Increase Practical Awareness of various Industrial Sectors
- Acquaint Students with Interesting Facts and Newer Technologies
- Practical application of instruments handled during course curriculum

Students of Final year, Electronics and Communication Department of Birla Vishvakarma Mahavidyalya have visited the Electronica and Productonica India 2018 exhibition, organised by Indian Government at Bengaluru, Karnataka from 27th September, 2018 to 29th September, 2018. Total 13 students visited the expo with the visit faculty coordinators Prof. Anish Vahora and Prof. Ronak Vashi.

About ELECTRONICA & PRODUCTONICA INDIA 2018:

“ELECTRONICA and PRODUCTONICA” is the largest electronic component and technology expo in the South Asia. It is organised every year in the month of September in various countries. This year it was organised by the Indian Government at Bengaluru, Karnataka from 26th September, 2018 to 28th September, 2018.

Their status as largest marketplace for electronic components, systems, applications and electronics production technologies in India. The latest editions impressed with a high internationality of exhibitors as well as a supporting program with a top-class line-up of the conferences. 455 exhibitors from 17 countries showcased new developments and trends of the entire value chain of electronics, taking up over 20,000 square meters of exhibition space. 19,028 visitors came for the three days of the events, which equates to an increase of 24 percent compared to the previous Delhi edition.

Numerous innovations and a broad thematic spectrum at the trade fairs and conferences. Exhibitors displayed the latest technological advancements on the trade fairs. From the many country pavilions, such as China, Germany, Singapore, Taiwan and United Kingdom, visitors gained a global perspective on innovations in the sector. The variety of the supporting program also added value for the attendees. Top decision-makers from across India took the offer of these learning and networking opportunities.

Some Highlighted Points of the Expo:

- Record numbers reflect industry's importance: increase of 24 percent in visitor as compared to previous Delhi edition
- Participants benefit from supporting program: Advantage India, e-Automotive conference, CEO Forum and India PCB Tech conference well received
- New market research report released on Automotive Electronics Industry of India at e-Automotive conference
- Advantage India Summit covered various key schemes and initiatives and offered investment and networking opportunities for encouraging growth within the electronics industry.

- E-Automotive conference included discussions around building up the eco-system for the growing automotive electronics market in India.
- CEO Forum gathered top thinkers to deliberate upon the way forward for the Indian ESDM sector
- India PCB Tech conference and pavilion gave a platform to the PCB suppliers as they showcased new technologies and gathered the information of the PCB industry ecosystem.

Glimpse of the Visit:





27.09.2018 & 28.09.2018
Electronica India-2018, BIEC –Bangalore

Visvesvaraya Industrial and Technological Museum

On a 3rd day (29/09/2018), students visited Visvesvaraya Industrial and Technological Museum, Bangalore (VITM), a constituent unit of National Council of Science Museums (NCSM), Ministry of Culture, Government of India, was established in memory of Bharat Ratna Sir M. Visvesvaraya.

A modest building with a built up area of 4000 sq. mtrs. was constructed in the serene surrounding of the Cubbon Park, housing various industrial products and engines, which was opened by the first Prime Minister of India, Pandit Jawaharlal Nehru on 14.07.1962. The first gallery set up at VITM on the theme ‘Electricity’ was opened to the public on 27.07.1965 by the then Union Minister for Information & Broadcasting & Bharat Ratna Indira Gandhi.

Some highlight points of the Museum Visit:

- VITM has a Dinosaur Corner with mobile app facility
- VITM also has a 1:1 scale replica of the Wright Brothers’ Flyer “Kitty Hawk” along with ‘Flyer Simulator’ providing an immersive and entertaining experience to the visitor.
- The ‘Science on a Sphere’ at VITM, the only one in Asia, is a large visualization system that uses multimedia projections to display animated data on the sphere converting it into an immersive animated globe showing dynamic, animated images of the atmosphere, ocean's and land area of a planet, combined with narration.
- VITM has 7 permanent exhibition galleries titled Engine Hall, Fun Science, Electrotechnic, Space – Emerging Technology in the Service of Mankind, Biotechnological Revolution, BEL Hall of Electronics and Children Science.







29.09.2018

Visvesvaraya Industrial and Technological Museum, Bangalore

Outcome of the Visit:

- Students came to know about the latest technologies used in the industries in various countries.
- As a final year student, this visit is very beneficial as students are given the proper details and the information about the current scenario of the industry and the job requirements in different domains of the industry.
- Students managed to interact with the industry experts and able to solve their doubts.



Report on Tour to IIT Bombay Techfeast



Details of the Tour to IIT Bombay Techfest

Starting Date:- 13/12/2018

Departure/Arrival Time:- 5.00 pm/6.00 am

Pick up point:- Vadodara Railway station

**Venue:- Indian Institute of Technology Bombay, Powai, Andheri(East)
Mumbai-400069**

Duration:- 5 Days

Total No of students:- 86

The tour is organized for the student of 1st, 2nd, 3rd year of our college Birla Vishvakarma Mahavidhyalaya. The students gather at Baroda Railway station at 4.45pm. And total 86 students have registered themselves for the tour to IIT Bombay Techfest.

ACKNOWLEDGEMENT

These tour was impossible to us without the efforts and valuable inputs from college and faculties. We are here extending to our great acknowledgement and appreciation to following persons with their memorial inputs that are very significant in making this tour possible:-

The First and the most acknowledged Person is Dr. Bhargav Goradiya who is a head of Electronics and Communication Department. He is very helpful to us. He has inspired us to arrange these tour to IIT Bombay Techfest. Not only that has giving permission for tour,his academic guidance, fairness and responsiveness to kind of queries remains him as a role model, therefore we are extending our gratitude to Dr.Bhargav Goradiya.

Next and the acknowledged Dr.Indrajit Patel (Principal BVM Engineering college) who has faithful to us, he is also always ready for solving problem related to Industrial visit and conclude it, ascertaining him a commemorative plaque at deep of our heart.

Again thanks for valuble collaborations.

INDEX

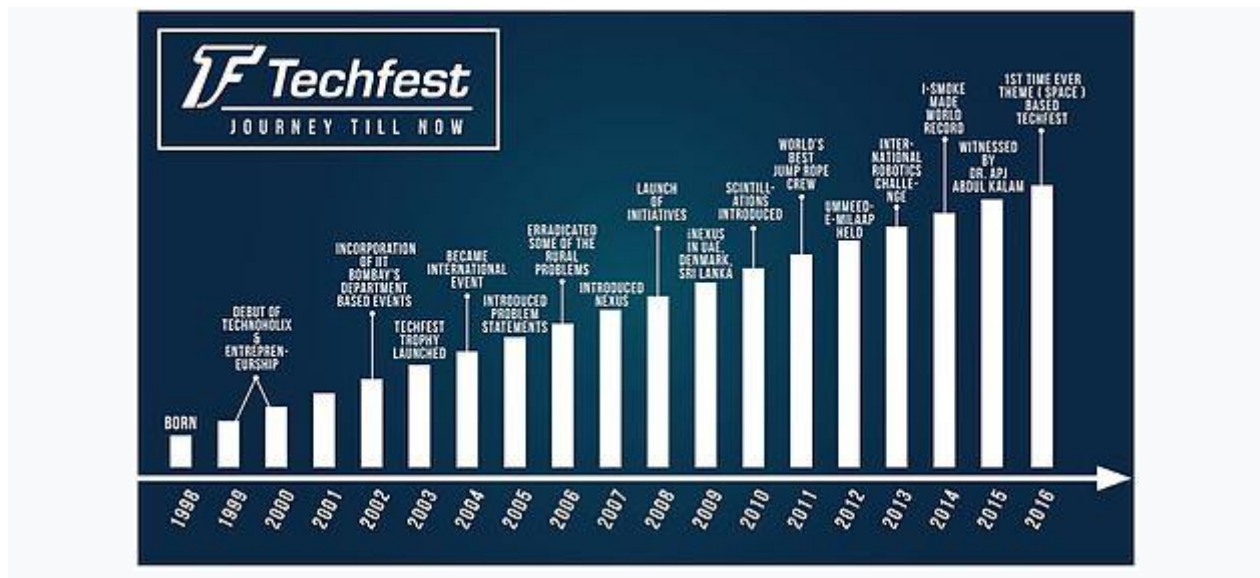
- 1. Introduction**
- 2. Purpose of Tour**
- 3. Workshops held at IIT Bombay techfest**
- 4. Exhibitions held at IIT Bombay techfest**
- 5. Lectures held at IIT Bombay techfest**
- 6. Conclusion**

Introduction:

Techfest is the annual science and technology festival of Indian Institute of Technology Bombay. It also refers to the independent body of students who organize this event along with many other social initiatives and outreach programs around the year. Techfest is known for hosting a variety of events that include competitions, exhibitions, lectures as well as workshops.

Started in 1998 with the aim of providing a platform for the Indian student community to develop and showcase their technical prowess, it has now grown into Asia's Largest Science and Technology Festival with a footfall of 1.75 lakhs in its latest edition. The activities culminate in a grand three-day festival event in the campus of IIT Bombay which attracts people from all over the World, including students, academia, corporates and the general public.

The very first edition of **Techfest** was in **1998**. The underlying spirit of Techfest was "to promote technology and scientific thinking and innovation" a motto that has been followed by every Techfest since. Techfest '98 also set the broad outlines of Techfest in the form of competitions, lectures, workshops, and exhibitions which went on to become a standard feature at every Techfest. Entrepreneurship also made an appearance in the 1999 and 2000 editions. Technoholix—Techfest in the Dark, showcasing technological entertainment at the end of each day as well as the hub of on the spot activities, made their debut during these years.



Techfest 2017-18 was based on "Digitalization , Sustainability and Biotechnology", and recorded a participation of 1.75 lakhs which has been the highest for any college festival. Sophia, the first ever humanoid robot to get citizenship made its appearance for the first time in India. The lecture series was adorned by Tanmay Bakshi (youngest IBM Watson Developer), Manohar Parrikar(Chief Minister of Goa), Jayanth Sinha(Minister of State, Civil Aviation) and many more distinguished personalities. International Robowars saw participation from 5 countries and had a massive response from its audience for its grandeur. SHE (Sanitary Health Education), a social initiative focused on emancipating the taboo of menstruation in India by conducting hygiene management sessions and distributing 2 Lakh sanitary napkins.

Purpose of Tour

The main purpose of visiting the IIT Bombay Techfest is to gain more knowledge in various aspects of technology and science. To attend the wonderful lectures.

To see their Exhibitions. And to attend amazing workshops

Workshop held at IIT Bombay Techfest

Workshops play an important role in fulfilling Techfest, IIT Bombay's vision of bringing the students face to face with the latest technology that is storming the world. These workshops are organized under expert guidance from various fields and are known to attract a lot of students owing to their repute and quality content. Techfest 2017-18 organized workshops in **Google Android, Gesture Robotics, Automobile Mechanics, Financial Fitness, Underwater Robotics, Ethical Hacking, Internet of Things, ArduinoBotix, Quadcopter, All In Cloud, 6th sense Robotics & a lot more**. Over the past few years workshops which Techfest, IIT Bombay provide have been given an enriching experience to participants & connected with the most effective and tangible reform movement in high education. Apart from the workshops held during the three-day festival, Techfest also reaches out to many colleges across India through tie-ups with robotics companies and organizes workshops pertaining to spread the robotics culture among Indian youth.

I have attended the Google Android Workshop. It was the nice experience for me to attend the workshop and I have gain more Knowledge in field of android studio. They have teach us how to make the icon for app and how to deal with Sqlite database and animation java programming with oops concept.



Lectures held at IIT Bombay:

lectures is one of the most distinguished parts of the fest. The series has been continuously striving to impart knowledge and profound experience to one of the largest gathering across the continent. The sheer volume of knowledge and ideas that are spread through the series is immense and unimaginable. The platform provides the opportunity of interacting with eminent personalities and share ideas and interests. The past speakers at Techfest include great personalities like:

- Sophia, Hanson Robotics , Citizen of the Kingdom of Saudi Arabia (Most advanced humanoid robot ever built)

- A P J Abdul Kalam(Former president of India and Founder of India's missile program)
- Manohar Parrikar (former defence minister of India)
- Jayant Sinha (minister of the state of civil aviation)
- Randy Schekman (Nobel Prize recipient in Physiology)
- Jimmy Wales (Founder, Wikipedia)
- Ada Yonath (Nobel Laureate, Chemistry)
- Michael Sandel (Political Philosopher, Harvard University)
- C.N.R. Rao (Bharat Ratna 2013-Highest Civilian Award of India)
- Bjarne Stroustrup (inventor of C++)
- Amartya Sen (Nobel Laureate, Economics)



Michael Sandel, Political Philosopher, Harvard University at Techfest 2014

- Vint Cerf (one of the fathers of Internet)
- Pranav Mistry (Vice President of Research at Samsung, Inventor of SixthSense technology)
- John Nash (Nobel Laureate, Economics)
- Harold Kroto (Nobel Laureate, Chemistry)
- Ei-ichi Negishi (Nobel Laureate, Chemistry)
- Robert E. Kahn (One of the fathers of internet)
- Manjul Bhargava ^[33] (Fields Medal and Padma Bhushan awardee, Mathematician)
- Venkatraman Ramakrishnan (Nobel Laureate, Chemistry)
- Stephen Wolfram (Developer of Mathematica)
- Ryan Germick (Google Doodle team leader)
- Jaap Haartsen (Inventor of Bluetooth)

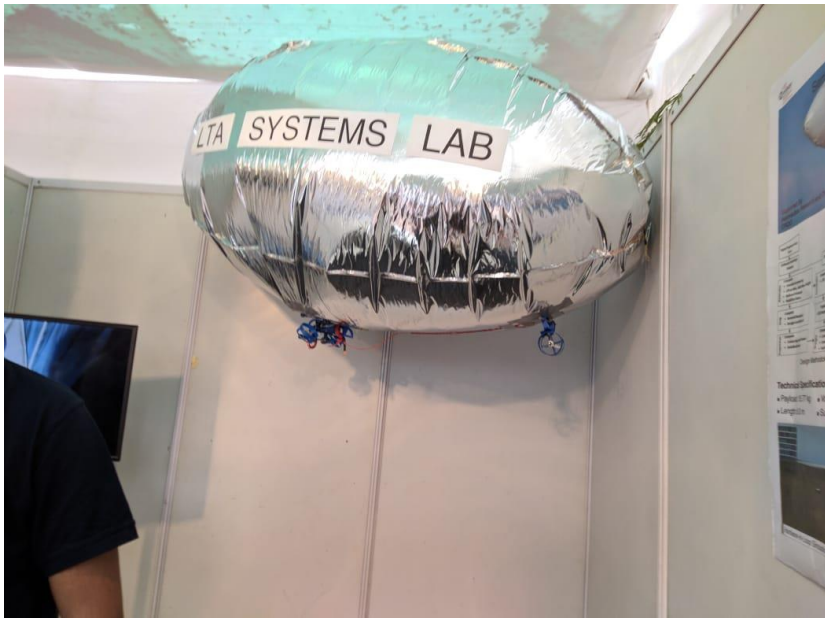
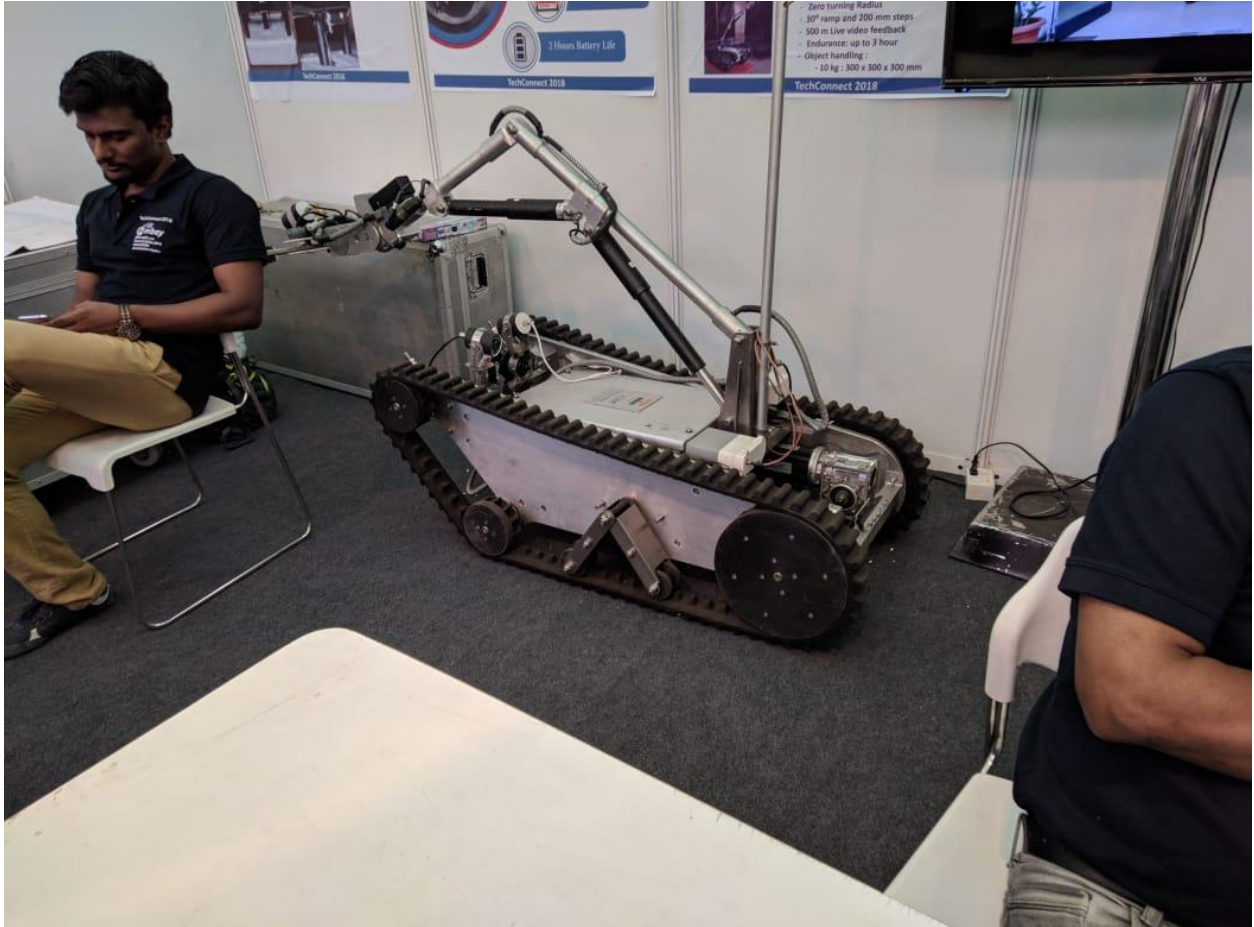


- Serge Haroche, French Physicist, Nobel Laureate, at Techfest, IIT Bombay
- Jaime Lagunez (Scientist and Human Rights activist has accepted this year's invitation)
- Dr. K. Radhakrishnan (Ex-Chairman, Indian Space Research Organisation (ISRO))
- Eric Klinker (CEO, Bit Torrent)
- Serge Haroche (Nobel Laureate, Physics)
- Rakesh Sharma (1st Indian in Space)
- Sharmila Tagore (UNICEF Goodwill Ambassador)
- Peter Atkins (British Chemist and renowned Author)
- Bruce Allen (American Physicist and Director, Max Planck Institute for Gravitational Physics (Albert Einstein Institute))
- Mark Papermaster (Former CTO, Apple Inc.)

Exhibition held at IIT Bombay Techfest

Exhibitions provide an ideal platform to reduce the gap between the technology in today's world and the common man in India. Every year Exhibition has mesmerized people by presenting technological avant-garde in the world. It helps young minds to broaden their vision and to update their tech know-how. The exhibitions segment of Techfest started out in 2004 with Indian Navy Exhibitions feeling the need to motivate young Indian minds towards military research. It was re-initiated in 2006 with a plethora of exhibitions. **Welcome To Mars** was the first International Exhibition from Arizona State University and NASA. While 2007 witnessed a huge

increase in the number of International Exhibits of which the most prominent were Mind Reading Machines and the life-size exhibits of Pterosaur, 2008 had the first interactive exhibit in Techfest in Shadow Dexterous Hand. In 2009 an Amphibot capable of moving without any limbs or wheels, face detection software on a robot security platform, rudders and flight control mechanics from Airbus, and DRDO 's mobile autonomous launcher Brahmos. Alice the first robot smaller than a ping-pong ball and eye-writer writing by eye movement were the focus of Techfest Exhibitions 2010. Da Vinci Robotics Exhibitions conceptualised by Leonardo da Vinci, Open vibe- the brain-computer interface shows brain activity, PR2 Robot, Eccerobot 2- an anthropomimetic robot acting as a human replica were the cynosure of all eyes in 2011. Techfest 2013 ^[28] saw the NAO Robot from France, exhibits from the MIT Media Lab like the EyeNetra, HIRO robot were among the highlights of the exhibitions. Exhibitions at Techfest 2014 witnessed the BINA48, Fumanoids (Germany), Solowheel (United States), Cubli (Vertex balancing cube, EPFL Switzerland) and many other exhibits. Techfest 2015 featured innovative Sepios which mimics swimming through proper fins. Bionic Hand,^{[3][31]} an artificial bionic prosthesis using 3D printing technology. Some other exhibits at display were Beach Bot, Teegi, Tigers Mannheim, Thomas Li Vigni and many more. Jinn Bot (robot which express moods such as joy and anger), Dutch Nao Team exhibits from BRAC University, ETH Zurich were among the highlights of Exhibitions in 2016. Following the **Space Expedition** theme, Exhibitions in Techfest 2016-17 showcased ISRO prototypes, Advanced Military Weaponry, Bebionic hand with **Techconnect**, an exclusive showcase of IIT Bombay research projects and Exhibits. Techfest 2016 also witnessed Auto-show as a part of exhibitions showcasing BMW i8, BMW M4, Hayabusa, Ducati, Triumph Bikes and many more. Techfest 2017-18 provided unparalleled variety and gave amazing experience by showcasing Team Puli (Hungary), KinoMo (UK), GBL robotics(United States), Mini Robot (Korea), Synergy Moon, Neurosky, Universal Robots, Softbank.





Conclusion: We have gain more knowledge on various aspect in field of science and technology and it will be very much helpful in future.



Birla Vishvakarma Mahavidyalaya Engineering College

Anand

(IEEE Student Branch)

INDUSTRIAL VISIT TO



e-Infochips

18th February 2019

AHMEDABAD, GUJARAT

SUMMARY TABLE:

Name of Industry/Organization Visited:	e-Infochips Ltd.		
Address of Industry/Organization Visited:	11/A-B, Chandra Colony, Off C.G. Road, Ahmadabad, Gujarat		
Information of Industry Person:	Name:	Nilesh Ranpura	
	Designation:	Delivery Manager	
	Department:	ASIC	
Contact Information of Industry Person:	Contact No:	Tel: +91 (79) 39330000 Mob: (+91) 987- 926-1139	
	Email Id:	nilesh.ranpura@einfochips.com	
Name of Principal of the Institute:	Dr. I. N. Patel		
Department Name of the Institute:	Electronics & Communication Department		
Name of Head of the Department:	Dr. B. C. Goradiya		
Year/Semester of the Students	2 nd Year		
Specific Subject under which visit organized:	ASIC design, VLSI		
Professional body under which visit organized:	IEEE Student Branch (Gujarat Section)		
Date and Time of Departure:	08:30 A.M, 18 th February.2019		
Date and Time of Arrival:	06:00 P.M, 18 th February.2019		
No of Days for Visit:	01		
Accompanying Staff Name:	1	Prof. Amit H. Choksi	
	2	Prof. Robinson P. Paul	
	3		
Contact information of Staff:	No	Contact No:	Email Id:
	1	9723786348	amit.choksi@bvmengineering.ac.in
	2	9106747249	robinson.paul@bvmengineering.ac.in
	3		
Mode of Travel:	Bus (ADIT, CVM)		
No of Boys Students:	31		
No of Girls Students:	17		
Total No of Students:	48		
Accommodation Venue name and Address:	NA		

ABOUT e-Infochips:

e-Infochips, an Arrow company, is a leading global provider of product engineering and semiconductor design services. With over 500+ products developed and 40M deployments in 140 countries, E-Infochips continues to fuel technological innovations in multiple verticals. The company's service offerings include digital transformation and connected IoT solutions across various cloud platforms, including AWS and Azure.

Along with Arrow's \$27B in revenues, 19,000 employees, and 345 locations serving over 80 countries, E-Infochips is primed to accelerate connected products innovation for 150,000+ global clients. E-Infochips acts as a catalyst to Arrow's Sensor-to-Sunset initiative and offers complete edge-to-cloud capabilities for its clients through Arrow Connect.



REPORT: INDUSTRIAL VISIT TO E-INFOCHIPS

The company provides a range of products and services spanning multiple industries including semiconductors, aerospace and defense, medical devices, robotics, industrial automation, e-commerce, automotive infotainment, video surveillance and connected homes.

The company has developed its niche for several product companies and hi-tech firms such as Qualcomm, Toshiba, Kroger, Texas Instruments, Safran, Rockwell Collins, etc to name a few.

ABOUT INDUSTRIAL VISIT UNDER IEEE STUDENT CHAPTER:

The industrial visit to E-Infochips was conducted on 18th February 2019. We departed at 8:30 in the morning from the BVM College in the CVM bus. There were 48 students (2nd Year) along with two faculty members Prof. Amit Choksi (EC Dept) and Prof. Robinson Paul (EC Dept) who had supported this industrial visit.



The bus reached Ahmedabad at around 11 am and the students were provided with refreshments to cheer up the upcoming visit.

At around 11:30 am the first session of General Introduction and the Briefing about the company's work was given by two of their Engineers. They asked some interactive questions to the students about describing them in one word and also made the students aware about the most important qualities each student as an engineer in their professional career should have to be a good engineer.



They made us aware about ASIC- Application Specific Integrated Chips that they work on and provide the necessary steps to design and verify the same functionality. The overall design flow about ASIC and DFT- Design for Testability was conducted by 12:30pm. They showed a video on how they make 7nm Intel SoCs which made students understand the basic process and how such chipsets are produced in real life. They made students aware about the subjects which are most important to work specifically in e-Infochips and they explained how the most basic fundamentals which the students learn in those subjects results to be the most crucial element of the processes which goes on within the company.

The told the students about the company's number of employees to be around 700 out of which almost around 500 employees are in DFT sector which means most amount of work required for this specific setup is in the DFT sector and most of the new recruitments are done for the same.

REPORT: INDUSTRIAL VISIT TO E-INFOCHIPS

One of the Engineers then explained various important aspects like the use of Flip-Flops and Logic Gates. They explained the need of clock for a processor and how clock can affect the performance of a processor.

Around 12:45 pm we had a lunch break where everyone was provided lunch in the company's mess itself. Everyone seemed to enjoy the food.

Around 2 pm a tour to their room of works was held where they had a setup of some sample models and some videos regarding their work with some well-known companies like Kroger, Safran, Rockwell and Collins, etc in the field of aerospace and defence, home automation, IoT, ASIC, Medical devices, video surveillance and much more.

They showed some interesting videos on how they make products for aeroplanes by making smart engine health monitors, automating cockpit system, automatic cabin system and etc. They showed us some projects they worked on in medical sector to help the citizens suffering from common allergies by setting up the modules at different public streets. They showed us automatic medical pill supplying machine and a smart injector for patients who need a regular shot of medicine through syringes.

They showed the students some smart surveillance systems the company has developed like CCTV monitoring, finger print sensors, two-factor authentication machines, three-factor authentication machines, bionic nerve print sensors and other smart payment modules.

The company has also developed a lot of products for home automation out of which some products like door alarm, automatic lock, safety alarms, etc were demonstrated to the students. Then they showed different chipsets made by the company.

They showed the students very interesting project they did in the field of holograms and showed them creation of 3-D objects and animations in space by using a fan. The project was very interesting and innovative. One more interesting product that was demonstrated to the students were smart glasses for bicyclers which could tell the speed and many other important instructions to the rider just in front of the eyes without blocking the view.

REPORT: INDUSTRIAL VISIT TO E-INFOCHIPS



The last session of the tour the question and answer session took place at 2 pm where students wonderfully asked many questions and cleared all their queries about the industry platform.

REPORT: INDUSTRIAL VISIT TO E-INFOCHIPS

Questions about the effect of decreasing the size of SoCs on to the cost of production were asked which were wonderfully answered. They also solved students queries on what actually was the final product when only the Ahmedabad sector is considered and what would they hire the freshers for.



At the end our two faculties were given away a memento of memory by E-Infochips.

FROM THE STUDENTS:

We, the Students of BVM Electronics and Communication Engineering are extremely thankful to:

- | | |
|---------------------------------------|--|
| - Honourable Principal of BVM: | Dr. IN Patel |
| - HOD (EC Dept): | Dr. Bhargav Goradiya |
| - Staff Coordinators: | Prof. Amit Choksi
Prof. Robinson Paul |
| - IEEE Coordinator: | Prof. Darshan Dalwadi |
| - IEEE Student Coordinators: | Yagnik Mehta (2 nd Year,EC)
Vatsal Shah (2 nd Year,EC)
Rudrax Dave (2 nd Year,EC) |
| - EC Engineering Department | |
| - Report Made By: | Shreyans Patel (2 nd Year,EC) |

We hope that this type of knowledge and experience enhancing industrial visits are organized in the future again and we are thankful for it.

STUDENT'S ATTENDANCE LIST:

<u>Sr No.</u>	<u>ID no.</u>	<u>Full Name</u>	<u>DATE OF BIRTH</u>	<u>Mobile Number</u>
1	17EC401	Neel Macwan	4/11/1999	9664958234
2	17EC402	Vatsal Vipul Kumar shah	24/11/1999	6358152360
3	17EC403	Mehta sakshi Kanheyalal	13/07/1999	7285068942
4	17EC404	Modi Harsh Dharmesh	16/06/1999	8347255044
5	17EC405	Sakhiya Deep Jiteshkumar	5/7/1999	7487816089
6	17EC406	Vaibhav Goel	10/9/1999	7600065314
7	17EC407	Akhil bhikhubhai Rabadia	9/3/2000	9104959988
8	17EC408	Harsh Saraiya	1/11/1999	7567926426
9	17EC409	Yagnik Mehta	10/3/1999	9510403775
10	17EC410	Navadiya Harshkumar	21/01/2000	9033867615
11	17EC411	Trivedi Dhvani Kirankumar	9/12/1999	9773131177
12	17EC412	Kruti Chetan Kamdar	9/8/1999	9825257135
13	17EC413	Karmur Ronak punjabhai	28/01/1999	7202040250
14	17EC415	Dhruv patel	23/08/1999	7046184940
15	17EC416	Harsoda Komal Vinodbhai	2/10/1999	9664738159
16	17EC417	Dave Rudrax	7/11/1999	9724051664
17	17EC418	UKANI GOPAL KANTIBHAI	9/8/1999	7048761151
18	17EC419	Nisarg Chiragkumar Patel	11/7/2000	9904711107
19	17EC420	Meha Dave	6/8/1999	9821156604
20	17EC421	Rutvik Manishkumar Patel	27/05/1999	9725251039
21	17ec422	JAY GHIYA	14/03/1999	9664744056
22	17EC424	JAISWAL DEEPANSH	9/7/1999	9833000426
23	17EC425	Patel Shreyans Shitalkumar	16/2/1999	9426783602
24	17EC427	Sharma Neshwari Jitendra	9/11/1999	8160118280
25	17EC428	Shaunak vyas	21/1/1999	9979772272
26	17EC430	Mehta Shreya Vimalbhai	28/04/2000	9664834522
27	17EC431	Abhijeet Karmakar	1/10/1998	9638940994
28	17EC432	Patel Arshit Bhavssh	4/2/1998	9775111822
29	17EC434	Upadhyaya Aashi Nigam	21/11/1999	9687919133
30	17EC436	Mirani vishvas bhagvanbhai	30/09/1999	9978715327
31	17EC437	Dave Vatsa Dharmesh	23/11/1999	8511154069
32	17EC438	SHAH ROHITKUMAR	4/7/2000	9033855912
33	17EC439	Aziz Moiz Suterwala	12/9/1999	9033755952
34	17EC440	Poonam Lalwani	8/10/1999	9726285026

REPORT: INDUSTRIAL VISIT TO E-INFOCHIPS

35	17EC442	Sameer Kumar barot	22/06/2000	7623987591
36	17EC444	SHUKLA RAGNI	7/3/2000	8320862751
37	17EC445	Desai kanya bhavesh	24/12/1999	9712054150
38	17EC447	Udit Khichi	23/2/1999	7433007847
39	17Ec448	Sankalp Kumar	18/3/1999	9558905711
40	17ec450	Damani ramya bharatbhai	14/9/1999	6352889988
41	17EC455	Sanghwi S Singh	29/12/1999	9687320202
42	17EC456	Roshni Ashokbhai Hirani	3/4/1999	8140673499
43	17EC457	Bapat Durga shamkalyan	18/3/1999	9427859382
44	17ec459	Pandey Niharika	26/6/1999	7567542539
45	17EC460	Manek Kruti Jaysukh	12/7/1999	9408242342
46	17EC461	Disha Darji	29/8/1999	9904429899
47	17EC463	Shukla Naman Beerendra	10/10/1999	8320578920
48	18EC601	Mishra parixit udaynarayan	11/12/1998	9429219647

Confirmation Letter by e-Infochips:

RE: [External] Industrial Visit



Nilesh Ranpura <nilesh.ranpura@einfochips.com>

12-02-2019 07:47 PM

To: Amit Choksi Cc: Ramesh Devani; Surbhi Joshi

Hi Amit

10:30am to 12:00pm- Technology capsule

12:00-1:00PM Experience zone

1pm to 2pm Lunch

2:30pm to 3:30pm- QA

Nilesh Ranpura

Delivery Manager | ASIC



Tel: +91 (79) 39330000 | Mob: (+91) 987- 926-1139

Semiconductor Services

Software | Embedded | Semiconductor

Frost & Sullivan Company of the Year 2013-14

UNDERTAKING LETTER- FACULTY:

We here-by undertake that the Industrial Visit/Cultural Visit/ Field Trip/Study Tour/Out bound Training is purely academic related and at any case.

We shall undertake full responsibility of the student's actions and behavior at all times during the course of Industrial Visit/Cultural Visit/ Field Trip/Study Tour/Out bound Training. We further undertake not to breach the safety guidelines of the BVM Engineering College at any cost.

SR.NO.	Name	Department	Signature
1.	Prof. Amit H. Choksi	EC	
2.	Prof. Robinson P. Paul	EC	

STUDENT'S FEEDBACK AND CONCLUSION:

Educational Industrial visit to e-Infochips, Ahmedabad, Gujarat.

Both the site staff as well as guiding staff was very supportive to all the students.

As Students in Electronics and Communication Department, we came to know about the kind of work we can do in the field of electronics and about what is actually going on in the world in the field of electronics. We came to learn about different types of SoCs ranging from several nm technologies from around 160nm to 7nm chipsets. We came to know about the advancements the world has done in terms of Technology and what is made possible in today's life compared from the previous generations.

We got to see some marvellous products and research-based developments done by the company and came to know that such kind of innovative ideas can really have a huge impact on the future world.

By looking at the products the company worked on and learning about different kinds of jobs in different segments like DFT and ASIC, the students felt very motivated to take their interest into the field of Electronics and try to seek new ideas to innovate the current technology to make the future brighter and better for everyone.

As students, we all know that this visit will help us in our future practical and corporate life and brought a positive change in our thinking and practical behaviour regarding education and specially Engineering.

We are really thankful to our College for giving us such a wonderful chance to learn and experience something new which we had never seen before from our own eyes.

Prof. Amit Choksi
(Visit Coordinator)

Dr. Bhargav Goradia
(HOD, EC Department)



Birla Vishvakarma Mahavidyalaya Engineering College ,Anand (IEEE Student Branch)

INDUSTRIAL VISIT TO



BSNL Telecomm Exchange

23rd February 2019

V.U.NAGAR, ANAND, GUJARAT

INDUSTRY PROFILE:

Company Name : BSNL

Type : Public

Specializations : Telecommunication Exchanges and Services

Founded : 2000

Headquarters : New Delhi

Key People : Shri Anupam Shrivastava (CEO)

Website : www.bsnl.co.in

SUMMARY TABLE:

Title of the workshop:	Industrial Visit to BSNL, V.U.Nagar, Anand		
Name and Designation of Experts:	Name	Designation	
	R K Paghdar	SDE Engineer, BSNL	
	D B Shah	Junior Telecomm Officer, BSNL	
Organization and Department of Experts:	Sr.No	Organization Name	Department
	1	BSNL Telecomm Exchange	Telecomm and Exchange
Contact Information of Experts:	Sr.No	Contact No	Email Id
	1	09400026832	=
Name of Principal of the Institute:	Dr. Indrajit Patel		
Department Name of the Institute:	Electronics & Communication		
Name of Head of the Department:	Dr. Bhargav C. Goradiya		
Year/Semester of the Students	3 rd year students of EC		
Specific Subject under which Seminar organized:	Telecomm and Switching, Analog and Digital Communication		
Professional body under which seminar organized:	Dr. Darshan Dalwadi, IEEE Student Chapter, Gujarat Section & Electronics and Communication Engg Dept		
Date and Time of Seminar:	Date: 23/02/2011 Time: 11:30AM to 2:00 PM		
Venue Name:	BSNL, V.U.Nagar, Anand		
No of Days for Seminar/workshop:	01		
Staff Coordinator's Name:	1	Dr. Darshan C Dalwadi	
	2	Prof. Kaushal Patel	
Contact Information of Staff:	No	Contact No:	Email Id:
	1	8160833427	darshan.dalwadi@bvmengineering.ac.in
	2	8980943264	kaushal.patel@bvmengineering.ac.in
Total No of Students:	20		
No. of Girls:	10		
No. of Boys:	10		

ABOUT BSNL:

Bharat Sanchar Nigam Limited (abbreviated **BSNL**) is an Indian state-owned telecommunications company headquartered in New Delhi. It was incorporated on 15 September 2000 and assumed the business of providing telecom services and network management from the erstwhile Central Government Departments of Telecom Services (DTS) and Telecom Operations (DTO) as of 1 October 2000 on a going-concern basis. It is the largest provider of fixed telephony and broadband services with more than 60% market share, and is the fourth largest mobile telephony provider in India. BSNL is India's oldest communication service provider and its history can be traced back to the **British era**. During the British era, the first telegraph line, was established between Calcutta and Diamond Harbour. The British East India Company started using the telegraph in 1851 and till 1854 telegraph lines were laid across the country. In 1854, the telegraph service was opened to the public and the first telegram was sent from Mumbai to Pune. In 1885, The Indian Telegraph Act was passed by the British Imperial Legislative Counsel. After the bifurcation of post and Telegraph department in 1980s, and with the creation of Department of Telecom by 1990s, eventually led to the emergence of the State owned telegraph and telephone company **BSNL**. BSNL then continued the telegraph services in India until it shut down telegraph services completely in July 15, 2013.



ABOUT INDUSTRIAL VISIT UNDER IEEE BRANCH CHAPTER :

The industrial visit to BSNL was conducted on 23rd February 2018. We departed at 11:30 am from the BVM College. There were 20 students (3rd Year) along with faculty members Prof. Kaushal Patel (EC Dept) who has supported this industrial visit .

At around 12:00 pm the first session of General Introduction and the Briefing about the companies work was given by two of their engineers DB Shah and RK Paghdar.

They made us aware about Telecomm Exchange Techniques such as NGN system of exchange they work on and provide the necessary steps to design and verify the same functionality. The overall design flow about NGN and services were demonstrated by 12:45 pm.

Around 1 pm a tour to their room of works was held where they had a setup of some sample models regarding their work with some equipments like their mainframes of NGN networks, FIBCOM Nokia equipments, BTS, etc

The last session of the tour the question and answer session took place at 1:15 pm where students wonderfully asked many questions and cleared all their queries about the industry platform.



STUDENT'S FEEDBACK AND CONCLUSION:

Educational Industrial visit to BSNL, V.U.Nagar, Anand, Gujarat.

Both the site staff as well as guiding staff was very supportive to all the students.

We know that this visit will help us in our future practical and corporate life and brought a positive change in our thinking and practical behaviour regarding education and specially Engineering.

We, the Students of BVM Electronics and Communication Engineering are extremely thankful to

- **Honorable Principal of BVM:** Dr. IN Patel
- **HOD (EC Dept) :** Dr.Bhargav Goradiya
- **Staff Coordinators :** Prof. Kaushal Patel
Dr. Darshan Dalwadi
- **IEEE Coordinator :** Dr. Darshan Dalwadi
- **IEEE Student Coordinators :** Ricardo Macwan
- **EC Engineering Department**

We hope that this type of knowledge and experience enhancing industrial visits are organized in the future again and we are thankful for it.

STUDENT'S ATTENDANCE LIST:

Sr No	Name	ID No.	Gender	Contact Number	Parents Contact Number	Email Id
1	Adit Vaidya	16ET404	Male	8866209975	9825594927	aditvaidya80@gmail.com
2	Simran Malhotra	16ET406	Female	9408053047	9429124445	simranmalhotra207@yahoo.com
3	Sakshi Jain	16ET410	Female	9904200967	9904203112	sjain.sakshi545@gmail.com
4	Parth Sheth	16ET412	Male	7359239365	9714038661	parthdsheth9199@gmail.com
5	Shreya jarsania	16ET414	Female	9662011073	7600790396	shreyajarsania8@gmail.com
6	Meet Patel	16ET419	Male	9904784911	9835987803	meet88623@gmail.com
7	Aayush patel	16ET426	Male	9737008311	9537370418	aayush9619@gmail.com
8	Dhruvin Parsana	16ET429	Male	9427515142	9624966971	dhruvinparsana8306@gmail.com
9	Devesh Bhadauria	16ET431	Male	9408621713	9426074156	bhadauriadevesh3@gmail.com
10	Upasana Chatterjee	16ET433	Female	9512520052	9328374106	upasana1498@gmail.com
11	Jain Dharmik	16ET436	Male	9104645348	7984122146	dharmikshah1999@gmail.com
12	Shivangi Chadotariya	16ET441	Female	9409603807	9409603807	shivangichadotariya@gamil.com
13	Atchaya D. Nadar	16ET444	Female	7819001199	8000068488	akshaya.nadar111@gmail.com
14	Sweta Gondaliya	16ET452	Female	8155804643	9978881213	swetagondaliya1368@gmail.com
15	Dhwani Agrawal	16ET457	Female	9104330026	9427664979	dhwanira123@gmail.com
16	Ricardo Macwan	16ET458	Male	7359878949	9924385989	ricardomacwan@gmail.com
17	Odedra Prakash	16ET460	Male	9737600682	9724715009	odedraprakash723@gmail.com
18	Khistareeya vanaraj lakhaman	16ET462	Male	9638418254	9726114697	khistariyavanraj99@gmail.com
19	Herry Makawana	16ET466	Male	9099327757	9825099986	herrymakawana@gmail.com
20	Banthia Punita	17EC601	Female	9726062544	9327983184	jainpunita9@gmail.com



BHARAT SANCHAR NIGAM LIMITED
(A GOVT. OF INDIA ENTERPRISE)

O/o SDE (SESS), V.V.NAGAR

Date : 23/02/2019

To,
The Principal,
BVM Engineering College,
V. V. Nagar -388120.

Respected Sir,

This is to certify that we have provided one day industrial Visit to your 20 students from Electronics and Communication branch.

They have visited our Exchange on 23rd February , 2019 under the Co-operation of your faculty member Prof. Kaushal Patel and Prof. Darshan Dalwadi.

Place : BSNL,
V U Nagar ,ANAND.

SDE(5ESS) 23/2/19,
V V Nagar.

01 IEEE BVM SB

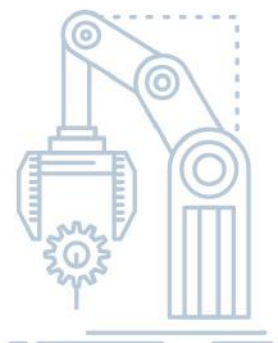
SKILL DEVELOPMENT PROGRAM

BVM IEEE

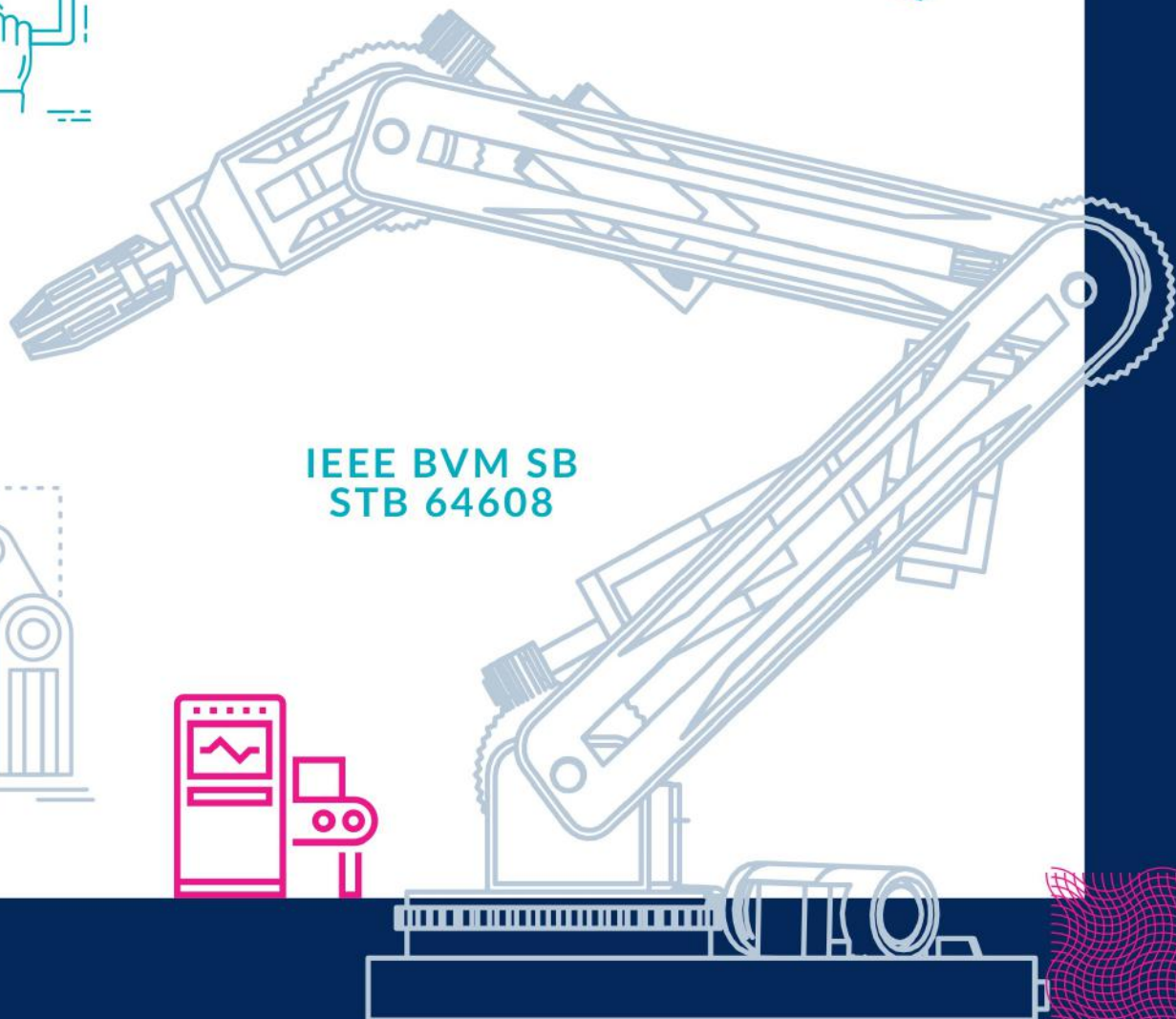


STUDENT BRANCH

Training Program Report



IEEE BVM SB
STB 64608



Details about the Program

- ❖ **Event Name :-** Skill Development Program on “Industrial Automation & Control”
- ❖ **Sponsored by :-** TEQIP 3
- ❖ **Objective of the program :-** Our main objective of this Skill Development Program is to foster technological innovation and improve technical skills of our students in order to equip them with skills in the domain of Industrial Automation & Control using PLC, DCS, SCADA and HMI modules. This training module is designed keeping the requirements of industries and companies of today’s competitive world. Such training programs help the participating students to leverage their knowledge and stay ahead of the masses. It is an initiative which demonstrates the ever-evolving nature of our academic curriculum which strives to bring the cutting edge skills in our building engineers.
- ❖ **Expert :-** Mr. Kiran and Mr. Kevin from Hi Mak Pvt. Ltd.
- ❖ **Faculty Coordinator :-** Asst. Prof Dipen Parikh
- ❖ **Date :-** 1st and 2nd March 2019
- ❖ **Time :-** Day1 10:00 am to 6:00 pm
Day2 10:00 am to 2:00pm
- ❖ **Venue :-** LRUC Hall, above Library , BVM Engineering College, Vallabh Vidyanagar.
- ❖ **Targeted Audience :-** 3rd Year Electrical Engineering students
- ❖ **Total number of attendees :-** 54

Abstract

The present contribution report initiative of IEEE BVM Student Branch involving students in creative activities that build motivation for their future engineering studies. The IEEE Student Branch at Birla Vishwakarma Mahavidyalaya has always attempted to put more emphasis on hands-on learning and training for fellow students through various workshops and training sessions. As a part of such activity, Skill Development Program was initiated with an aim to improve the technical know how and equip students with skills that will elevate their chances to get selected in placements. During the course of events in last couple of years several interesting findings could be identified. It is felt that in order to perform well in their workplace, as well as to be responsible citizens, students are required to not only develop mastery of a particular subject, but civic, social, interpersonal and workplace skills as well. In addition to reinforcing concepts from earlier and concurrent courses, such Training Sessions can serve as a platform for exposing students to inter-disciplinary topics that appear in greater depth in later courses. Such training sessions, being conducted in collaboration with industrial training institutes, gives students an industrial exposure of how actually technology is implemented in industries.

Introduction

We at IEEE BVM SB believe in overall development of students. Keeping that at its prime importance we came up with the training module on “Industrial Automation & Control” in collaboration with industrial automation solutions company, Hi Mak Pvt. Ltd. located primarily in Vadodara.

We devised a 12hrs training module consulting the Hi Mak Training Center in order to come up with a training session which will train participants in do of PLC, SCADA, DCS & HMI

The event was organised under the sponsorship of TEQIP 3 which helped us to conduct such training program in our college.

SDP Day 1

The inauguration of training session started at around 10:00 am in the presence of Principal BVM, IEEE BVM Student Branch Counselor Dr. Darshan Dalwadi, Faculty of Electrical Department Asst. Prof. Dipen Parikh all welcoming our experts Mr. Kiran and Mr. Kevin from Hi Mak Pvt. Ltd. training centre. The commencement of the event was done by offering welcome bouquet to the Principal, Faculty Members and our expert guests.



All the attended students were thoroughly motivated by an inspiring speech from our Principal which ignited a spark of eagerness to learn and gain more knowledge through such kind of technical events. Asst. Prof. Dipen Parikh sir introduced our experts and gave a brief about the training content. Prof. Darshan Dalwadi Sir briefed about IEEE BVM Student Chapter, its establishment and the kind of events we organise.

Mr. Kiran was very frank and immediately made a great bond with the participants. He started with a warm note of belonging to Engineering field and its potential in the field of automation. Participants were briefed about the basic PLC, its modules and programming languages used in it. Experts brought PLC HMI training kits along with them, which participants used for hands on training experience.



Siemens PLCs were taught along with programming software Simatics and PLCSIM were provided to students to experience the programming languages, giving them a kick start for implementing logics in PLC by themselves. Experts taught students about different logics to create ladder logics and implement the programming, they also taught how to configure their computers to the specifications of PLC profibus communication.

In all the first day of the training was very informative, many of students doubts were cleared and they got a deeper understanding through hands on experiences on PLC modules



SDP Day2

The second day started with great enthusiasm as all the participants were thrilled to learn more about the different types of programming languages used in PLC, use of timers, counters and tags.

Experts taught students how to implement timer logic using different types of timers available Simatics software.

Participants learnt how to make HMI GUI interface and upload that onto the module.

All the participants were thoroughly surprised and elated by seeing this kind of demonstration live in front of them. This show cased a wide range of possibilities in front of them in the field of automation.



At the closing ceremony of the 12hrs training module Asst. Prof. Dipen Parikh of Electrical Department and Dr. Darshan Dalwadi IEEE BVM SB Counselor gave a piece of Memento to our experts.

Feedbacks were taken from the students and they were enthusiastic to participate more in such kind of training programs helping them leverage their skills.



Conclusion

Developing skillsets is at its core in today's competitive world. We at IEEE BVM are determined to conduct such Skill Development Programs which let the participating students to leverage their knowledge and skill set in particular domain. Organising such programs, lets students learn new skills that sparks interests in them.



**A Report
On
Workshop of**



“Braintronix – Mind Controlled Robotics”

From

24/03/2018 and 25/03/2018

Sponsored by

(TEQUIP-3)

(IEEE Student Chapter, Gujarat Section)

Organized at

BVM Engineering College

(Affiliated to Gujarat Technological University)

(An Autonomous CVM Institution)

- **Summary Table**

Title of the workshop:	Braintronix- Mind Controlled Robotics		
Name and Designation of Experts:	Name	Designation	
	Mr. Kapil Gupta	Techienest, Jaipur	
	Mr. Harish Nagar	Techienest, Jaipur	
	Mr. Ajay M. Patel	Asst. Profesor, BVM	
Organization and Department of Experts:	Sr.No	Organization Name	Department
		BVM Engineering College	Electronic and Electrical
Contact Information of Experts:	Sr.No	Contact No	Email Id
Name of Principal of the Institute:	Dr. Indrajit Patel		
Department Name of the Institute:	Electrical		
Name of Head of the Department:	Dr. Bhupendra R Parekh		
Year/Semester of the Students	All Engineering Branch		
Specific Subject under which Seminar organized:	Mind Controlled Robotics		
Professional body under which seminar organized:	Prof. Darshan Dalwadi, IEEE Student Chapter, Gujarat Section		

Date and Time of Seminar:	Date: 24/03/2018 to 25/03/2018 Time: 09:00 AM to 5:00 PM		
Venue Name:	LRUC Hall, above library, BVM Engg. College, Vallabh Vidhyanagar		
No of Days for Seminar/workshop:	02		
Staff Coordinator's Name:	1	Mr. Ajay M. Patel	
Contact Information of Staff:	No	Contact No:	Email Id:
	1		ampatel@bvmengineering.ac.in
Total No of Students:	65		

Objective: To understand basic knowledge about robotics and its applications

Expected Outcome: To build a robot of one's specification

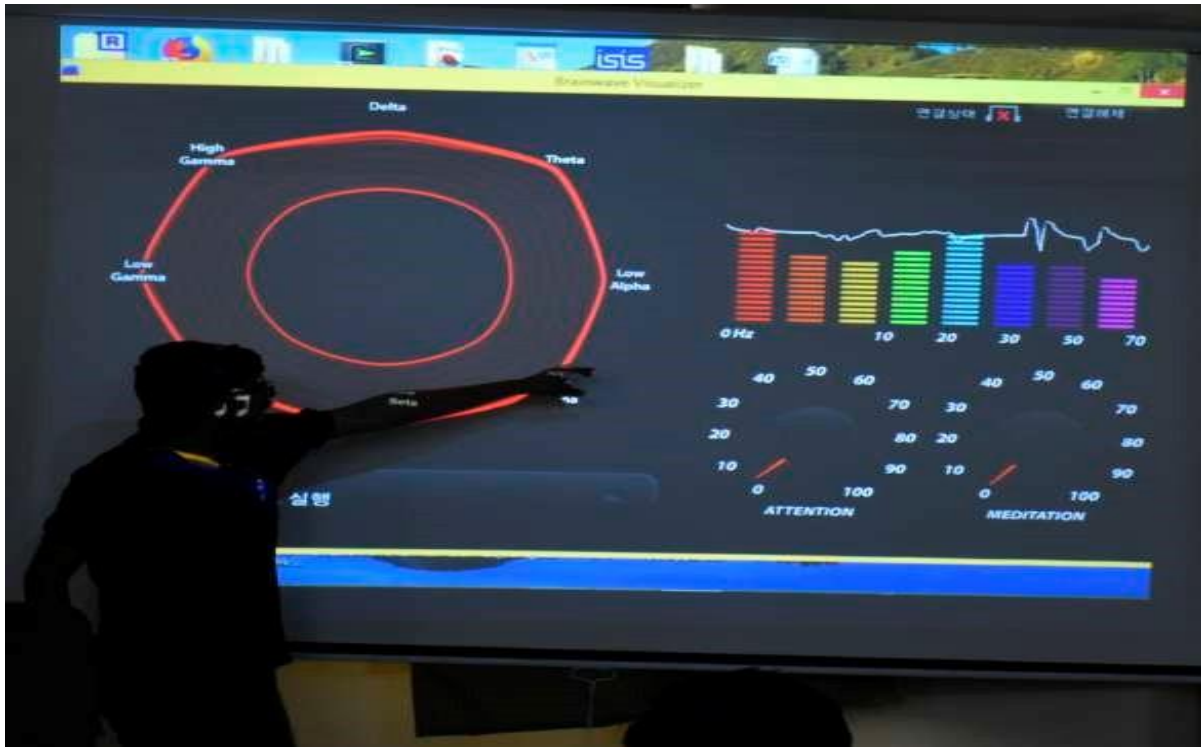
To improve the robotics skills

To understand the knowledge leading to robotics and its applications

- **Workshop Photos**

The event started at around 9:00 am under the presence of Principal BVM, IEEE BVM Student Branch Councillor Mr. Darshan Dalwadi, Faculty Of Electrical Department Dr. Rashesh Mehta and our Techienest experts Mr. Kapil and Mr. Harish.





- Introduction of various modules/section/process covered by Expert

The following topics were discussed on the first day :

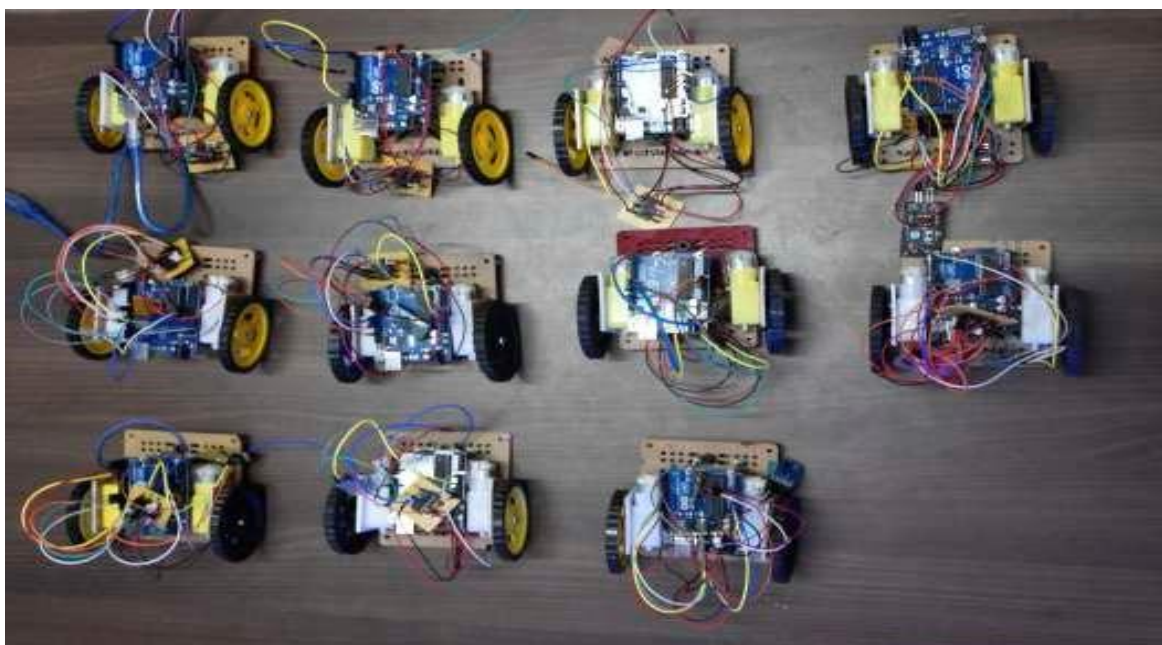
- ❖ Introduction to Micro-controllers
- ❖ Difference between Micro-Controllers and Micro-Processors
- ❖ ATmega328
- ❖ Arduino Basics
- ❖ Arduino IDE
- ❖ How to write Basic codes for blinking of LED strip in Arduino IDE
- ❖ Writing code for simple motor operation
- ❖ Simple model car operation
- ❖ Obstacle avoider car was built by all the participants.

In all the first day of the Workshop was very informative, many of students doubts were cleared and they got a deeper understanding through hands on experiences of Arduino board



- The topics covered on second day of the workshop

- ❖ Basics of Bluetooth controlled applications using HC05 bluetooth module and Techienest Blubot Bluetooth App from Google Play Store.
- ❖ By using the Accelerometer of the phone participants were able to control the model car which was included in the Gesture control application of the bot.Arduino Basics
- ❖ Brain Wave Controller by Neurosky
- ❖ Tips and Tricks for efficient coding



- **Valedictory Workshop Photos**



At the closing ceremony of the event Mr. Ajay Patel Professor Of Electrical Department Of BVM presented Memento and Certificate to our experts. All the coordinators of the event were given certificate of appreciation by the experts.

All the participants were thoroughly surprised and elated by seeing this kind of demonstration live in front of them. This show cased a wide range of possibilities in front of them.

Prof. Ajay M Patel

(Event Coordinator)

Prof. Darshan C Dalwadi

(IEEE Coordinator)

*****The End*****



**A Report
On
Workshop of**



“IoT Gyaan – Connecting the unconnected”

**On
19/03/2018**

**Sponsored by
(TEQUIP-3)
(IEEE Student Chapter, Gujarat Section)**

**Organized at
BVM Engineering College
(Affiliated to Gujarat Technological University)
(An Autonomous CVM Institution)**

- **Summary Table**

Title of the workshop:	IoT Gyaan – Connecting the unconnected		
Name and Designation of Experts:	Name		Designation
	Ms. Darshita Patel		IoT Developer Evangelist , IBM
	Mr. Gaurang Sharma		Asst. Prof , BVM Engg College
Organization and Department of Experts:	Sr.No	Organization Name	Department
	1	BVM Engineering College	Electronic and Electrical
Contact Information of Experts:	Sr.No	Contact No	Email Id
Name of Principal of the Institute:	Dr. Indrajit Patel		
Department Name of the Institute:	Electrical		
Name of Head of the Department:	Dr. Bhupendra R Parekh		
Year/Semester of the Students	All Engineering Branch		
Specific Subject under which Seminar organized:	IoT		
Professional body under which seminar organized:	Prof. Darshan Dalwadi, IEEE Student Chapter, Gujarat Section		

Date and Time of Seminar:	Date: 19/03/2018 Time: 08:00 AM to 11:00 AM		
Venue Name:	LRUC Hall, above library, BVM Engg. College, Vallabh Vidhyanagar		
No of Days for Seminar/workshop:	01		
Staff Coordinator's Name:	1	Mr. Gaurang Sharma	
Contact Information of Staff:	No	Contact No:	Email Id:
	1		gksharma@bvmengineering.ac.in
Total No of Students:	73		

Objective: To understand basic knowledge about Internet of Things and its applications

Expected Outcome: To get a basic knowledge of IoT and its applications
To improve the skills in the domain

- **Workshop Photos**

Expert talk on Introduction to IoT and its applications by Ms. Darshita Patel for the students of 1st & 2nd level undergraduates was organised on 19th March 2018 under the banner of IEEE BVM Students Chapter at Birla Vishwakarma Mahavidyalaya.

This event comprised of giving the participating students an idea about IoT, it's applications, types of sensors, actuators, micro controllers and their applications, IoT Gateways, Cloud Services , IBM IoT services, examples of IoT solutions set up in different cities of India, Practical demonstration on IoT Data Logger was shown, doubt clarification session, last notes, conclusion.





- Introduction of various modules/section/process covered by Expert

The following topics were discussed on the day :

- ❖ Introduction to IoT
- ❖ How and Why IoT
- ❖ Future in and out of IoT
- ❖ The potential of IoT
- ❖ Real life applications of IoT
- ❖ Technical Challenges associated with IoT
 - ❖ Practical demonstration of an IoT Data Logger explaining practical aspects

- List of students attended the workshop

IoT Gyaan Attendance Sheet (19/03/2018)				
Sr. No.	Name	Mobile Number	E-mail ID	Presence
ELECTRICAL				
✓1	Darshit Vyas	9106663848	darshitvyas1999@gmail.com	✓
✓2	Anurag Abhyankar	9408150010	anurag15111999@gmail.com	✓
✓3	Kedar Patel	9558222878	kedar1999@gmail.com	✓
✓4	Saliyed Mohammad Sahil Nazar Ali	8734062150	mohammadsahilsaiyed@gmail.com	M.Y. Saliyed
✓5	Pankaj Chaurasia	8200985424	Chaurasiyab804@gmail.com	✓
✓6	Parekh Dhruvanshu	7984109737	dhruvparekh1012@gmail.com	Dhruv
✓7	Lovlesh Roy	8511752131	lovleshroy007@gmail.com	✓
✓8	Rutvik Aandani	9870028760	aandanirutvik2000@gmail.com	R.K. Aandani
✓9	Darshan Panchal	9773010628	darshanpanchal2011@gmail.com	✓
✓10	Neel Patel	9428166033	neeldharmesh@yahoo.com	Neel Patel
✓11	Nidhi Chandwani	9157387397	nchandwani60@gmail.com	Nidhi
✓12	Vrunda Parsaniya	9870054152	parsaniyavrunda@gmail.com	✓
✓13	Shruti Patel	9773495770	shrutipatel2108@gmail.com	✓
✓14	Alok Patel	9099912950	alok1999patel@gmail.com	Alok
✓15	Parth Mistry	9429456823	parthmistryofficial@gmail.com	✓
✓16	Harsh Patel	8758128258	Patel.patelharsh.hp@gmail.com	H.P. Patel
✓17	Sahil Hirapara	9574844641	sahilhir1999@gmail.com	Sahil
✓18	Monarch Vyas	8866866228	Monarchvyas969@gmail.com	Monarch
✓19	Patel Neel Pravinbhai	9712570166	neelp9988@gmail.com	Neel Patel
✓20	Deep Aghera	9099192423	agheradeep399@gmail.com	Deep
✓21	Vaibhav Yagneshwar	7383645136	vyagneshwar98@gmail.com	Vaibhav
✓22	Ketul Patel	7359756646	ketulkapatel02@gmail.com	K.P. K.P.
✓23	Mojdra Parth	7623910668	parthmojdra001@gmail.com	Parth
✓24	Nikhil Khachariya	8758643308	khachariyanikhil@gmail.com	Nikhil
✓25	Sagar Busa	9714253482	sagarbusa.sb@gmail.com	Sagar
✓26	Mit Chhutola	973794248	23042000mitchhutola@gmail.com	Mit
ELECTRONICS AND COMMUNICATION				
✓1	Vatsa Dave	8511154069	Vatsa2331@gmail.com	Vatsa
✓2	Neel Macwan	9684958234	typicalimage3363@gmail.com	Neel
✓3	YAGNIK MEHTA	9510403775	yagnikmehtap@gmail.com	Yagnik
✓4	Rutvik Patel	9725251039	rutvikpatel8@gmail.com	Rutvik
✓5	Raveena Vaia	9680357303	Raveenavala027@gmail.com	Raveena
✓6	JAY GHIYA	9684744056	jayghiya007@gmail.com	Jay
✓7	Naman Shukla	8320578920	naman.shukla54@gmail.com	Naman
✓8	Rudrax Dave	9724051664	rududd799@gmail.com	Rudrax
✓9	Komal Harsoda	9684738159	komalharsoda111@gmail.com	Komal
✓10	Shreya Mehta	9684834522	mehtashreya28@gmail.com	Shreya
✓11	Gopal Ukani	7048761151	gopal.ukani@gmail.com	Gopal
✓12	Vishvas Mirani	9978715327	mvishvas30999@gmail.com	Vishvas
✓13	Piyush Kandoriya	9879729206	piyushkandoriya9206@gmail.com	Piyush
✓14	Parth Sheth	7359239365	parthdsheth9199@gmail.com	Parth
✓15	Khistaareeya Vanaraj Lakhman	9638418254	khistariyavanaraj99@gmail.com	Khistaareeya

G. K. Sharma - S
(Prof. G. K. Sharma)

10	Siddharaj Gogre (2017 passout)	7874536826	siddgogare@gmail.com	Idhar
11	Dhanshi Shah	9601807484	dhanshi123@gmail.com	Dhanshi
ELECTRONICS				
12	Vijay Sadhale	8511179297	vijaysadhale3978@gmail.com	Vijay
1	Rishabh Mishra	9687149992	mishranishabh500@gmail.com	Rishabh
2	Anjali Nayar	9724889635	anjie99lovesdworld@gmail.com	Anjali
3	Swara Shah	9428313464	swara.shah30@gmail.com	Swara
4	Vrushti Narendra Dabhi	9409260133	vrushti1999@gmail.com	Vrushti
5	Utsav Pandya	7874552785	utsavpandya99@gmail.com	Utsav
6	Sakshie Gaur	9909381876	rekhapgaur11feb@gmail.com	Sakshie
7	CHAUHAN ABHISHEKSINGH	7048808753	chauhanabhisheksingh219@gmail.com	Abhishek
8	Mitt J Parmar	9978658113	mittparmar10@gmail.com	Mitt
9	Swati Pandita	9574307736	swatipandita99@gmail.com	Swati
10	Kaushik Tarsariya	9727343582	kaushiktarsariya297@gmail.com	Kaushik
11	Shristy Singh	7043884177	shristy.singh98@gmail.com	Shristy
12	Ram Thakkar	7096319053	thakkarram.1599@gmail.com	Ram
13	Neel Solanki	7587002467	neel/solanki@gmail.com	Neel
1	Jeelkumar Sureshbhai Patel	9978967336	jeelpatel2310@gmail.com	Jeel
2	Nishita	8140266789	nishitamaihotra52@gmail.com	Nishita
3	Rutu Patel	7069986686	rekhapgaur11feb@gmail.com	Rutu
4	Maulik Beladiya	7069311313	maulikbeladiya901@gmail.com	Maulik
5	Umang Savani	9512669756	umangsavani94294@gmail.com	Umang
6	Surati Parth	9669704330	suratiparth4@gmail.com	Surati
7	Gopal Sakhalin	7567019391	gopalsakhalin5@gmail.com	Gopal
8	Akash Jikadra	7405429147	akashjikadra123@gmail.com	Akash
9	PANCHAL LOYESHKUMAR AMBALAL (ASSISTANT TEACHER) Higher Secondary	9924133057	lap23675@gmail.com	Panchal
1	Nikhil Patil (Production)	7874754535	nikhilpatil073@gmail.com	Nikhil
1	Jenish Shah (Mechanical)	8511174224	jenishshah28042000@gmail.com	Jenish
2	Dansh Shah (ME)	9409393334	shahdansh20299@gmail.com	Dansh
COMPUTER				
1	Janardan Pethani	9913491684	j.pethani11@gmail.com	Janardan
2	Vimarsh Rathod	8155915134	vimarshrathod23@gmail.com	Vimarsh
3	Meet Patel	8155819402	meet.r.patel2000@gmail.com	Meet
4	Parv Parikh	9033182935	parv519@gmail.com	Parv
5	Dhruvik Kotecha	7228020768	dhruvikotecha@gmail.com	Dhruvik
6	Sahil Vhora	9106093843	siddikvhora951@gmail.com	Sahil
7	Rathod Darshan	9081030964	d8140946461@gmail.com	Rathod
8	Harshal Patel	9723998970	patelharsha8699	Harshal
9	Dinesh Chandra chavda	7285098857	dineshchavda23103@gmail.com	Dinesh
10	More Chetan	7600489857	hichetanmore@gmail.com	More
11	JAY PANSURIYA	966430584	pansuriya.jay7254543@gmail.com	Jay

- **Valedictory Workshop Photos**



At the end of the event , Prof. Gaurang Sharma from Electrical Department presented a Certificate to Ms. Darshita Patel

Prof. Gaurang K Sharma

(Event Coordinator)

Prof. Darshan C Dalwadi

(IEEE Coordinator)

*****The End*****



2019-2020 ANNUAL REPORT

IEEE BVM STUDENT BRANCH

BVM Engineering College

(An Autonomous Institution)

Managed by Charutar Vidya Mandal



Table of Contents

Summary of Events	3
Description of the Events.....	5
International Tech Conclave (ITC) 2020.....	5
Virtual Visit on Modern Physics (VVMP) 2020.....	10
National Symposium on Futuristic Technologies (NSFT) 2019	19
Blogathon: Personal Development for Smart People.....	24
Destiny of Game Makers 1.0 (DOGM) 2020	26
IEEE Xplore User Awareness Session on Cisco WebEx.....	28
Basics of Cyber Security Field, Awareness & Career Path	29
Awaken the Entrepreneur Within You.....	30
Big Data, Business Analytics & Artificial Intelligence: A WebEx Approach	31
Code Mania: An Open Competition.....	32
Effectively and efficiently utilizing IEEE Xplore platform for Academics & Research	33
Learning of Linear Algebra through Models	34
Industrial Visit to BSNL Telecom, V.U. Nagar, Anand	35
Making of Project Report, Poster and Presentation Effectively	36
Visit to Sampark 2020	37
Visit to Computer Society India Symposium (CSIS) 2019.....	39
Visit to "Vadodara Smart City Command & Control Centre and GTU Incubation Centre	41
Skillsets Required for Engineers.....	42
Expert Lecture on Modeling of Antenna using ANSYS & HFSS Software.....	43



Summary of Events

Title of the Event	Date Of the Event	Total Participants	Male Faculty Participants	Female Faculty Participants	Male Students Participants	Female Students Participants
Modelling of Antenna using ANSYS and HFSS Software	06/07/2019	25	0	0	18	7
Skill Sets for Engineers	13/07/2019	25	0	0	18	7
Visit to Vadodara Smart City - Command Centre & GTU Incubation Centre	20/07/2019	44	4	0	33	7
Visit to Computer Society India Symposium (CSIS) 2019	26/07 to 30/07/2019	12	0	0	12	0
National Symposium on Futuristic Technologies (NSFT) 2019	3/10 to 4/10/2019	326	13	6	198	109
Visit to Sampark 2020	05/01/2020	22	1	0	19	2
Making of Project Report, Poster and Presentation Effectively	08/02/2020	19	0	0	17	2
Visit to BSNL Telecom V.U. Nagar, Anand	29/02/2020	17	2	0	11	4
Learning of Linear Algebra through Models	29/02/2020	47	0	0	35	12



Effectively and Efficiently utilizing the IEEE Xplore platform for Academics & Research	27/02/2020	45	0	0	32	13
Code Mania: An Open Competition	06/03/2020	39	0	0	34	5
Big Data, Business Analytics & Artificial Intelligence	29/03/2020	245	11	7	142	85
Awaken the Entrepreneur Within You	17/04/2020	168	10	7	95	56
Basics of Cyber Security Field, Awareness & Career Path	12/04/2020	178	14	9	98	57
IEEE Xplore User Awareness Session on WebEx Meetings	02/04/2020	140	10	8	76	46
International Tech Conclave (ITC) 2020	25/04 to 30/04/2020	22000	2500	500	12000	7000
Destiny of Game Makers 1.0 (DOGM) 2020	06/06 to 09/06/2020	616	24	9	468	115
Virtual Visit on Modern Physics (VVMP) 2020	05,06,07,12 & 13/09/2020	600	84	57	247	212



Description of the Events

International Tech Conclave (ITC) 2020

Introduction: IEEE BVM SB had organized an online flagship event **International Tech Conclave – ITC 2020** during the period of **26th April 2020 – 30th April 2020**. For this mega event, we had a total of **6 International and National Speakers** covering all the technical and necessary domains of Engineering. We aim to enrich the students and academic professionals alike with topics on Small Spacecraft Technologies and Kepler's Mission, Technology Trends and Challenges, Data Analysis Trends and Future, Futuristic Radiation based Space Technology, The Smart Cities of Tomorrow and Machine Learning for Solar Energy Technologies.

Objective: The conclave focuses on **“Driving People from Darkness to Light”**, during the unprecedented time of the worldwide pandemic. There were around 20000 participants from different International Universities and countries like United States, Canada, UK, Australia and many more.

About the event: The idea for the conclave was born during the time of the Coronavirus pandemic, where we aim to enrich the students and academic professionals alike with below trending topics:

1. 'Technology Trends and Challenges' by **Ms. Jyotika Athavale** from **Intel Corporation**.
2. 'Small Spacecraft Technologies and Kepler Mission' by **Mr. Roger Hunter** from **NASA**.
3. 'Data Analysis Trends and Future' by **Mr. Venkat Raju** from **U C Berkeley**.
4. 'Futuristic Radiation based Space Technology' by **Ms. Archana Sharma** from **CERN**.
5. 'The Smart Cities of Tomorrow' by **Mr. Farid Khan** from **IEEE South Asia Smart Village USA**.
6. 'Machine Learning for Solar Energy Technologies' by **Dr. Eroshenko Stanislav Andreevich** from **Ural Power Engineering Institute, Russia**.

Academic Partners: To increase the quality of our Conclave we had academic partners as TEQIP, NPIU and Ural Federal University of Russia who helped us in every step to increase the growth of our event and also at the same time value the work done by our members for the same.

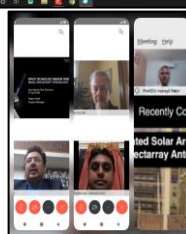




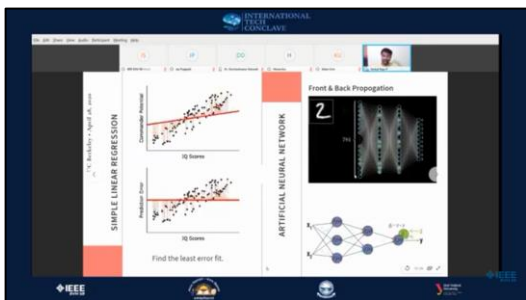
Glimpses of International Tech Conclave 2020



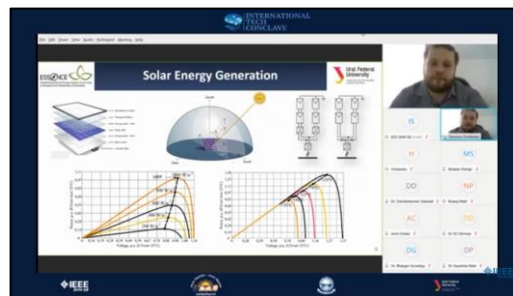
Ms. Jyotika Athavale delivering session on Technology Trends & Challenges



Mr. Roger Hunter delivering session on Small Space Crafts & Kepler Mission



Mr. Venkat Raju delivering session on Data Analytics Trends & Future



Dr. Eroshenko Stanislav delivering session on Solar Energy Forecasting Using Machine Learning



**Dr. Archana Sharma delivering session on
Futuristic Radiation Based Space
Technology**



**Mr. Farid Khan delivering session on The
Smart Cities of Tomorrow**

Video	Traffic source	Geography	Viewer age	Viewer gender	Date	Subscription status	Subscription s
Geography				+	Views ↓	Average view duration	Watch time (hours)
<input type="checkbox"/>	India			11,543	57.6%	7:24	1,423.9 71.8%
<input type="checkbox"/>	United States			636	3.2%	6:29	68.8 3.5%
<input type="checkbox"/>	Philippines			176	0.9%	2:51	8.4 0.4%
<input type="checkbox"/>	Indonesia			162	0.8%	1:50	5.0 0.3%
<input type="checkbox"/>	Pakistan			113	0.6%	1:28	2.8 0.1%
<input type="checkbox"/>	Russia			111	0.6%	6:34	12.2 0.6%
<input type="checkbox"/>	United Kingdom			100	0.5%	4:01	6.7 0.3%
<input type="checkbox"/>	Thailand			84	0.4%	3:00	4.2 0.2%
<input type="checkbox"/>	Vietnam			74	0.4%	1:39	2.0 0.1%
<input type="checkbox"/>	Mexico			67	0.3%	1:06	1.2 0.1%
<input type="checkbox"/>	Bangladesh			66	0.3%	3:19	3.7 0.2%
<input type="checkbox"/>	Australia			55	0.3%	8:22	7.7 0.4%
<input type="checkbox"/>	Malaysia			52	0.3%	1:56	1.7 0.1%
<input type="checkbox"/>	United Arab Emirates			42	0.2%	1:07	0.8 0.0%

Geographical Statistics of viewers on YouTube Live of ITC 2020



Team of International Tech Conclave 2020

Faculty Team

SR. NO.	Name	Designation
1)	Dr. Indrajit Patel	Principal, BVM Engineering College
2)	Dr. Jagdish Rathod	Faculty Advisor, IEEE BVM SB
3)	Dr. Darshan Dalwadi	Branch Counselor, IEEE BVM SB Coordinator, ITC 2020
4)	Mr. Vimal Maruvada	Academic Collaboration Partner
5)	Mr. Yana Vysotskaia	Academic Collaboration Partner
6)	Dr. Bhargav Goradiya	Team Member
7)	Dr. S. D. Dhiman	Team Member
8)	Dr. Kaushika Patel	Team Member
9)	Dr. Mukesh Shimpi	Team Member
10)	Dr. Rashesh Mehta	Team Member

Core Team - ITC 2020

SR. NO.	Name	Designation
1)	Yagnik Mehta	Organizing Team Lead
2)	Devansh Parikh	Organizing Team Mentor
3)	Kedar Patel	Organizing Team Mentor
4)	Nisarg Patel	Organizing Secretary
5)	Shreyans Patel	Organizing Secretary
6)	Himanshu Thacker	Technical Communications Lead
7)	Parth Shah	Finance Lead
8)	Shivam Dalsaniya	Webmaster
9)	Harsh Navadiya	Design & Graphics Lead
10)	Deep Sakhiya	Design & Graphics Lead
11)	Rudrax Dave	Public Relations Lead
12)	Kruti Kamdar	Documentation Lead
13)	Vatsal Shah	Documentation Lead
Documentation Team		
14)	Gaurav Barve	Team Member
Web Team		
15)	Jaimin Shimpi	Team Member
16)	Zeelraj Mahida	Team Member
17)	Sneh Trivedi	Team Member
18)	Khanjan Marthak	Team Member
19)	Neel Macwan	Team Member



Design & Graphics Team		
20)	Aditya Shah	Team Member
21)	Stutee Dave	Team Member
Technical Communications Team		
22)	Dhruv Pokar	Team Member
23)	Ibrahim Koicha	Team Member
24)	Jay Prajapati	Team Member
25)	Galav Bhatt	Team Member
Publicity Team		
26)	Venu Upadhyay	Team Member
27)	Fenil Goghari	Team Member
28)	Atharva Bhav	Team Member
29)	Drashti Shah	Team Member
30)	Dhruv Patel	Team Member
31)	Shubh Suthar	Team Member
32)	Het Patel	Team Member
33)	Umag Patoliya	Team Member

Public Relations Team		
34)	Nirbhay Chaplot	Team Member
35)	Harsh Modi	Team Member
36)	Chintan Pandya	Team Member

Scan for ITC Playlist:



Scan for BVM Engineering College Website:



Scan for IEEE BVM SB Website:





Virtual Visit on Modern Physics (VVMP) 2020



Virtual Visit on Modern Physics 2020

Objective: The overall theme focused on enhancing knowledge of students and academic professionals in various the domains of Modern Physics like Nuclear & Plasma Sciences, Space Technologies, & Renewable Energy, etc. Around **600 participants worldwide** registered themselves in these virtual visit sessions.

About the event: IEEE BVM SB organized its yet another flagship event under the '*IEEE NPSS - Nuclear & Plasma Sciences Society*' known as '*Virtual Visit on Modern Physics - VVMP 2020*' on 5, 6, 7, 12 & 13 September 2020. In this unprecedented time of the pandemic, going beyond physical boundaries with the modern-day technology and explore with experts from the finest Laboratories / Institutions around the world.

Highlights of Expert Speakers & Tracks:

Speaker Name	Working Lab / Institution	Track	Session Date	Session Timings (IST)
Dr. Goutam Chattopadhyay	Senior Scientist, NASA - JPL	Terahertz Radar Technology	5th September 2020	9:30 A.M.
Dr. Arvind K. Singh	Senior Scientist, ISRO, Ahmedabad, India	"Astrosat"- India's First Mission on Space	6th September 2020	11:30 A.M.
Dr. Matthew Greenhouse	Astrophysicist at NASA Goddard Space Flight Centre	James Webb Space Telescope	6th September 2020	8:00 P.M.
Dr. Steven Goldfarb with Dr. Clara Nellist	Researchers at ATLAS Experiment, CERN	Visit to ATLAS Experiments at LHC	7th September 2020	5:30 P.M.
Ms. Cathy Suo	Head of Division (Wind Energy System) at DTU (Technical University of Denmark)	Wind Energy System at DTU	12th September 2020	1:00 P.M.
Dr. Ligia Diana Amorim	Postdoctoral Scholar, Lawrence Berkeley National Laboratory	Plasma Based Technology for Future Particle Colliders	13th September 2020	9:30 A.M.



REGISTRATION FEES STRUCTURE

CATEGORY	IEEE MEMBERS	NON-IEEE MEMBERS
STUDENTS	20/- INR	40/- INR
ACADEMICIANS	50/- INR	

PANEL OF SPEAKERS AT VVMP 2020

Virtual Visit on Modern Physics 2020

Guest Speakers

Dr. Goutam Chattopadhyay
Senior Scientist, NASA - JPL
TERAHERTZ RADAR TECHNOLOGY

Dr. Steven Goldfarb with Dr. Clara Nellist
Researchers at ATLAS Experiment, CERN
VIRTUAL VISIT TO ATLAS EXPERIMENTS AT LHC

Dr. Arvind K. Singh
Senior Scientist, ISRO
ASTROSAT

Dr. Matthew Greenhouse
Astrophysicist, NASA Goddard
Space Flight Centre
JAMES WEBB SPACE TELESCOPE

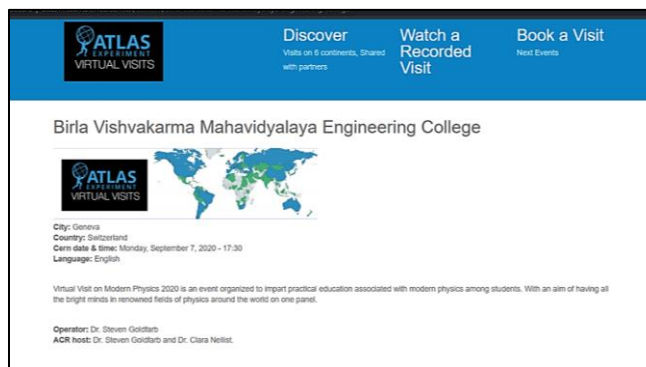
Dr. Ligia Diana Amorim
PhD, Postdoctoral Scholar,
Lawrence Berkeley National Laboratory
PLASMA BASED TECHNOLOGY FOR FUTURE PARTICLE COLLIDERS

Ms. Cathy Suo
HOD (Wind Energy System)
DTU Wind Energy
WIND ENERGY SYSTEM AT DTU

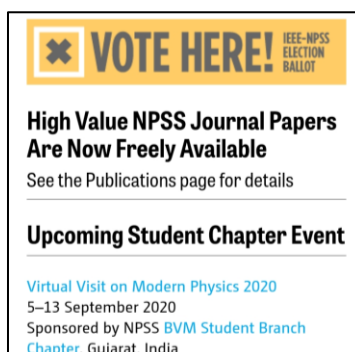
www.ieee.org/bvmsb
 /ieeebvm
 /@ieee_bvm
 /@ieeebvm
 /IEEE BVM SB



Feature of VVMP on International Platforms



Feature on Outreach page of ATLAS Experiment VIRTUAL VISITS (CERN)



Feature on NPSS Website in Upcoming Event Section

Inauguration of Virtual Visit on Modern Physics 2020

The Inaugural Ceremony of Virtual Visit on Modern Physics 2020 began with **Dr. Indrajit Patel, Principal, BVM Engineering College** gracing the ceremony with his kind words. He motivated the audience to enhance their knowledge and explore the arena of Modern Physics through these sessions. He wished everyone a Happy Teacher's Day as it was 5th of September. He welcomed the Guest Keynote Speaker Dr. Goutam Chattopadhyay. Next, **Dr. Jagdish Rathod, Faculty Advisor, IEEE BVM SB** gave remarks on the topic and welcomed the speaker. Further, **Dr. Darshan Dalwadi, Branch Counsellor, IEEE BVM SB** greeted everyone and described about the theme of event. **Dr. Tanmay Pawar, Head, Electronics Dept., BVM Engineering College** introduced the speaker and briefed his work profile.



[Click Here!](#) to watch the Session 1 of VVMP 2020
Terahertz Radar Technology by Dr. Goutam Chattopadhyay

Event Details

Session 1 began with **Dr. Goutam**, Senior Scientist from NASA's Jet Propulsion Laboratories, explaining terahertz frequency and its applications in different devices, for military applications for searching weapons and in astrophysics used for searching water molecules in different planetary bodies of our solar system.

Session 2 commenced with Deputy Project Director of 'AstroSat' mission, **Dr. Arvind K. Singh** explaining how the first ever India's mission to space used different technologies like Multi-wavelength Satellite, Soft X-ray telescope, Ultraviolet Detection System and different technical devices.

Session 3 began with **Dr. Matthew Greenhouse**, Astrophysicist at NASA's Goddard Space Flight Centre involved in the **James Webb Space Telescope**, showing various technologies used in JWST. He also showed behind the scenes of the project directly from their Laboratories and center.

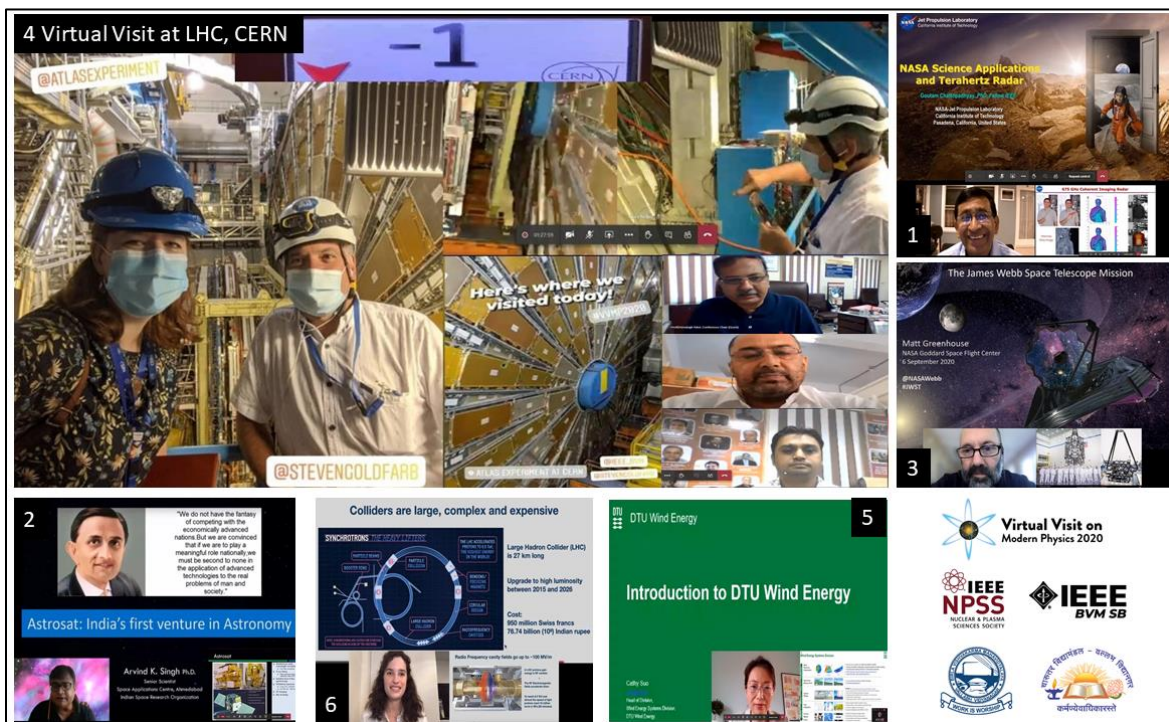


Session 4 and the Keynote session for the event, began with **Dr. Steven Goldfarb & Dr. Clara Nellist, Particle Physicists conducting A Live Visit to ATLAS Experiments at Large Hadron Collider, CERN** which is world's largest and highest-energy particle collider and the largest machine in the world. A visit to underground labs with an aim of imparting the practical knowledge among candidates in order to understand the experiments going in modern areas of particle physics.

Session 5 began with **Ms. Cathy Suo currently working as Head of the Division, Wind Energy System** describing significant role of renewable energy, its benefits, challenges and compatibility of the Wind Energy System was described in the session. She showed some of the models and described them briefly, developed by the DTU Wind Energy and the models do give satisfying level of accuracy.

Session 6 began with **Dr. Ligia Diana Amorim working as Postdoctoral Scholar** explained the need of Plasma based Technology and its compatibility in terms of the technique for accelerating charged particles, such as electrons, positrons, and ions, using the electric field associated with electron plasma wave or other high-gradient plasma structures.

GLIMPSES OF THE EVENT





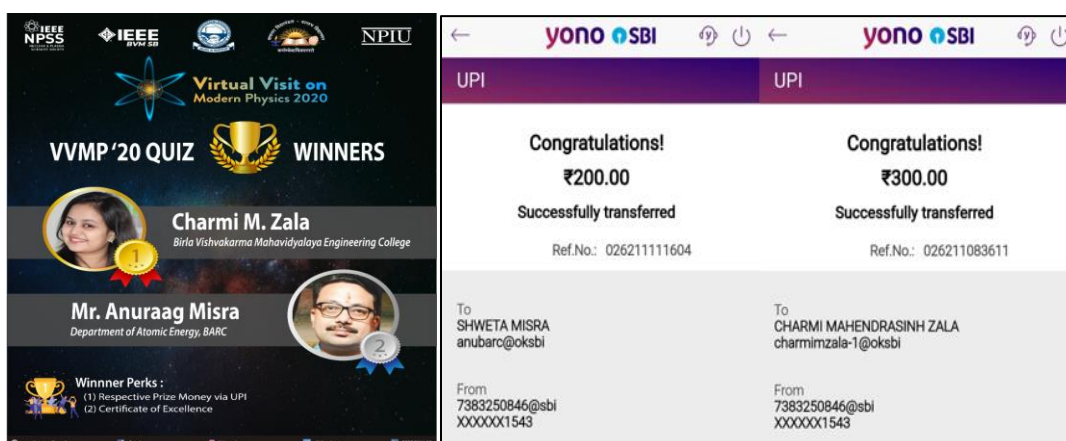
VVMP Ambassador Program

Team VVMP conducted an Ambassador Program for elevating the reach of the event in different students as well as professional communities and engage maximum number of people with the event from different parts of the world.

In response to which, total of 66 Ambassadors from different parts of the country and some parts of foreign countries were engaged with us. As a gesture of appreciation, the Top 3 Ambassadors evaluated by their performances were awarded with **Cash Prizes** and **Certificate of Achievement**. Following are the **Top 3 Performers of VVMP Ambassador Program**.

Rank	Name of Ambassador
1	Swetal Patel
2	Achal Kandoi
3	Dhruvil Nakum

Winners of Quiz at VVMP'20



E-Receipt of Prize Money transferred to the Winners of Quiz



Team of Virtual Visit on Modern Physics 2020

Faculty Team

SR. NO.	Name	Designation
1)	Dr. Indrajit Patel	Principal, BVM Engineering College
2)	Dr. Jagdish Rathod	Faculty Advisor, IEEE BVM SB
3)	Dr. Darshan Dalwadi	Branch Counselor, IEEE BVM SB
4)	Dr. Bhargav Goradiya	Team Member
5)	Dr. S. D. Dhiman	Team Member
6)	Dr. Mukesh Shimpi	Team Member
7)	Dr. Keyur Brahmabhatt	Team Member
8)	Dr. Vatsal Shah	Team Member

Core Team - VVMP 2020

SR. NO.	Name	Designation
1)	Yagnik Mehta	Organizing Team Mentor
2)	Devansh Parikh	Organizing Team Mentor
3)	Kedar Patel	Organizing Team Mentor
4)	Nisarg Patel	Organizing Team Mentor
5)	Shreyans Patel	Organizing Team Mentor
6)	Parth Shah	Organizing Team Mentor
7)	Himanshu Thacker	Organizing Team Mentor
8)	Rudrax Dave	Organizing Student Lead
9)	Vatsal Shah	Organizing Secretary
10)	Galav Bhatt	Organizing Co-Lead
11)	Gaurav Barve	Organizing Co-Lead
12)	Dhruv Pokar	Organizing Co-Lead
13)	Harsh Navadiya	Design & Graphics Mentor
14)	Deep Sakhiya	Design & Graphics Mentor
15)	Jaimin Shimpi	Design & Graphics Lead
16)	Zeelraj Mahida	Web Team Lead
17)	Ibrahim Koicha	Publicity Lead
18)	Venu Upadhyay	Publicity Lead
19)	Atharva Bhav	Publicity Lead



Documentation Team		
20)	Yash Tibra	Team Member
21)	Om Shukla	Team Member
22)	Kinnaree Shah	Team Member
23)	Jay Dave	Team Member
24)	Pranav Shah	Team Member

Web Team		
25)	Sneh Trivedi	Team Member
26)	Khanjan Marthak	Team Member
27)	Hit Patel	Team Member

Design & Graphics Team		
28)	Stutee Dave	Team Member
29)	Mansi Patel	Team Member
30)	Aditya Shah	Team Member
31)	Shruti Jha	Team Member
32)	Nitya Parikh	Team Member
33)	Aastha Gupta	Team Member

Publicity Team		
34)	Jay Goswami	Team Member
35)	Keivalya Pandya	Team Member
36)	Shubh Suthar	Team Member
37)	Vaidehi Shah	Team Member
38)	Arya Mehta	Team Member
39)	Jay Prajapati	Team Member
40)	Chintan Pandya	Team Member
41)	Rutvik Maheshwari	Team Member
42)	Aastha Gupta	Team Member
43)	Vatsal Mataliya	Team Member
44)	Shailesh Bambhaniya	Team Member
45)	Kishan Thakkar	Team Member
46)	Keyur Patel	Team Member
47)	Dhruvil Modh	Team Member
48)	Het Patel	Team Member
49)	Vikas Mathur	Team Member
50)	Jigar Solanki	Team Member
51)	Prit Vadaliala	Team Member



52)	Vaishvi Goswami	Team Member
53)	Bhakti Patel	Team Member
54)	Arka Ghosh	Team Member
55)	Abhishek Raghuvanshi	Team Member
56)	Pankti Shah	Team Member
57)	Abhilasha Tiwari	Team Member



Team IEEE BVM Student Branch
Birla Vishvakarma Mahavidyalaya Engineering College
Vallabh Vidyanagar, Anand, Gujarat. PIN – 388120



National Symposium on Futuristic Technologies (NSFT) 2019

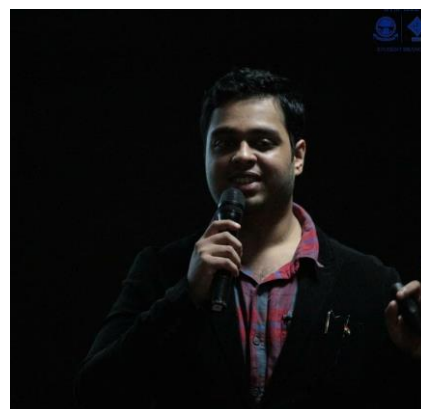
Objective: The symposium's theme is on delivering advanced knowledge for the futuristic technologies in the domain of Business Technologies, Cloud Computing, Information Technology, High-Speed Travel, Internet of Things, Space Technologies, Cyber Security, Machine Learning, Smart Villages, etc. The symposium was organized by IEEE BVM SB under the guidance of **Dr. Jagdish Rathod, Dr. Darshan Dalwadi & Dr. Mukesh Shimpi** who were the Convener, Organizing Secretary & TEQIP Coordinator respectively of National Symposium on Futuristic Technologies. Total Eight speakers were there to share their knowledge and experience with delegates.

About the event: Day1 starts with Inauguration ceremony of the event commenced on October 3, 2019 at 10:00 AM with prayer and lightning of lamp. **Dr. Indrajit Patel**, Principal, BVM graced ceremony and welcomed everyone to the venue. **Er. Prayasvin Patel, CMD Elecon Group of Companies, Chief Guest of the function** motivated delegates with his enlightening thoughts. **Er. Bhikhubhai Patel, Chairman, Charutar Vidya Mandal** and the President for the symposium gave his blessings to all delegates and encouraged them towards building a brighter and prosperous future. Then after, there was an inauguration of **ELARC LAB**. This lab was inaugurated at **10:45 am**. **Mr. Nihar Raj is Vice President at ABB Ltd (Power Consultancy)**. He delivered an informative, interactive and innovative session on Electrifying Vehicles at **11:00 am**. **Dr. Shiv Mohan** delivered an informative session on **Remote Sensing & Space Technologies** at **11:45 am**. **Ms. Namrata Doshi** delivered the marvelous session on **Smart Home Solutions** at **2:00 pm**. It was the last, but most definitely not the least, session of the day. **Mr. Siddharth Rajhans** has served as the **United Nations Policy officer**. He delivered the talk on **Specifying the Internet** at **4.00pm**.

The Day-2 was started with the wonderful session of **Mr. Subodh Gajare, Senior Architect, Cisco R&D Centre, Bangalore** has over 25 years of experience in the IT and telecom industry. He delivered his beautiful session on the **Future with 5G** at **9:00 am**. **Mr. Vikram Naresh Chaudhary is the Chairman and Managing Director of the Council of Information security**, Instructor at Military College of Telecommunication Engineering. He delivered his session on **Cyber Threats & Future Landscape** at **11:00 am**. **Mr. Vivek Sharma** is the Founder and CEO of Kingster636 Games, and is also a Unity Expert and an AR/VR Specialist. He delivered the session on **Virtual Reality (VR)** as well as Augmented Reality & Mixed Reality at **2:00 pm**. **Mr. Ankur is the Liaison Officer for Strategic Operations under the South Asia Working Group (IEEE Smart Village Community)**. He delivered his session on **Smart Villages to Smart Nation** at **5:00 pm**. After completion of the entire symposium, the coordinators of this Symposium were appreciated for their work with a memento. Finally, with great joy & pleasure, the event was concluded by having a last beautiful photo of the NSFT'19 TEAM.



GLIMPSES OF NSFT 19





DELEGATES AT BVM AUDITORIUM



National Symposium on Futuristic Technologies

NT FT

- ~ IEEE BVM's Flagship Event.
- ~ Hosted 8 distinguished speakers Expertised in 8 Domains.
- ~ Over 400+ participants [Students & Faculties] .

[3rd & 4th October]

ORGANIZING TEAM



Team of NSFT 2019

Faculty Team

SR. NO.	Name	Designation
1)	Dr. Indrajit Patel	Principal, BVM Engineering College
2)	Dr. Jagdish Rathod	Faculty Advisor, IEEE BVM SB Convener, NSFT 2019
3)	Dr. Darshan Dalwadi	Branch Counselor, IEEE BVM SB Organizing Secretary, NSFT 2019
4)	Dr. Mukesh Shimpi	Event Coordinator, NSFT 2019
5)	Dr. Rajvirsinh Rana	SSIP Coordinator, NSFT 2019

Core Team – NSFT 2019

SR. NO.	Name	Designation
1)	Devansh Parikh	Organizing Team Lead
2)	Yagnik Mehta	Organizing Team Lead
3)	Kedar Patel	Organizing Team Lead
4)	Nisarg Patel	Technical Communications Lead
5)	Shreyans Patel	Technical Communications Lead
6)	Parth Shah	Marketing Lead
7)	Rudrax Dave	Marketing Lead
8)	Shivam Dalsaniya	Website Lead
9)	Neel Macwan	Website Lead
10)	Zeelraj Mahida	Webmaster
11)	Jaimin Shimpi	Webmaster
12)	Harsh Navadiya	Design Lead
13)	Deep Sakhiya	Design Lead
14)	Darshit Vyas	Public Relations Lead
15)	Rahul Hadiya	Public Relations Lead
16)	Akhil Rabadiya	Finance Lead
17)	Vatsal Shah	Documentation Lead
18)	Harsh Modi	Inventory Lead
19)	Dhaval Kambaliya	Sponsorship Lead
20)	Pritul Makadiya	Sponsorship Lead
21)	Darshan Panchal	Food Team Lead
22)	Jayraj Bhadkan	Food Team Lead
23)	Smit Bhagiya	Food Team Lead
24)	Brijesh Vekariya	Decoration Team Lead



Scan for NSFT Website:



Scan for BVM Engineering College Website:



Scan for IEEE BVM SB Website:





Blogathon: Personal Development for Smart People



Objective: Team IEEE BVM SB planned to organize an online flagship event "**Blogathon: Personal Development for Smart People**", A National Level Blog Writing Competition. This event went live from **26 April 2020** to **6 May 2020**. This event was specially organized to promote professionalism amongst the students and spread awareness about blog writing. Not only it will help them understand the **formal approach to write a methodological or fictional piece of literature but also sharpen their skills in terms of creativity**. Last but not least, **Team IEEE BVM SB** has planned to carry out a novel act by donating all the profit earned by this competition towards the **PM CARES Fund** to help our **Prime Minister** by adding to the tireless efforts made by him.

About the event: A Pre-Event Training session was organized called '**Blog Talk**' in order to provide the participants an insight about '**How to write and publish a Blog**' with basic content writing skills. The webinar was organized on **1st May 2020**. **Mr. Vaibhav Shah** is a scientific & affiliate blogger. He is also a brand ambassador of Kenzus street wear. The session began with a warm welcome by **Dr. Darshan Dalwadi** to the speaker. In part 1 of session, various tips and thumb rules for writing a decent blog were addressed. In part 2, session concluded with a question and answer session.

The registration period for the event was from **26th April 2020** to **2nd May 2020**. The submission portal was open from **30th April 2020** to **3rd May 2020** to allow participants submit their blogs. Later on, from the **4th May**, the review started. On **6th May**, the result declaration took place. To participate in this event the students had to pay **Rs.50/-** & for the rest of participants the fees was **Rs.100/-**. To promote this event at a greater scale, we had invited famous bloggers from across the country. After the blog had been submitted there was a review process of all the blogs which was done by the judges. The review process was categorized into 3-Phases which helped to filter out the best blog amongst all. The results were declared through mails. The top three blog from each category got an assured prize, feature on IEEE BVM Website & IEEE BVM New Letter. All blogs will be awarded by an acknowledgement certificate.



Summary of Registration Details

Participant Category	Count
Student	114
Faculty	7
Other Participant	6
BVM Alumni	1

Results & Awards of Blogathon

We thank the faculty members **Dr. J. M. Rathod, Dr. Sandeep Unadkat, Dr. Namita Sathe, Dr. Prakash George, Mr. Pranav Bhatt** who were present in the review panel and scrutinized the blogs based upon various parameters to select the best 3 blogs from both categories: Technical & Non-Technical. The results were declared on the IEEE BVM SB – Blogathon website on 6th May 2020 at 2:00 PM afternoon. All the faculty and student members congratulated the winners.

As a gesture of appreciation and part of award, the **Top 3 blogs** from **both: Tech & Non Tech category** will be featured on **IEEE BVM Website & IEEE BVM Newsletter** and will be awarded with a **Framed Certificate of Achievement**. The rest participants who actively participated and published their blogs would be awarded with an **E-certificate of Appreciation** as a gesture of motivation. As mentioned above, after the lockdown circumstances due the pandemic would be over, the certificates would be handed over to each of them.

Payment Details

Transaction Details	Amount (INR)
Ticket Sale	7100
Town Script Charges	1844.1
Received In-Hand from Town Script	5255.9
Logistics expenses	1000
Amount Donated to PM CARES Fund	4256



Destiny of Game Makers 1.0 (DOGM) 2020

Objective: To reach all those students who are interested in this domain and to provide a big opportunity to learn and expand their knowledge in the field of Game Development. The idea for the D.O.G.M. was born by seeing the popularity of games like PUBG, Call of Duty, Clash of Clans, etc. among the youths.

About the event: The event was conducted in three phases: First, a series of pre-event web training sessions, in which the expert from the domain of game development guided, demonstrated, and taught the participants. After acquiring the basic tools, the participants had to build the assigned task to them and compete with each other. In conclusion, the submissions were assessed and evaluated by the panel of experts.

Expert Speakers: Mr. Shourya Srivastava, Co-founder, Unicorn Gaming Hub and Mr. Avnish Gupta & Mr. Ayush Yadav, Game Developers, Unicorn Gaming Hub

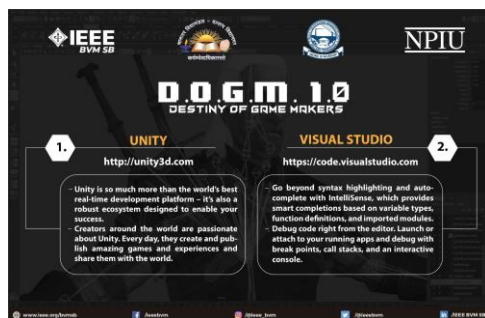
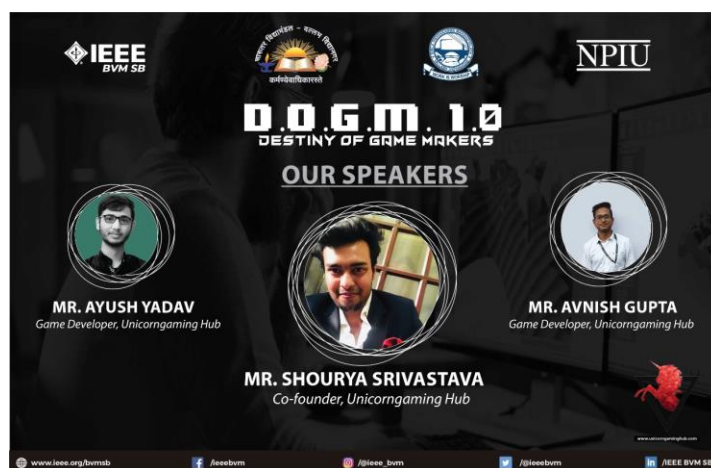
Inauguration of D.O.G.M. 1.0: The event started off with a warm welcome speech from Dr. Indrajit Patel, Principal, BVM Engineering College. He graced the occasion by welcoming the expert of the session. Dr. Jagdish Rathod, Faculty Advisor, IEEE BVM SB welcomed all the participants in the session and gave wishes to the team for organizing such a creative event. Dr. Darshan Dalwadi, Branch Counselor, IEEE BVM SB felicitated the speaker with his kind words and expressed a vote of thanks. Mr. Shourya Srivastava and motivated the participant students to attend all the sessions of the event with enthusiasm. He extended gratitude to the team for inviting him. Our expert discussed their start-up unicorn gaming hub where they created two hyper-casual games, 5 AR-based games, and also, they are now got into multiplayer games to enhance their E-sport platform.

The Day 2 for the D.O.G.M. 1.0 began with a welcome Speech by Dr. S. D. Dhiman, TEQIP Coordinator, BVM. He welcomed both the experts of the session whole heartedly. Participants were given a brief introduction on Unity Gaming Software Unity Game Engine is already equipped with basic functions. Participants had a guided tour of the whole Unity gaming software which was used.

The Day 3 for the D.O.G.M. 1.0 began with a welcome speech by Dr. Bhargav Goradiya, Head of the Department, Electronics & Communication Engineering. Initially participants were explained what is the job of game designer and how to write a game. Also, they instructed to know that what age category will play your game. Participants were taught how to give animation in game. Also, how conditions are used for animation. How to set-up a game was explained. All complex procedures, methods and use of resources were explained.



The Day 4 for the D.O.G.M. 1.0 began with a welcome speech by Prof. Mayur Sevak, Electronics & Communication Engineering. Our expert started the session with revision what the participants have learnt in last sessions. The session was started with the introduction of Tic-Tac-Toe Game. The expert discussed how can we save and create different scene in the panel. The expert explained how to make the starting screen of the game with two buttons, play game and Exit including all aspects like canvassing, background, script making, coding, etc. A hands-on session was taken on designing the panel/screen for the main game scene then it was discussed how we can code the game controls. Expert explained the complete the coding aspect for the game controls in deep along with the background and graphics.

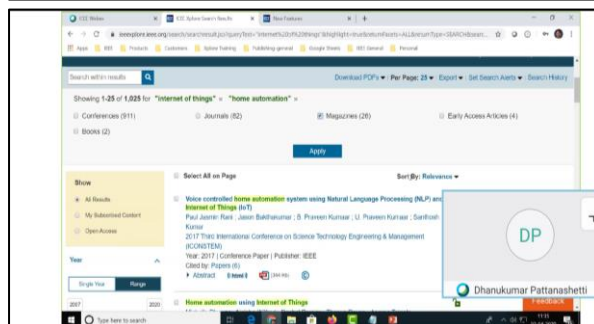
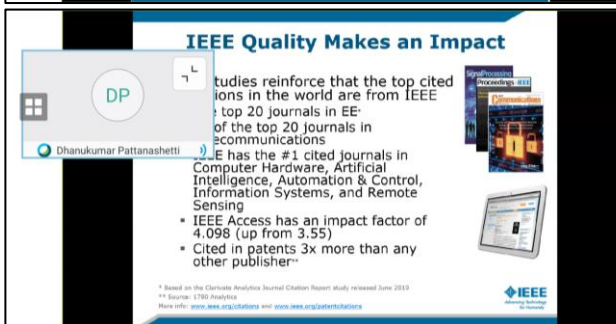
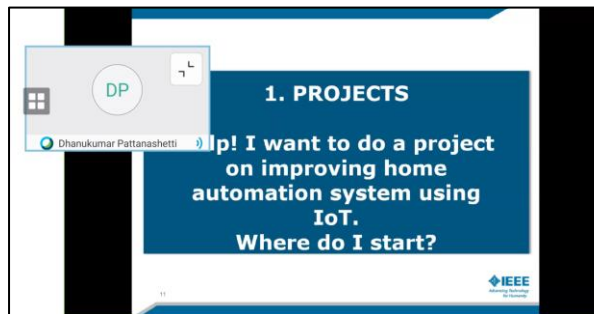
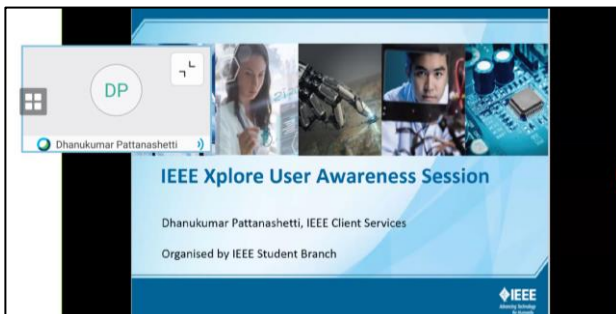




IEEE Xplore User Awareness Session on Cisco WebEx

Objective: The students would be able to utilize various papers and functions of IEEE Xplore digital library and use them in research work. They would also be able to find and filter the correct matter they are looking for. The students, academic professionals would be motivated to write and find the most quality research papers and articles using IEEE Xplore Digital Library. To make aware and explain the students about IEEE Xplore (IEEE Digital Library) and its importance in academics and research work.

About the event: The event started at around 11:00 AM in presence of **Dr. Darshan Dalwadi** with a warm welcome to the expert of the session **Mr. Dhanukumar Pattanashetti** and opening remarks about webinar jointly organized by IEEE Region 10 and IEEE BVM SB. Many students as well as faculties/professionals also took part in this webinar. Then after, detailed explanation and demonstration of IEEE Xplore Digital library was given to students. With the motive to make students understand the basics of writing research paper, the initial process was explained. Various aspects such as IEEE Author Centre, Early access articles, Citation Alerts were explained. In the conclusion, the expert with his closing remarks explained the importance of research in technology field and how IEEE Xplore Digital Library can be a great resource for authors.



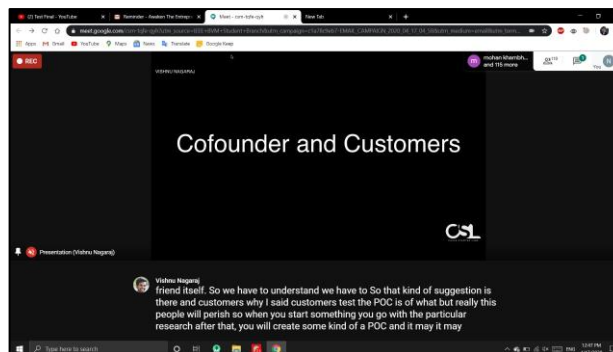




Awaken the Entrepreneur Within You

Objective: To make students get insight and explain about entrepreneurship. Main aim is to motivate the students about advantages and necessities of developing a start-up and develop your ideas into a working model its awareness. The students would be able to understand the basics of entrepreneurship and basics of setting up a business model. They would also be able to find and filter the correct business which is required in order to serve the people of society better.

About the event: The webinar started at around 12:30 PM in presence of **Dr. Indrajit Patel**, Principal, BVM Engineering College, and **Dr. Darshan Dalwadi** with a warm welcome to the expert of the session **Mr. Vishnu Nagaraj** and opening remarks about webinar organized by **IEEE BVM SB**. Many students as well as faculties/professionals also took part in this webinar. Information regarding POC was given and how to deal with your customers was explained. Benefits of starting a start-up in college were told to participants. How to do marketing of your start-up at initial stages and grow in organic manner was briefed to everyone. The webinar concluded with a Q&A session and a vote of thanks to the expert.



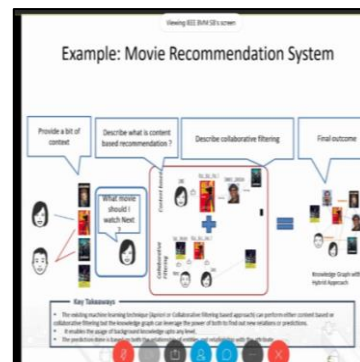
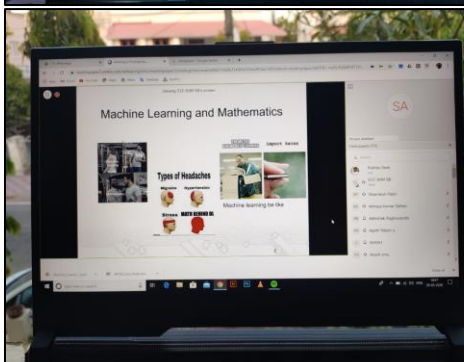
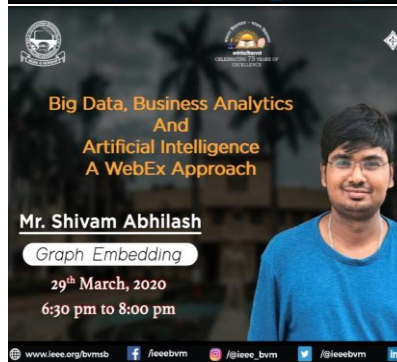
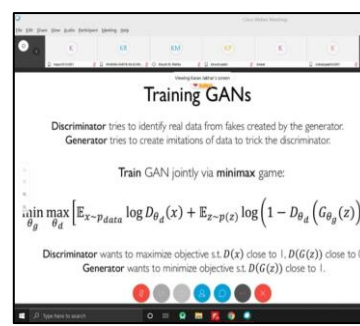
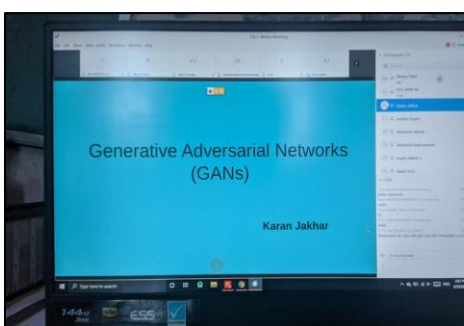


Big Data, Business Analytics & Artificial Intelligence: A WebEx Approach

Objective: To make the students of engineering aware about the emerging fields of big data, business analytics & artificial intelligence and their diversified applications in many real-life problems and to develop solutions. To give basic understanding of generative adversarial networks (GANs) and graph embedding, mathematical solutions and would also get theoretical understanding of artificial intelligence, machine learning and face recognition etc.

About the event: First session of the day began at 2:00 PM. The session started with topic 'Training GANs' via an interesting mathematical game called minimax. 'How the photographs of human faces are generated' was the next topic that was touched upon. How to set some parameters in DCGAN Kaggle & working of Discriminator and Generator were explained.

The second session of the day began at 6:30 PM and participants were excited to explore areas of machine learning after an informative session on GANs. The session started with basics of machine learning and various real life problems were discussed. Concept of Feature engineering was introduced. Application of machine learning using big data was explained by 'Recommendation Using Knowledge Graph'. An open house Q&A session held in which participants raised their doubts regarding ML, AI and its peripheral aspects.

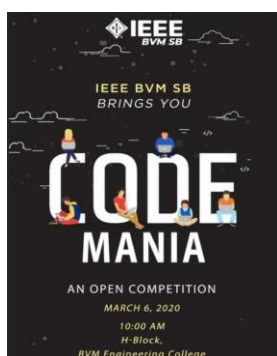




Code Mania: An Open Competition

Objective: To cultivate the fundamental skills of information technology and computer engineering. To improve understanding of different languages like C, C++ and program designing. To improve the working capacity in teams. Working on solutions based on real life problems.

About the event: The event started at around 10:00 AM in the presence of **Dr. Darshan Dalwadi** of BVM to embrace students Fundamentals and sharpen the skills of Information Technology and Computer Engineering- C, C++ and Program Designing. This competition mainly consisted of three rounds: Round 1 - Online Quiz. Round 2 - Solve the error code. Round 3 - Real Life based Problem Solutions, using basic Coding Skills. In all, the event was very informative and participants have learned many things about their understanding on basics of computer languages and their real-life problems along with solutions in different ways.





Effectively and efficiently utilizing IEEE Xplore platform for Academics & Research

Objective: To make aware and explain the students about IEEE Xplore (IEEE Digital Library) and its importance in academics and research work. Main aim is to motivate the students to write research papers and for that how to utilize the library effectively.

About the event: The event started at around 10:00 AM in presence of **Dr. Darshan Dalwadi** with a warm welcome to the expert of the session **Mr. Gorakshanath Upadhyaya** and encouraging the students to write research papers. Then, detailed explanation and demonstration of IEEE Xplore Digital library was given to students. With the motive to make students understand the basics of writing research paper, the initial process was explained. Various aspects such as IEEE Author Centre, Early access articles, Citation Alerts were explained. In the conclusion, a quiz was conducted in which questions were based on features of IEEE Xplore Digital Library. Students actively took part in the quiz. In all, the students would be able to utilize various papers and functions of IEEE Xplore digital library and use them in research work. They would also be able to find and filter the correct matter they are looking for.

Effectively and efficiently utilizing the IEEE Xplore platform for academics & research

Date: 27th February 2020
Time: 10.00 am to 11.00 am
Venue:

Speaker:
GK Upadhyaya
IEEE Certified Trainer
Sr. Training Manager
EBS&CO Information Service
gupadhyaya@ebsco.com

Convener:
Dr. Darshankumar C. Dalwadi,
Associate Professor
Electronics & Communication
Engineering Dept.
BVM Engineering College,
Vallabh Vidyanagar

The **IEEE Xplore** digital library provides access to IEEE journals, transactions, letters, magazines and conference proceedings, IET Journals and conference proceedings, IEEE Standards and IEEE educational courses.

Access URL:- <https://ieeexplore.ieee.org/>

You are invited to learn more about:

- Time saving features for your research using IEEE Xplore Digital Library
- Facets to "drill down" to obtain precision and relevancy (retrieving the right set of articles out of almost 40 lakh full text articles)
- Supplemental items like Media, codes and datasets.
- Keeping track of latest publications in your area
- Interactive HTML article for efficient reading
- Tracking technology trends
- IEEE Data Port, CODE OCEAN
- My Xplore App

and many more!

Participate in IEEE Xplore Quiz and win exciting prizes!!!

IEEEDataPort

IEEE Xplore
CODE OCEAN

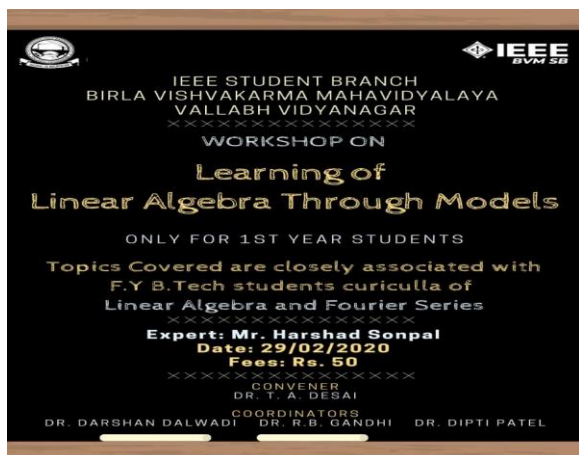




Learning of Linear Algebra through Models

Objective: To cultivate and improve the practical aspects of understanding of linear algebra and Fourier series through models.

About the event: The event started at around 9:45 AM in the presence of **Dr. T. A. Desai, Dr. Dipti Patel, Dr. R. B. Gandhi, Dr. M. E. Shimpi** and **Dr. Darshan Dalwadi** of Birla Vishvakarma Mahavidyalaya, Vallabh Vidyanagar. The topics of discussion were given focus on through models. Their applications in the engineering field were explained to the students. In all, the workshop was very informative and all the doubts regarding the understanding of general Engineering Mathematics topics like Linear Algebra and Fourier series were discussed effectively for future application by the participants.





Industrial Visit to BSNL Telecom, V.U. Nagar, Anand

About the event: The industrial visit to BSNL was conducted on 29th February 2019. We departed at 11:30 am from the BVM College. There were 15 students (3rd Year) along with faculty members **Prof. Arjun Bambaniya** and **Prof. Kaushal Patel** (EC Dept.), who has supported this industrial visit. At around 12:00 pm the first session of General Introduction and the Briefing about the company's work was given by two of their engineers **DB Shah** and **RK Pagoda**.

They made us aware about Telecomm Exchange Techniques such as NGN system of exchange they work on and provide the necessary steps to design and verify the same functionality. The overall design flow about NGN and services were demonstrated by 12:45 pm. Around 1 pm a tour to their room of works was held where they had a setup of some sample models regarding their work with some equipment's like their mainframes of NGN networks, FIBCOM Nokia equipment's, BTS, etc. The last session of the tour the question and answer session took place at 1:15 pm where students wonderfully asked many questions and cleared all their queries about the industry platform.





Making of Project Report, Poster and Presentation Effectively

Objective: To cultivate and improve the presentation skills amongst students, which would help them in developing the project. Students would be able to make professional project reports in a structured format and present them effectively.

About the event: The event started at around 9:30 AM under the presence of **Dr. Darshan Dalwadi**, and **Prof. Ghanshyam Rathod**, Faculty of Electronics and Communication Department, Birla Vishvakarma Mahavidyalaya Vallabh Vidyanagar. The entire event was divided into two parts. The first part was about making project report and its formatting which was conducted by Prof. Ghanshyam Rathod and the second part was about Poster making and presenting skills. In all, the workshop was very informative, many of student's doubts were cleared and they got a deeper understanding on project report formatting and presenting it effectively.

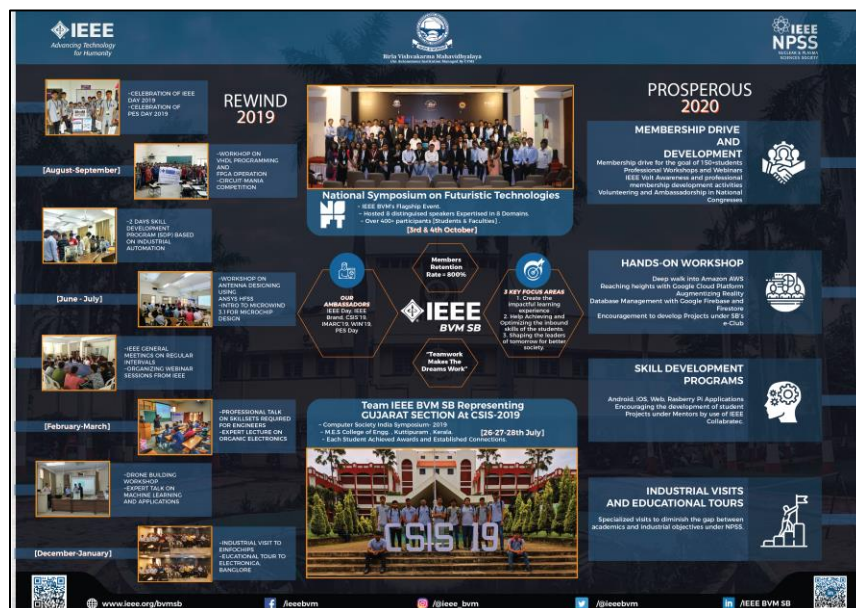




Visit to Sampark 2020

Objective: The main purpose behind Sampark'20 was to enhance the level of communication among young professionals by organizing a networking event, giving technical exposure via talks from professional, poster making and project exhibition etc. An opportunity was provided to the IEEE student members of all the branches under Gujarat Section to build strong networks amongst one another. We are very much thankful to **Prof. Mayur Sevak** and **Dr. Darshan Dalwadi** for supporting us throughout the trip and making it fruitful.

About the event: SAMPARK is an annual IEEE Gujarat Section event organized by IEEE Gujarat Section itself, for students, where all the student members showcase IEEE activities carried out by their respective student branches throughout the last year and plan the activities for the coming year. SAMPARK'20 began with a healthy breakfast and a warm welcome by Ganpat University volunteers via a kit and a gift. After that, all the student branches were asked to showcase their posters for the poster presentation contest. A warm welcome address was delivered by chairman of IEEE Gujarat section Manik Lal Das where he motivated all the students to enhance their productivity to next level and make the best out of the opportunities that are provided by IEEE. After that valuable talk, the question-answer session began, where all the candidates asked about various clarifications associated with start-ups, collaborations among student branches etc. After that, a lecture was delivered by Padma Shri Ganpatbhai Patel, Patron Donor of Ganpat University, Gujarat (India). After lunch, the project exhibition commenced where all the student branches represented their best project of the year. Finally, SAMPARK'20 was concluded with a warm closing ceremony and high tea.







Visit to Computer Society India Symposium (CSIS) 2019



Objective: Make Students Aware with Industry Practices. Increase Practical Awareness of various Industrial Sectors. Acquaint Students with Interesting Facts and Newer Technologies. Practical application of instruments handled during course curriculum.

About CSIS'19: The Computer Society India Symposium is one of the annual flagship events of IEEE Computer Society. It will be a home for the students and professionals of different student branches across the nation. Its scope is to serve as the platform to enhance the learning, professionalism, leadership, teamwork in every single individual of IEEE and IEEE Computer Society. The main aim of CSIS 2019 is to bring the eminent speakers, a wide range of technologists, professionals and academicians around the nation in order to create an interactively beneficial platform for all the Student Members and Professionals where every member has got an opportunity to explore, experiment. The three days event has a package of exciting workshops, hands-on session, thought-provoking and revolutionary talks by the most eminent speakers on Entrepreneurship, Artificial intelligence, Machine Learning, Business Intelligence, IOT to cater and equip every individual with the recent technologies in today's world.

Outcomes of the visit: Students came to know about the latest technologies used in the industries in various countries. As a final year student, this visit is very beneficial as students are given the proper details and the information about the current scenario of the industry and the job requirements in different domains of the industry. Students managed to interact with the industry experts and able to solve their doubts.



Team IEEE BVM SB Representing GUJARAT SECTION At CSIS-2019

- ~ Computer Society India Symposium- 2019
 - ~ M.E.S College of Engg. , Kuttipuram , Kerala.
 - ~ Each Student Achieved Awards and Established Connections.
- [26-27-28th July]**



~CELEBRATION OF IEEE
DAY 2019
~CELEBRATION OF
PES DAY 2019

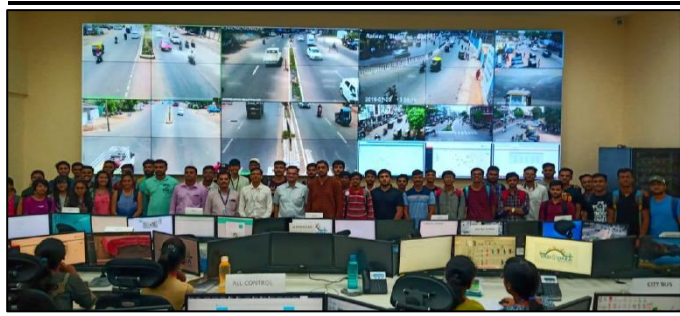


Visit to “Vadodara Smart City Command & Control Centre and GTU Incubation Centre

Objective: General Introduction and the Briefing about the implementation of smart city concept and its various applications. Make students aware about various startups.

About the event: We departed at 11:00 in the morning from the BVM Engineering College. There were 40 students of EC department along with four faculty members **Dr. B. C. Goradiya, Dr. R. C. Rana, Dr. Darshankumar Dalwadi** and **Prof. Ghansyam B. Rathod** went to this visit. We have reached to Vadodara Smart City - Command and Control Center around 12:45 pm. At around 01:00 pm, the whole session of General Introduction and the Briefing about the implementation smart city concept and its various applications was conducted by **Mr. Manish Bhatt** (Director, VMC) of Govt. of Gujarat.

After taking the lunch, we went to GTU Innovation Council – Incubation Centre at around 03:00 pm. Initially introduction and discussion regarding various startups was discussed by the Mr. Nikhil Suthar. He motivated the students for startup related activities. There were total 250+ startups governed by GTU Incubation Centre, Vadodara. We have seen the demonstration of some of the startup at incubation center like smart license system, adaptive bike and many more.

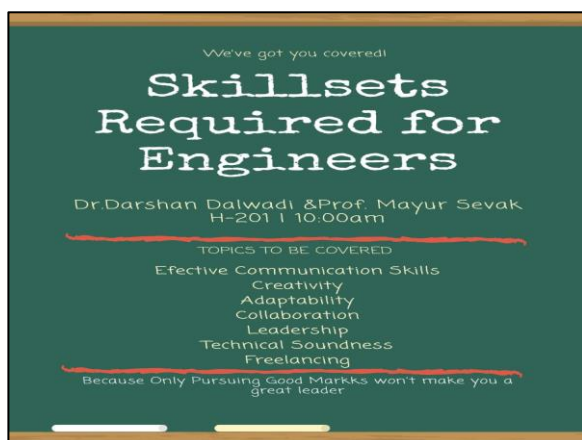




Skillsets Required for Engineers

Objective: To develop communication skills among students. Make the students learn to face an interview. Make the students able to communicate in front of people confidently. Get acquainted with professional soft skills.

About the event: The event started at around 10:00 AM under the presence of **Dr. Darshan Dalwadi**, and **Prof. Mayur Sevak** Faculty of Electronics and Communication Department of Birla Vishvakarma Mahavidyalaya, Vallabh Vidyanagar. The first part is about Basic Communication Skills which was conducted by **Prof. Mayur Sevak** and second part is about Professional Soft Skills which was conducted by **Dr. Darshan Dalwadi**. In all, the workshop was very informative, many of students' doubts were cleared and they got a deeper understanding on communication skills.

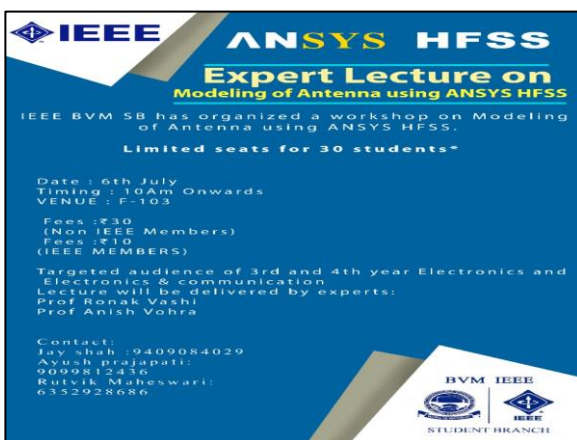




Expert Lecture on Modeling of Antenna using ANSYS & HFSS Software

Objective: To understand basic knowledge about Antenna designing and Modeling using HFSS software. Students will gain knowledge of HFSS and ANSYS software to design Antenna. To get hand's on experience on designing the Antenna using the HFSS and ANSYS software. Introduction of various modules/section/process covered by Expert.

About the event: The event started at around 10:00 am under the presence of **Dr. Darshan Dalwadi**, **Prof. Ronak Vashi** and **Prof. Anish Vahora**, Faculty of Electronics and Communication Department, Birla Vishvakarma Mahavidyalaya, Vallabh Vidyanagar. The first part was of Introduction to Antenna and second part was Design of Antenna. First part was conducted by **Prof. Ronak Vashi**. The Second part is conducted by **Prof. Anish Vahora**. The workshop was very informative, many students got their doubts cleared and they got a deeper understanding on Antenna Design.





Team of IEEE BVM Student Branch

Faculty Members

SR. NO.	Name	Designation
1)	Dr. Indrajit Patel	Principal, BVM Engineering College
2)	Dr. Jagdish Rathod	Faculty Advisor, IEEE BVM SB
3)	Dr. Darshan Dalwadi	Branch Counselor, IEEE BVM SB

Student Team

SR. NO.	Name	Designation
1)	Yagnik Mehta	Chairperson
2)	Devansh Parikh	Team Mentor
3)	Kedar Patel	Team Mentor
4)	Nisarg Patel	Vice Chairperson
5)	Shreyans Patel	Secretary
6)	Parth Shah	Finance Lead
7)	Shivam Dalsaniya	Webmaster
8)	Harsh Navadiya	Design Lead
9)	Deep Sakhiya	Design Lead
10)	Rudrax Dave	NPSS Chapter Chairperson
11)	Vatsal Shah	NPSS Chapter Secretary
12)	Kruti Kamdar	Documentation Lead
13)	Himanshu Thacker	Public Relations Officer
14)	Drashti Shah	Publicity Lead
Branch Representatives		
15)	Ibrahim Koicha	Electronics Branch Representative
16)	Jaimin Shimpi	IT Branch Representative
17)	Galav Bhatt	Electrical Branch Representative
18)	Dhruv Pokar	Electrical Branch Representative
19)	Jay Prajapati	Mechanical Branch Representative
20)	Rutvik Maheshwari	Electronics & Communication Branch Representative
Documentation Team		
21)	Gaurav Barve	Team Member
Design Team		
22)	Aditya Shah	Team Member
23)	Stutee Dave	Team Member
24)	Mansi Patel	Team Member
25)	Shruti Jha	Team Member
26)	Nirbhay Chaplot	Team Member



Publicity Team		
27)	Venu Upadhyay	Team Member
28)	Fenil Goghari	Team Member
29)	Atharva Bhawe	Team Member
30)	Dhruv Patel	Team Member
31)	Shubh Suthar	Team Member
32)	Umag Patoliya	Team Member
Student Branch Executive Officers		
33)	Harsh Modi	Inventory Officer

Scan to visit out YouTube Channel:



*“Advancing Technology for
Humanity”*



IEEE
BVM SB



IEEE **Student Branch** BVM

Get in touch

2020 – 2021

ANNUAL REPORT

IEEE BVM
STUDENT BRANCH

BVM Engineering College

(An Autonomous Institution)

Managed by Charutar Vidya Mandal



Table of Contents

Summary of Events	3
Description of the Events.....	5
Virtual Visit on Modern Physics (VVMP) 2020.....	5
International Tech Conclave (ITC) 2020.....	16
Computer Symposium 2021	21
Blogathon: Personal Development for Smart People.....	26
Destiny of Game Makers 1.0 (DOGM) 2020	28
TECHXPRTS WEBISODES EPISODE 0: Git & GitHub	30
IEEE Xplore User Awareness Session on Cisco WebEx.....	31
Basics of Cyber Security Field, Awareness & Career Path	32
Awaken the Entrepreneur Within You.....	33
Big Data, Business Analytics & Artificial Intelligence: A WebEx Approach	34
Code Mania: An Open Competition	35
Effectively and efficiently utilizing IEEE Xplore platform for Academics & Research	36
Learning of Linear Algebra through Models	37
Making of Project Report, Poster and Presentation Effectively	38
Visit to Sampark 2020	39

Official Website of IEEE BVM Student Branch

www.ieeebvmsb.com



Summary of Events

Title of the Event	Date Of the Event	Total Participants	Male Faculty Participants	Female Faculty Participants	Male Students Participants	Female Students Participants
Visit to Sampark 2020	05/01/2020	22	1	0	19	2
Making of Project Report, Poster and Presentation Effectively	08/02/2020	19	0	0	17	2
Learning of Linear Algebra through Models	29/02/2020	47	0	0	35	12
Effectively and Efficiently utilizing the IEEE Xplore platform for Academics & Research	27/02/2020	45	0	0	32	13
Code Mania: An Open Competition	06/03/2020	39	0	0	34	5
Big Data, Business Analytics & Artificial Intelligence	29/03/2020	245	11	7	142	85
Awaken the Entrepreneur Within You	17/04/2020	168	10	7	95	56
Basics of Cyber Security Field, Awareness & Career Path	12/04/2020	178	14	9	98	57



IEEE Xplore User Awareness Session on WebEx Meetings	02/04/2020	140	10	8	76	46
International Tech Conclave (ITC) 2020	25/04 to 30/04/2020	22000	2500	500	12000	7000
Destiny of Game Makers 1.0 (DOGM) 2020	06/06 to 09/06/2020	616	24	9	468	115
Virtual Visit on Modern Physics (VVMP) 2020	05,06,07,12 & 13/09/2020	600	84	57	247	212
TechXperts Webisodes Episode 0: Git and GitHub	14/02/2021	250	0	0	198	52
Computer Symposium 2021	04,05,06,07, 08,09 & 10/04/2021	112	3	0	81	28

Scan to visit out YouTube Channel:





Description of the Events

Virtual Visit on Modern Physics (VVMP) 2020



**Virtual Visit on
Modern Physics 2020**

Objective: The overall theme focused on enhancing knowledge of students and academic professionals in various the domains of Modern Physics like Nuclear & Plasma Sciences, Space Technologies, & Renewable Energy, etc. Around **600 participants worldwide** registered themselves in these virtual visit sessions.

About the event: IEEE BVM SB organized its yet another flagship event under the '*IEEE NPSS - Nuclear & Plasma Sciences Society*' known as '*Virtual Visit on Modern Physics - VVMP 2020*' on 5, 6, 7, 12 & 13 September 2020. In this unprecedented time of the pandemic, going beyond physical boundaries with the modern-day technology and explore with experts from the finest Laboratories / Institutions around the world.

Highlights of Expert Speakers & Tracks:

Speaker Name	Working Lab / Institution	Track	Session Date	Session Timings (IST)
Dr. Goutam Chattopadhyay	Senior Scientist, NASA - JPL	Terahertz Radar Technology	5th September 2020	9:30 A.M.
Dr. Arvind K. Singh	Senior Scientist, ISRO, Ahmedabad, India	"Astrosat"- India's First Mission on Space	6th September 2020	11:30 A.M.
Dr. Matthew Greenhouse	Astrophysicist at NASA Goddard Space Flight Centre	James Webb Space Telescope	6th September 2020	8:00 P.M.
Dr. Steven Goldfarb with Dr. Clara Nellist	Researchers at ATLAS Experiment, CERN	Visit to ATLAS Experiments at LHC	7th September 2020	5:30 P.M.
Ms. Cathy Suo	Head of Division (Wind Energy System) at DTU (Technical University of Denmark)	Wind Energy System at DTU	12th September 2020	1:00 P.M.
Dr. Ligia Diana Amorim	Postdoctoral Scholar, Lawrence Berkeley National Laboratory	Plasma Based Technology for Future Particle Colliders	13th September 2020	9:30 A.M.



REGISTRATION FEES STRUCTURE

CATEGORY	IEEE MEMBERS	NON-IEEE MEMBERS
STUDENTS	20/- INR	40/- INR
ACADEMICIANS	50/- INR	

PANEL OF SPEAKERS AT VVMP 2020

Virtual Visit on Modern Physics 2020

Guest Speakers

Dr. Goutam Chattopadhyay
Senior Scientist, NASA - JPL
TERAHERTZ RADAR TECHNOLOGY

Dr. Steven Goldfarb with Dr. Clara Nellist
Researchers at ATLAS Experiment, CERN
VIRTUAL VISIT TO ATLAS EXPERIMENT AT LHC

Dr. Arvind K. Singh
Senior Scientist, ISRO
ASTROSAT

Dr. Matthew Greenhouse
Astrophysicist, NASA Goddard
Space Flight Centre
JAMES WEBB SPACE TELESCOPE

Dr. Ligia Diana Amorim
PhD, Postdoctoral Scholar,
Lawrence Berkeley National Laboratory
PLASMA BASED TECHNOLOGY FOR FUTURE PARTICLE COLLIDERS

Ms. Cathy Suo
HOD (Wind Energy System)
DTU Wind Energy
WIND ENERGY SYSTEM AT DTU

www.ieee.org/bvmsb
 /ieeebvm
 /@ieee_bvm
 /@ieeebvm
 /IEEE BVM SB



Feature of VVMP on International Platforms

Discover
Visits on 6 continents, Shared with partners

Watch a Recorded Visit

Book a Visit
Next Events

Birla Vishvakarma Mahavidyalaya Engineering College

City: Geneva
Country: Switzerland
Cern date & time: Monday, September 7, 2020 - 17:30
Language: English

Virtual Visit on Modern Physics 2020 is an event organized to impart practical education associated with modern physics among students. With an aim of having all the bright minds in renowned fields of physics around the world on one panel.

Operator: Dr. Steven Goldfarb
ACR host: Dr. Steven Goldfarb and Dr. Clara Nellist.

Feature on Outreach page of ATLAS Experiment VIRTUAL VISITS (CERN)

High Value NPSS Journal Papers Are Now Freely Available

See the Publications page for details

Upcoming Student Chapter Event

[Virtual Visit on Modern Physics 2020](#)
5–13 September 2020
Sponsored by NPSS [BVM Student Branch Chapter](#), Gujarat, India

Feature on NPSS Website in Upcoming Event Section



Inauguration of Virtual Visit on Modern Physics 2020

The Inaugural Ceremony of Virtual Visit on Modern Physics 2020 began with **Dr. Indrajit Patel, Principal, BVM Engineering College** gracing the ceremony with his kind words. He motivated the audience to enhance their knowledge and explore the arena of Modern Physics through these sessions. He wished everyone a Happy Teacher's Day as it was 5th of September. He welcomed the Guest Keynote Speaker Dr. Goutam Chattopadhyay. Next, **Dr. Jagdish Rathod, Faculty Advisor, IEEE BVM SB** gave remarks on the topic and welcomed the speaker. Further, **Dr. Darshan Dalwadi, Branch Counsellor, IEEE BVM SB** greeted everyone and described about the theme of event. **Dr. Tanmay Pawar, Head, Electronics Dept., BVM Engineering College** introduced the speaker and briefed his work profile.



[Click Here!](#) to watch the Session 1 of VVMP 2020
Terahertz Radar Technology by Dr. Goutam Chattopadhyay



Event at a Glance

Session 1 began with **Dr. Goutam, Senior Scientist from NASA's Jet Propulsion Laboratories**, explaining terahertz frequency and its applications in different devices, for military applications for searching weapons and in astrophysics used for searching water molecules in different planetary bodies of our solar system.

Session 2 commenced with **Deputy Project Director of 'AstroSat' mission, Dr. Arvind K. Singh** explaining how the first ever India's mission to space used different technologies like Multi-wavelength Satellite, Soft X-ray telescope, Ultraviolet Detection System and different technical devices.

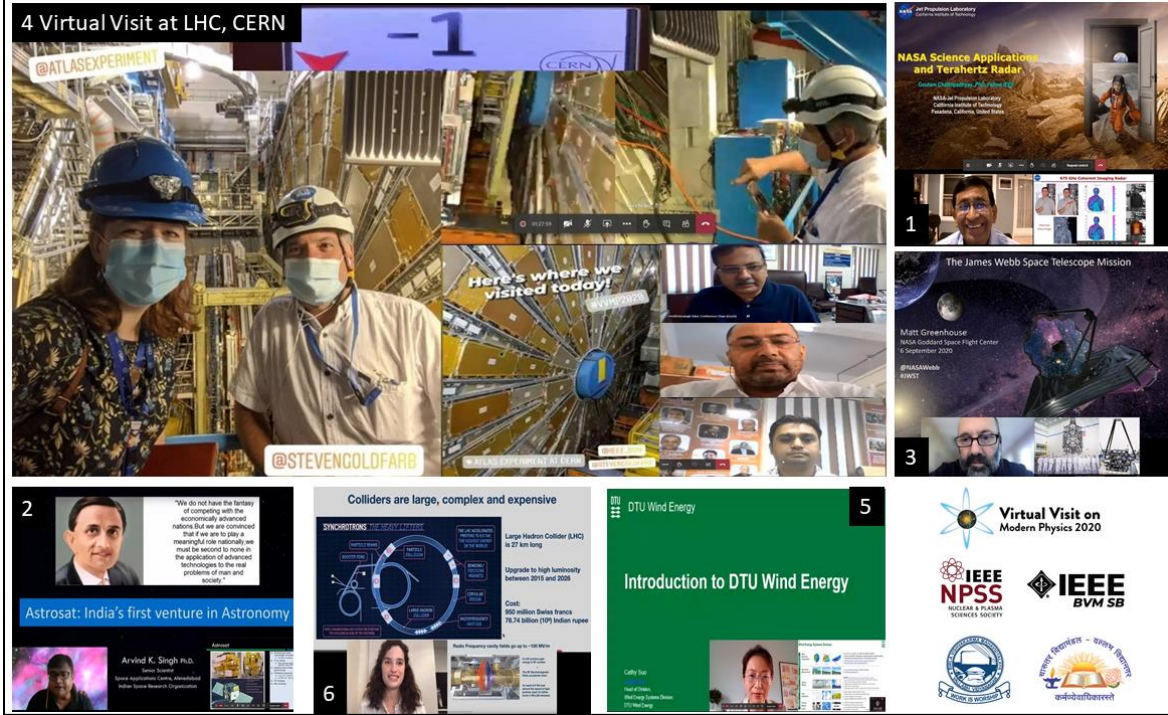
Session 3 began with **Dr. Matthew Greenhouse, Astrophysicist at NASA's Goddard Space Flight Centre** involved in the **James Webb Space Telescope**, showing various technologies used in JWST. He also showed behind the scenes of the project directly from their Laboratories and center.

Session 4 and the Keynote session for the event, began with **Dr. Steven Goldfarb & Dr. Clara Nellist, Particle Physicists conducting A Live Visit to ATLAS Experiments at Large Hadron Collider, CERN** which is world's largest and highest-energy particle collider and the largest machine in the world. A visit to underground labs with an aim of imparting the practical knowledge among candidates in order to understand the experiments going in modern areas of particle physics.

Session 5 began with **Ms. Cathy Suo currently working as Head of the Division, Wind Energy System** describing significant role of renewable energy, its benefits, challenges and compatibility of the Wind Energy System was described in the session. She showed some of the models and described them briefly, developed by the DTU Wind Energy and the models do give satisfying level of accuracy.

Session 6 began with **Dr. Ligia Diana Amorim working as Postdoctoral Scholar** explained the need of Plasma based Technology and its compatibility in terms of the technique for accelerating charged particles, such as electrons, positrons, and ions, using the electric field associated with electron plasma wave or other high-gradient plasma structures.

GLIMPSES OF THE EVENT



બીવીએમ કોલેજ દ્વારા વિદ્યાર્થીઓ માટે મોર્ડન ફિઝિક્સની વર્ચ્યુઅલ વિઝીટ યોજાય



આજાણ: વલ્લભ વિદ્યાનગર સ્થિત ચાર્ટર વિદ્યામંડળ સંચાલિત બીવીએમ એન્જિનિયરીંગ કોલેજ દ્વારા વિદ્યાર્થીઓ માટે મોર્ડન ફિઝિક્સની વર્ચ્યુઅલ વિઝીટનું આયોજન કરાયું હતું. પ્રિન્સિપાલ ડૉ. ઇન્દ્રજીત પટેલે જણાવ્યું હતું કે વર્ચ્યુઅલ વિઝીટ ઓન મોર્ડન ફિઝિક્સનો મૂળભૂત ઉદ્દેશ્ય

વિદ્યાર્થીઓ તથા રિસર્ચ સ્કોલરને ન્યુક્લિઅર સાયન્સ, સ્પેસ ટેકનોલોજી, પ્લાઝ્મા રિસર્ચ જેવા મોર્ડન ફિઝિક્સના વિષયો પર વર્તમાન સમયમાં થઈ રહેલા રિસર્ચ વિષે માહિતી પૂરું પાડવાનો હતો. ચુએસએના નાસામાં જેટ પ્રોપલઝન લેખના સિનિયર સાયન્ટિસ્ટ ડૉ. ગૌતમ ચઢોપાઘ્યાયએ ટેરા હર્ટઝ ફિક્વન્સી એન્ડ ઇટ્સ એપ્લિકેશન્સ, રડાર ટેકનોલોજી, મિલિટરી એપ્લિકેશન્સ, વોટર મોલેક્યુલ્સ ડિટેક્શન ઓન ડિફરન્ટ પ્લેનેટ્સ વિષે માહિતી આપી હતી. ઇસરોના કેપ્ચુરી પ્રોજેક્ટ ડિરેક્ટર ડૉ. અરવિંદ કે. સિંઘે ફર્સ્ટ ઇન્ડિયન મિશન ઓન સ્પેસ, ડિફરન્ટ સ્પેસ ટેકનોલોજીસ, મલ્ટિ વેવલેન્થ સેટેલાઇટ, સોફ્ટ X-ray ટેલિસ્કોપ, અલ્ટ્રા વાયોલેટ ડિટેક્શન સિસ્ટમ વિષે જણાવ્યું હતું.



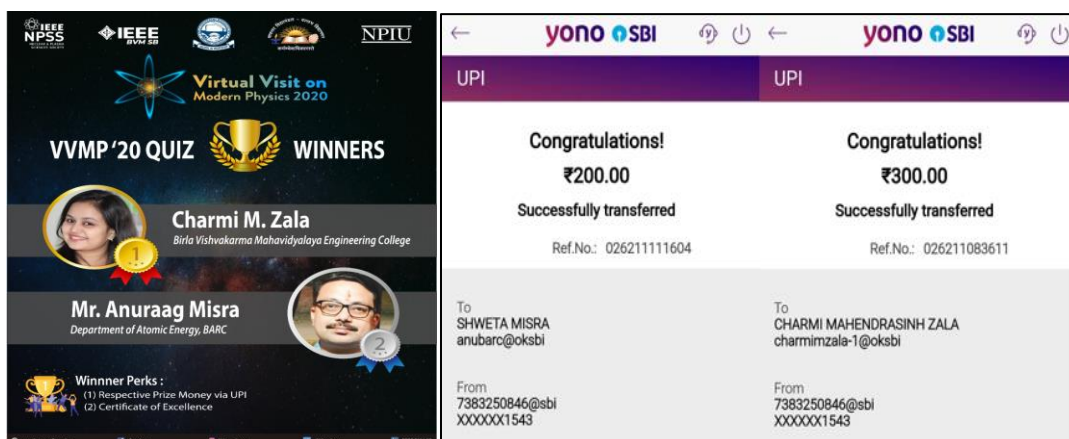
VVMP Ambassador Program

Team VVMP conducted an Ambassador Program for elevating the reach of the event in different students as well as professional communities and engage maximum number of people with the event from different parts of the world.

In response to which, total of 66 Ambassadors from different parts of the country and some parts of foreign countries were engaged with us. As a gesture of appreciation, the Top 3 Ambassadors evaluated by their performances were awarded with **Cash Prizes** and **Certificate of Achievement**. Following are the **Top 3 Performers of VVMP Ambassador Program**.

Rank	Name of Ambassador
1	Swetal Patel
2	Achal Kandoi
3	Dhruvil Nakum

Winners of Quiz at VVMP'20



E-Receipt of Prize Money transferred to the Winners of Quiz



Event Feature as an entire section in IEEE NPSS Newsletter- December Edition

NPSS NEWS

ISSUE 4: DEC. 2020

A PUBLICATION OF THE
INSTITUTE OF ELECTRICAL &
ELECTRONICS ENGINEERS

Functional Committees

CONFERENCES
Real Time
ANIMAMA 2020

SOCIETY GENERAL BUSINESS
President's Report
Secretary's Report

TECHNICAL COMMITTEES
Nuclear Medical And Imaging Sciences
Radiation Effects
Radiation Instrumentation

FUNCTIONAL COMMITTEES
Chapters
Publications
Awards

LIAISON REPORTS
Educational Activities Board
Smart Village

ARTICLE
Online I3P Seminar

CHAPTERS

#ExploreBeyondBoundaries
A Virtual Visit on Modern Physics
IEEE BVM Student Branch, NPSS Students' Chapter Gujarat, India

Birla Vishvakarma Mahavidyalaya (BVM) Engineering College, an Autonomous Institute managed by Charutar Vidya Mandal was established in 1948 from donations made by the Birla Education Trust at the behest of Sardar Vallabhbhai Patel, the first Home Minister of independent India. The college was inaugurated by Lord Mountbatten, the Governor General of India on 14 June 1948, and rose to prominence under the stewardship of Prof. Jinnah and Prof. K.M. Chokolia.

The Nuclear and Plasma Science Society Student Chapter originated in 2018 at the IEEE Student Branch - BVM Engineering College, Gujarat, India as organized under IEEE BVM NPSS Chapter are: 1. National Symposium on Futuristic Technologies: 2019, 2. Virtual Visit to Campus radio stations, 3. Visit to ISRO, 4. Visit to Zydus Himgiri, and 5. Virtual Visit on Modern Physics 2020.

IEEE BVM SB organized yet another flagship event under the IEEE NPSS - Nuclear & Plasma Sciences Society known as 'Virtual Visit on Modern Physics - WMP 2020' on the 5th, 6th, 7th, 12th and 13th September 2020. In this unprecedented time of the pandemic, it was possible to go beyond physical boundaries using modern-day technology to explore with experts from the finest Laboratories/Institutions Plasma Sciences, Space Technologies, Renewable Energy, and more. Around 600 participants from all over India and some other countries registered for these virtual visit sessions.

Highlights of Expert Speakers & Tracks:

1. Toriberto Radar Technology by Dr. Goulain Chatteropadhyay, Senior Scientist, NASA - Jet Propulsion Laboratories.
2. James Webb Space Telescope by Dr. Matthew Greenhouse, Astrophysicist, NASA Goddard Space Flight Center.
3. 'AresSat': India's First Mission on Space by Dr. Anand K. Singh, Deputy Project Director, AstroSat and Senior Scientist, ISRO, Ahmedabad, India.
4. (VIRTUAL VISIT) to ATLAS Experiments at LHC, CERN, Geneva by Dr. Steven Goldfarb & Dr. Clara Nellis, Researchers, ATLAS Experiment at LHC, CERN.
5. Wind Energy Systems at DTU (Technical University of Denmark) by Ms. Cathy Suo, Head of the Division, Wind Energy System, DTU.
6. Plasma-based Technology for Future Particle Colliders by Dr. Liza Diana Amorim, Postdoctoral Scholar, Lawrence Berkeley National Laboratory.

WMP Official Event Website: <http://bch/wmp2020>

IEEE BVM SB Official Website: <https://bvmbsb.org/>

BVM Engineering College Website: <https://www.bvmengineering.ac.in/>

The Birla Vishvakarma Mahavidyalaya Student Chapter can be reached by E-mail at bsb@bvmbsb.org



Team of Virtual Visit on Modern Physics 2020

Faculty Team

SR. NO.	Name	Designation
1)	Dr. Indrajit Patel	Principal, BVM Engineering College
2)	Dr. Jagdish Rathod	Faculty Advisor, IEEE BVM SB
3)	Dr. Darshan Dalwadi	Branch Counselor, IEEE BVM SB
4)	Dr. Bhargav Goradiya	Team Member
5)	Dr. S. D. Dhiman	Team Member
6)	Dr. Mukesh Shimpi	Team Member
7)	Dr. Keyur Brahmabhattach	Team Member
8)	Dr. Vatsal Shah	Team Member

Core Team - VVMP 2020

SR. NO.	Name	Designation
1)	Yagnik Mehta	Organizing Team Mentor
2)	Devansh Parikh	Organizing Team Mentor
3)	Kedar Patel	Organizing Team Mentor
4)	Nisarg Patel	Organizing Team Mentor
5)	Shreyans Patel	Organizing Team Mentor
6)	Parth Shah	Organizing Team Mentor
7)	Himanshu Thacker	Organizing Team Mentor
8)	Rudrax Dave	Organizing Student Lead
9)	Vatsal Shah	Organizing Secretary
10)	Galav Bhatt	Organizing Co-Lead
11)	Gaurav Barve	Organizing Co-Lead
12)	Dhruv Pokar	Organizing Co-Lead
13)	Harsh Navadiya	Design & Graphics Mentor
14)	Deep Sakhiya	Design & Graphics Mentor
15)	Jaimin Shimpi	Design & Graphics Lead
16)	Zeelraj Mahida	Web Team Lead
17)	Ibrahim Koicha	Publicity Lead
18)	Venu Upadhyay	Publicity Lead



19)	Atharva Bhawe	Publicity Lead
Documentation Team		
20)	Yash Tibra	Team Member
21)	Om Shukla	Team Member
22)	Kinnaree Shah	Team Member
23)	Jay Dave	Team Member
24)	Pranav Shah	Team Member

Web Team		
25)	Sneh Trivedi	Team Member
26)	Khanjan Marthak	Team Member
27)	Hit Patel	Team Member
Design & Graphics Team		
28)	Stutee Dave	Team Member
29)	Mansi Patel	Team Member
30)	Aditya Shah	Team Member
31)	Shruti Jha	Team Member
32)	Nitya Parikh	Team Member
33)	Aastha Gupta	Team Member
Publicity Team		
34)	Jay Goswami	Team Member
35)	Keivalya Pandya	Team Member
36)	Shubh Suthar	Team Member
37)	Vaidehi Shah	Team Member
38)	Arya Mehta	Team Member
39)	Jay Prajapati	Team Member
40)	Chintan Pandya	Team Member
41)	Rutvik Maheshwari	Team Member
42)	Aastha Gupta	Team Member
43)	Vatsal Mataliya	Team Member
44)	Shailesh Bambhaniya	Team Member
45)	Kishan Thakkar	Team Member
46)	Keyur Patel	Team Member
47)	Dhruvil Modh	Team Member
48)	Het Patel	Team Member
49)	Vikas Mathur	Team Member
50)	Jigar Solanki	Team Member
51)	Prit Vadalila	Team Member



52)	Vaishvi Goswami	Team Member
53)	Bhakti Patel	Team Member
54)	Arka Ghosh	Team Member
55)	Abhishek Raghuvanshi	Team Member
56)	Pankti Shah	Team Member
57)	Abhilasha Tiwari	Team Member



Team IEEE BVM Student Branch
Birla Vishvakarma Mahavidyalaya Engineering College
Vallabh Vidyanagar, Anand, Gujarat. PIN – 388120



International Tech Conclave (ITC) 2020



Introduction: IEEE BVM SB had organized an online flagship event **International Tech Conclave – ITC 2020** during the period of **26th April 2020 – 30th April 2020**. For this mega event, we had a total of **6 International and National Speakers** covering all the technical and necessary domains of Engineering. We aim to enrich the students and academic professionals alike with topics on Small Spacecraft Technologies and Kepler's Mission, Technology Trends and Challenges, Data Analysis Trends and Future, Futuristic Radiation based Space Technology, The Smart Cities of Tomorrow and Machine Learning for Solar Energy Technologies.

Objective: The conclave focuses on **“Driving People from Darkness to Light”**, during the unprecedented time of the worldwide pandemic. There were around 20000 participants from different International Universities and countries like United States, Canada, UK, Australia and many more.

About the event: The idea for the conclave was born during the time of the Coronavirus pandemic, where we aim to enrich the students and academic professionals alike with below trending topics:

1. 'Technology Trends and Challenges' by **Ms. Jyotika Athavale** from **Intel Corporation**.
2. 'Small Spacecraft Technologies and Kepler Mission' by **Mr. Roger Hunter** from **NASA**.
3. 'Data Analysis Trends and Future' by **Mr. Venkat Raju** from **U C Berkeley**.
4. 'Futuristic Radiation based Space Technology' by **Ms. Archana Sharma** from **CERN**.
5. 'The Smart Cities of Tomorrow' by **Mr. Farid Khan** from **IEEE South Asia Smart Village USA**.
6. 'Machine Learning for Solar Energy Technologies' by **Dr. Eroshenko Stanislav Andreevich** from **Ural Power Engineering Institute, Russia**.

Academic Partners: To increase the quality of our Conclave we had academic partners as TEQIP, NPIU and Ural Federal University of Russia who helped us in every step to increase the growth of our event and also at the same time value the work done by our members for the same.





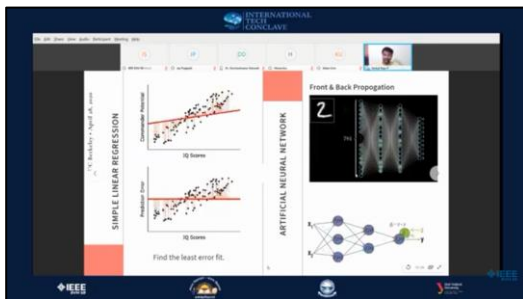
Glimpses of International Tech Conclave 2020



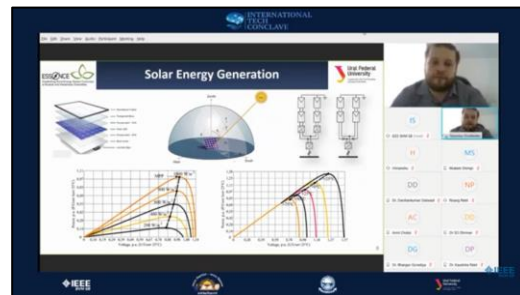
Ms. Jyotika Athavale delivering session on Technology Trends & Challenges



Mr. Roger Hunter delivering session on Small Space Crafts & Kepler Mission



Mr. Venkat Raju delivering session on Data Analytics Trends & Future



Dr. Eroshenko Stanislav delivering session on Solar Energy Forecasting Using Machine Learning



Dr. Archana Sharma delivering session on Futuristic Radiation Based Space Technology




Mr. Farid Khan delivering session on The Smart Cities of Tomorrow



Geographical Statistics of viewers on YouTube Live of ITC 2020

Video	Traffic source	Geography	Viewer age	Viewer gender	Date	Subscription status	Subscription
Geography			Views ↓		Average view duration	Watch time (hours)	
<input type="checkbox"/>	India		11,543	57.6%	7:24	1,423.9	71.8%
<input type="checkbox"/>	United States		636	3.2%	6:29	68.8	3.5%
<input type="checkbox"/>	Philippines		176	0.9%	2:51	8.4	0.4%
<input type="checkbox"/>	Indonesia		162	0.8%	1:50	5.0	0.3%
<input type="checkbox"/>	Pakistan		113	0.6%	1:28	2.8	0.1%
<input type="checkbox"/>	Russia		111	0.6%	6:34	12.2	0.6%
<input type="checkbox"/>	United Kingdom		100	0.5%	4:01	6.7	0.3%
<input type="checkbox"/>	Thailand		84	0.4%	3:00	4.2	0.2%
<input type="checkbox"/>	Vietnam		74	0.4%	1:39	2.0	0.1%
<input type="checkbox"/>	Mexico		67	0.3%	1:06	1.2	0.1%
<input type="checkbox"/>	Bangladesh		66	0.3%	3:19	3.7	0.2%
<input type="checkbox"/>	Australia		55	0.3%	8:22	7.7	0.4%
<input type="checkbox"/>	Malaysia		52	0.3%	1:56	1.7	0.1%
<input type="checkbox"/>	United Arab Emirates		42	0.2%	1:07	0.8	0.0%

Event Feature in IEEE R10 NewsLetter July Edition



IEEE BVM Student Branch [Gujarat Section]


Himanshu Thacker, Public Relations Officer for IEEE BVM Student Branch


International Tech Conclave - ITC'2020

IEEE BVM Student Branch organized its online flagship event International Tech Conclave (ITC'2020) from 26th to 30th April 2020. For this mega-event, a total of 6 international speakers were invited, covering various domains of engineering. With the focus on "Driving People from Darkness to Light", more than 2000 delegates registered for this event from all over the world, with a total of more than 21,000 views on YouTube.

The speakers and their topics were:

1. Ms. Jyotika Athavale, Principal Engineer, INTEL Corporation on Technology Trends and Challenges.
2. Mr. Roger Hunter, Program Manager, NASA on Small Spacecraft Technologies and Kepler Mission.
3. Mr. Venkat Raju, University of California, Berkeley on Data Analytics Trends and The Future.
4. Dr. Eroshenko S. Andreevich, Senior Lecturer, URFU on ML for Solar Energy Forecasting.
5. Dr. Archana Sharma, Principal Scientist, CERN on Futuristic Radiation Based Space Technology.
6. Mr. Farid Khan, Chair, South Asia IEEE Smart Village USA on The Smart Cities of Tomorrow.





**JULY
ISSUE 2020**
 IEEE R10 NEWSLETTER



Team of International Tech Conclave 2020

Faculty Team

SR. NO.	Name	Designation
1)	Dr. Indrajit Patel	Principal, BVM Engineering College
2)	Dr. Jagdish Rathod	Faculty Advisor, IEEE BVM SB
3)	Dr. Darshan Dalwadi	Branch Counselor, IEEE BVM SB Coordinator, ITC 2020
4)	Mr. Vimal Maruvada	Academic Collaboration Partner
5)	Mr. Yana Vysotskaia	Academic Collaboration Partner
6)	Dr. Bhargav Goradiya	Team Member
7)	Dr. S. D. Dhiman	Team Member
8)	Dr. Kaushika Patel	Team Member
9)	Dr. Mukesh Shimpi	Team Member
10)	Dr. Rashesh Mehta	Team Member

Core Team - ITC 2020

SR. NO.	Name	Designation
1)	Yagnik Mehta	Organizing Team Lead
2)	Devansh Parikh	Organizing Team Mentor
3)	Kedar Patel	Organizing Team Mentor
4)	Nisarg Patel	Organizing Secretary
5)	Shreyans Patel	Organizing Secretary
6)	Himanshu Thacker	Technical Communications Lead
7)	Parth Shah	Finance Lead
8)	Shivam Dalsaniya	Webmaster
9)	Harsh Navadiya	Design & Graphics Lead
10)	Deep Sakhiya	Design & Graphics Lead
11)	Rudrax Dave	Public Relations Lead
12)	Kruti Kamdar	Documentation Lead
13)	Vatsal Shah	Documentation Lead
Documentation Team		
14)	Gaurav Barve	Team Member
Web Team		
15)	Jaimin Shimpi	Team Member
16)	Zeelraj Mahida	Team Member
17)	Sneh Trivedi	Team Member
18)	Khanjan Marthak	Team Member
19)	Neel Macwan	Team Member



Design & Graphics Team		
20)	Aditya Shah	Team Member
21)	Stutee Dave	Team Member
Technical Communications Team		
22)	Dhruv Pokar	Team Member
23)	Ibrahim Koicha	Team Member
24)	Jay Prajapati	Team Member
25)	Galav Bhatt	Team Member
Publicity Team		
26)	Venu Upadhyay	Team Member
27)	Fenil Goghari	Team Member
28)	Atharva Bhav	Team Member
29)	Drashti Shah	Team Member
30)	Dhruv Patel	Team Member
31)	Shubh Suthar	Team Member
32)	Het Patel	Team Member
33)	Umag Patoliya	Team Member

Public Relations Team		
34)	Nirbhay Chaplot	Team Member
35)	Harsh Modi	Team Member
36)	Chintan Pandya	Team Member

Scan for ITC Playlist:



Scan for BVM Engineering College Website:





Computer Symposium 2021



"Enhancing Technocrats for a Better Future"

Objective: 'Computer Symposium 2021' organized by IEEE BVM Student Branch, Computer Society of India (CSI) - BVM, & Developer Students Club (DSC) - BVM is a series of Expert Sessions on various domains of Computer Science & Technologies with an aim of uplifting technocrats for a better future.

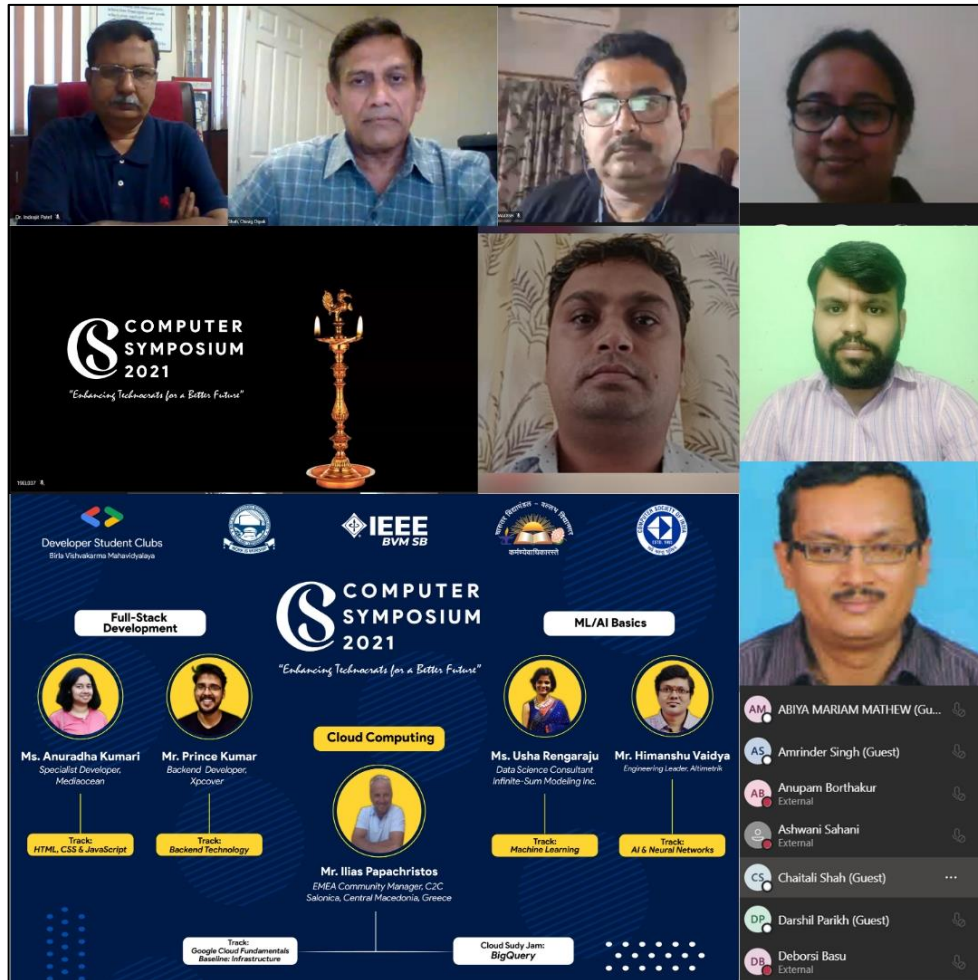
About the event: The Symposium will be covering domains of Full-Stack Web Development, (HTML, CSS, JavaScript), Machine Learning Basics, Neural Networks and Introduction to Artificial Intelligence as well as Cloud Computing Technologies. **Total 112 participants** registered in this lecture series from various parts of India.

Highlights of Expert Speakers & Tracks:

Date / Day	Session Details	Speaker Details	Timings
4 th April 2021 (Sunday)	Inaugural Ceremony	Dr. Indrajit Patel Mr. Dipak Shah	10:00 AM onwards
	HTML, CSS, JavaScript	Ms. Anuradha Kumari	10:30 AM – 12:30 PM
5 th April 2021 (Monday)	Backend Technology	Mr. Prince Kumar	04:00 PM – 06:00 PM
6 th April 2021 (Tuesday)	Machine Learning	Ms. Usha Rengaraju	01:00 PM – 03:00 PM
7 th April 2021 (Wednesday)	Neural Networks and A.I.	Dr. Mousami Munot	01:00 PM – 02:30 PM
8 th April 2021 (Thursday)	Google Cloud Fundamentals	Mr. Ilias Papachristos	04:00 PM – 06:00 PM
9 th April 2021 (Friday)	Cloud Study Jam: BigQuery	Mr. Ilias Papachristos	04:00 PM – 06:00 PM



Inauguration of Computer Symposium 2021



The Inaugural Ceremony of Computer Symposium 2021 began with **Dr. Indrajit Patel, Principal, BVM Engineering College** gracing the ceremony with his kind words. He motivated the audience to enhance their knowledge and explore the areas of Computer Technologies through these sessions. Next, the Chief Guest of Ceremony and BVM Alumnus **Mr. Dipak Shah** is the **CEO of USA based LynxAI Corp**, congratulated and wished the team with success blessings and described importance of technologies in today's world. He greeted the participants and all the members. Next, **Dr. Jagdish Rathod, Faculty Advisor, IEEE BVM SB** gave remarks on theme of the symposium.



Event at a Glance

Session 1 began with **Ms. Anuradha Kumari, Specialist Developer at MediaOcean**, clarifying the basic difference between HTML, CSS and JavaScript. She shared an in-depth knowledge of developing a front-end using these tools which makes one's site more user friendly and user attractive.

Session 2 began with **Mr. Prince Kumar, Backend developer at XpCover**, explaining different types of back-end technologies and which are frequently used in industries. He then gave a live hands-on demonstration on Node Js which is one of the most frequent Backend Technology used nowadays.

Session 3 began with **Ms. Usha Rengaraju, Data Science Consultant at Infinite-Sum Modeling Inc.**, explaining the role of Artificial Intelligence in various industries and future scope of Artificial Intelligence. She demonstrated different libraries which are used for prediction and classification in Machine Learning.

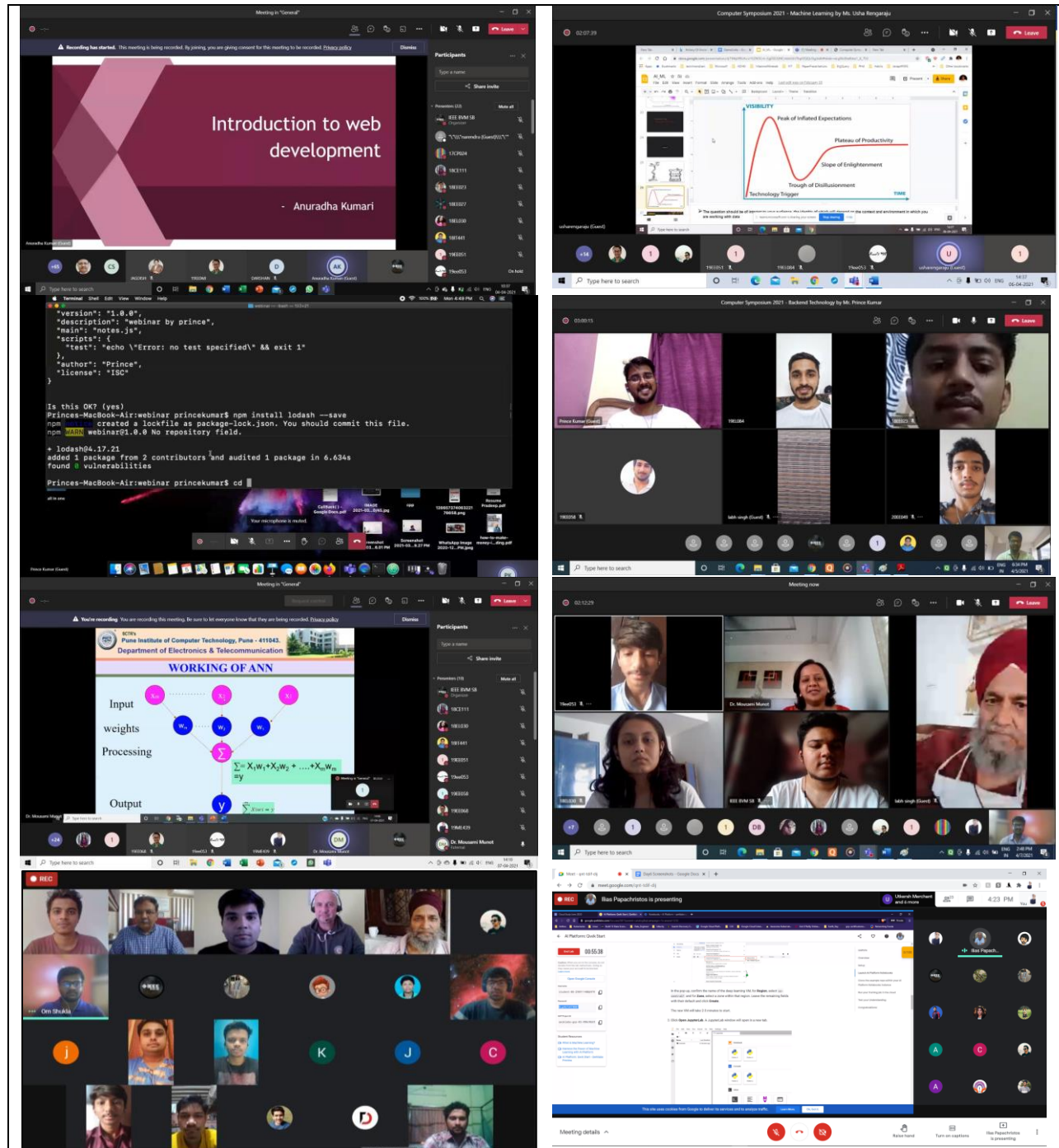
Session 4 began with **Dr. Mousami Munot, Associate Professor, Pune Institute of Technology** started off with an introduction of real applications in the field of Image processing, artificial intelligence, deep learning. She individually stated and elaborated well each and every domain and their pros and cons. At a conclusion, she shown a video portraying world with A.I. and futuristic things that may turn the world technologically upside down.

Session 5 began with **Mr. Ilias Papachristos, EMEA Community Manager, C2C Salonica, Central Macedonia, Greece** starting off with basics of cloud computing and explaining all the tools and methods included in the computing also in his session.

Session 6 began with **Mr. Ilias Papachristos, EMEA Community Manager, C2C Salonica, Central Macedonia, Greece** starting off with revising what he had discussed the previous day. He carried out a live GCloud session wherein all the participants were able to perform cloud tasks in stipulated time.



GLIMPSES OF THE EVENT





Print Media Coverage

बिरला विश्वकर्मा महाविद्यालय जाते कम्प्युटर सिम्पोजियम-२०२१ नो प्रारंभ

आर्षाड, ता. ०५

चारुतर विद्यामंडल संस्थानित बिरला विश्वकर्मा महाविद्यालय जाते आर्षाड रूड-२०२१, सीएसआई रूड-२०२१ तथा डेवलपर रूड-२०२१ कलम अंतर्गत ६ दिवसीय कम्प्युटर सिम्पोजियम २०२१ नो प्रारंभ करवामां आयो. जेमां मुख्य अतिथि तरीके डिपक शाह (CEO, LynxAI Corp. USA), ईन्डस्ट्रीअल अेक्सपर्ट अनुराधा कुमार (Specialist Developer, Mediaocean), डॉ. ईद्रजित अेन.पटेल (प्रिन्सिपाल, बी.वी.अेम.), डॉ. जगदीश अेम.राठोड (इकल्टी अेडवाइजर, आर्षाड रूड-२०२१), डॉ. दर्शन हलवाडी (इकल्टी काउन्सेलर, आर्षाड रूड-२०२१), डॉ. अेन.अेम.पटेल (इकल्टी काउन्सेलर, सीएसआई रूड-२०२१), डॉ. वत्सल शाह (इकल्टी काउन्सेलर, डेवलपर रूड-२०२१ कलम, बीवीअेम.) उपस्थित रह्या छतां.

डिपक शाह अेडवाइजर ईन्टेल्जिजन्स तथा डेटा माईनिंग विषे रसप्रद माहिली आपी छती. कम्प्युटर सिम्पोजियम-२०२१ मां अनुराधा कुमार (Specialist Developer, mediaocean) HTML, CSS, Java script पर प्रिन्स कुमार (Backend Developer, Xpcover) बे डेन्ड टेक्नोलोजि पर कुमार उषा रेंगाराजु (Data Science Consultant, Infinite-Sum Modeling Inc.) मशीन लर्निंग पर, डिमांशु वेद्य (Engineering Leader, Altimetrik) न्युरल नेटवर्क तथा अे.आर्षाड पर ईलियास पापाक्रिस्टोस (EMEA Community Manager, C2C Salonica, Central Macedonia, Greece)



गुगल क्लाउड ईंफोर्मेटिक्स तथा क्लाउड स्टडी जमः बिग क्वेरी पर पोतानुं नोलेज पूरुं पाडशे. डॉ. दर्शन हलवाडीअे उपस्थित अेक्सपर्टनो परिचय आयो छतो.

कम्प्युटर सिम्पोजियम २०२१ मां १०५ थी वधु विद्यार्थीअे भाग लीयो छे. सिम्पोजियमने सइज अेनाववा माटे रूड-२०२१ कोर्डीनेटर जैमिन शिंपी, जय पटेल तथा ध्रुविल कोटेचाअे उत्साहपूर्वक कामगिरी छथ धरी छती. चारुतर विद्यामंडलना अध्यक्ष बीजुभाई पटेल तथा छेदेद्वारोअे शुभेच्छा व्यक्त करी छती.



TEAM COMPUTER SYMPOSIUM 2021

Organizing Team Heads

Mr. Jaimin Shimpi
(IEEE BVM Student Branch)

Mr. Jay Patel
(Developer Student Club, BVM)

Mr. Dhruvil Kotecha
(Computer Society of India, BVM)

&

Team IEEE BVM SB

Team DSC, BVM

Team CSI, BVM



Blogathon: Personal Development for Smart People



Objective: Team IEEE BVM SB planned to organize an online flagship event "**Blogathon: Personal Development for Smart People**", A National Level Blog Writing Competition. This event went live from **26 April 2020** to **6 May 2020**. This event was specially organized to promote professionalism amongst the students and spread awareness about blog writing. Not only it will help them understand the **formal approach to write a methodological or fictional piece of literature but also sharpen their skills in terms of creativity**. Last but not least, **Team IEEE BVM SB** has planned to carry out a novel act by donating all the profit earned by this competition towards the **PM CARES Fund** to help our **Prime Minister** by adding to the tireless efforts made by him.

About the event: A Pre-Event Training session was organized called '**Blog Talk**' in order to provide the participants an insight about '**How to write and publish a Blog**' with basic content writing skills. The webinar was organized on 1st May 2020. **Mr. Vaibhav Shah** is a scientific & affiliate blogger. He is also a brand ambassador of Kenzus street wear. The session began with a warm welcome by **Dr. Darshan Dalwadi** to the speaker. In part 1 of session, various tips and thumb rules for writing a decent blog were addressed. In part 2, session concluded with a questions and answers session.

The registration period for the event was from 26th April 2020 to 2nd May 2020. The submission portal was open from 30th April 2020 to 3rd May 2020 to allow participants submit their blogs. Later on, from the 4th May, the review started. On 6th May, the result declaration took place. To participate in this event the students had to pay Rs.50/- & for the rest of participants the fees was Rs.100/-. To promote this event at a greater scale, we had invited famous bloggers from across the country.

After the blog had been submitted there was a review process of all the blogs which was done by the judges. The review process was categorized into 3-Phases which helped to filter out the best blog amongst all. The results were declared through mails. The top three blog from each category got an assured prize, feature on IEEE BVM Website & IEEE BVM New Letter. All blogs will be awarded by an acknowledgement certificate.



Summary of Registration Details

Participant Category	Count
Student	114
Faculty	7
Other Participant	6
BVM Alumni	1

Results & Awards of Blogathon

We thank the faculty members **Dr. J. M. Rathod, Dr. Sandeep Unadkat, Dr. Namita Sathe, Dr. Prakash George, Mr. Pranav Bhatt** who were present in the review panel and scrutinized the blogs based upon various parameters to select the best 3 blogs from both categories: Technical & Non-Technical. The results were declared on the IEEE BVM SB – Blogathon website on 6th May 2020 at 2:00 PM afternoon. All the faculty and student members congratulated the winners.

As a gesture of appreciation and part of award, the **Top 3 blogs from both: Tech & Non Tech category** will be featured on **IEEE BVM Website & IEEE BVM Newsletter** and will be awarded with a **Framed Certificate of Achievement**. The rest participants who actively participated and published their blogs would be awarded with an **E-certificate of Appreciation** as a gesture of motivation. As mentioned above, after the lockdown circumstances due the pandemic would be over, the certificates would be handed over to each of them.

Payment Details

Transaction Details	Amount (INR)
Ticket Sale	7100
Town Script Charges	1844.1
Received In-Hand from Town Script	5255.9
Logistics expenses	1000
Amount Donated to PM CARES Fund	4256



Destiny of Game Makers 1.0 (DOGM) 2020

Objective: To reach all those students who are interested in this domain and to provide a big opportunity to learn and expand their knowledge in the field of Game Development. The idea for the D.O.G.M. was born by seeing the popularity of games like PUBG, Call of Duty, Clash of Clans, etc. among the youths.

Expert Speakers: Mr. Shourya Srivastava, Co-founder, Unicorn Gaming Hub and Mr. Avnish Gupta & Mr. Ayush Yadav, Game Developers, Unicorn Gaming Hub

About the event: The event was conducted in three phases: First, a series of pre-event web training sessions, in which the expert from the domain of game development guided, demonstrated, and taught the participants. After acquiring the basic tools, the participants had to build the assigned task to them and compete with each other. In conclusion, the submissions were assessed and evaluated by the panel of experts.

Inauguration of D.O.G.M. 1.0: The event started off with a warm welcome speech from Dr. Indrajit Patel, Principal, BVM Engineering College. He graced the occasion by welcoming the expert of the session. Dr. Jagdish Rathod, Faculty Advisor, IEEE BVM SB welcomed all the participants in the session and gave wishes to the team for organizing such a creative event. Dr. Darshan Dalwadi, Branch Counselor, IEEE BVM SB felicitated the speaker with his kind words and expressed a vote of thanks. Mr. Shourya Srivastava and motivated the participant students to attend all the sessions of the event with enthusiasm. He extended gratitude to the team for inviting him. Our expert discussed their start-up unicorn gaming hub where they created two hyper-casual games, 5 AR-based games, and also, they are now got into multiplayer games to enhance their E-sport platform.

The Day 2 for the D.O.G.M. 1.0 began with a welcome Speech by Dr. S. D. Dhiman, TEQIP Coordinator, BVM. He welcomed both the experts of the session whole heartedly. Participants were given a brief introduction on Unity Gaming Software Unity Game Engine is already equipped with basic functions. Participants had a guided tour of the whole Unity gaming software which was used.

The Day 3 for the D.O.G.M. 1.0 began with a welcome speech by Dr. Bhargav Goradiya, Head of the Department, Electronics & Communication Engineering. Initially participants were explained what is the job of game designer and how to write a game. Also, they instructed to know that what age category will play your game. Participants were taught how to give animation in game. Also, how conditions are used for animation. How to set-up a game was explained. All complex procedures, methods and use of resources were explained.



The Day 4 for the D.O.G.M. 1.0 began with a welcome speech by Prof. Mayur Sevak, Electronics & Communication Engineering. Our expert started the session with revision what the participants have learnt in last sessions. The session was started with the introduction of Tic-Tac-Toe Game. The expert discussed how can we save and create different scene in the panel. The expert explained how to make the starting screen of the game with two buttons, play game and Exit including all aspects like canvassing, background, script making, coding, etc.

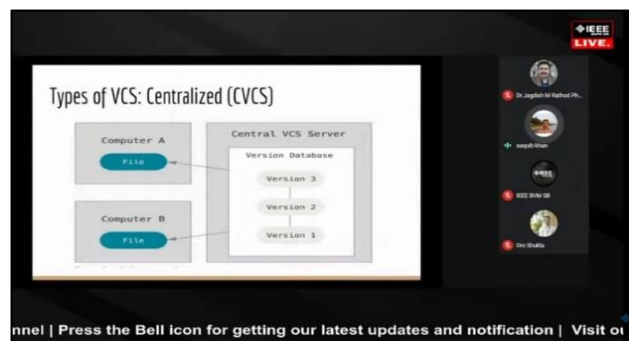
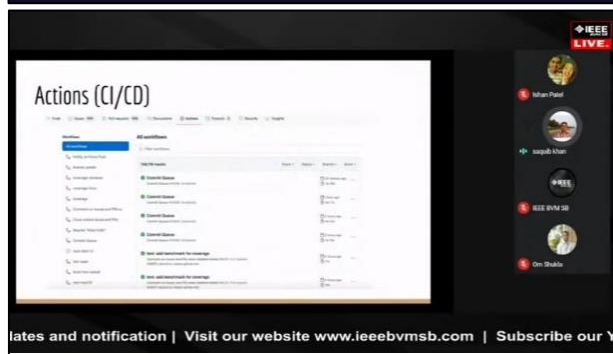




TECHXPERTS WEBISODES EPISODE 0: Git & GitHub

Objective: To develop practical as well as technical knowledge amongst undergraduate students and make them ready with the tools required towards building their career in this field.

About the Event: The event started at around 2:45 PM. **Dr. Jagdish Rathod, Faculty Advisor, IEEE BVM SB** gave the opening remarks and introduced the expert of the session Mr. Saquib Khan, currently working as Senior Engineering manager at GitHub, India. The expert then explained some real problems and its solutions from the past and then, as this was also a hands-on-experience session, the expert explained about setting up and installation of Git. He briefly described about how to add a feature without disturbing the stable version (from the master version) by creating branch and making some changes over the master site, tracking by using different methodology using remote (function). Valedictory Thanks and Ending Remarks were given by **Dr. Darshan Dalwadi, Branch Counsellor, IEEE BVM SB**.

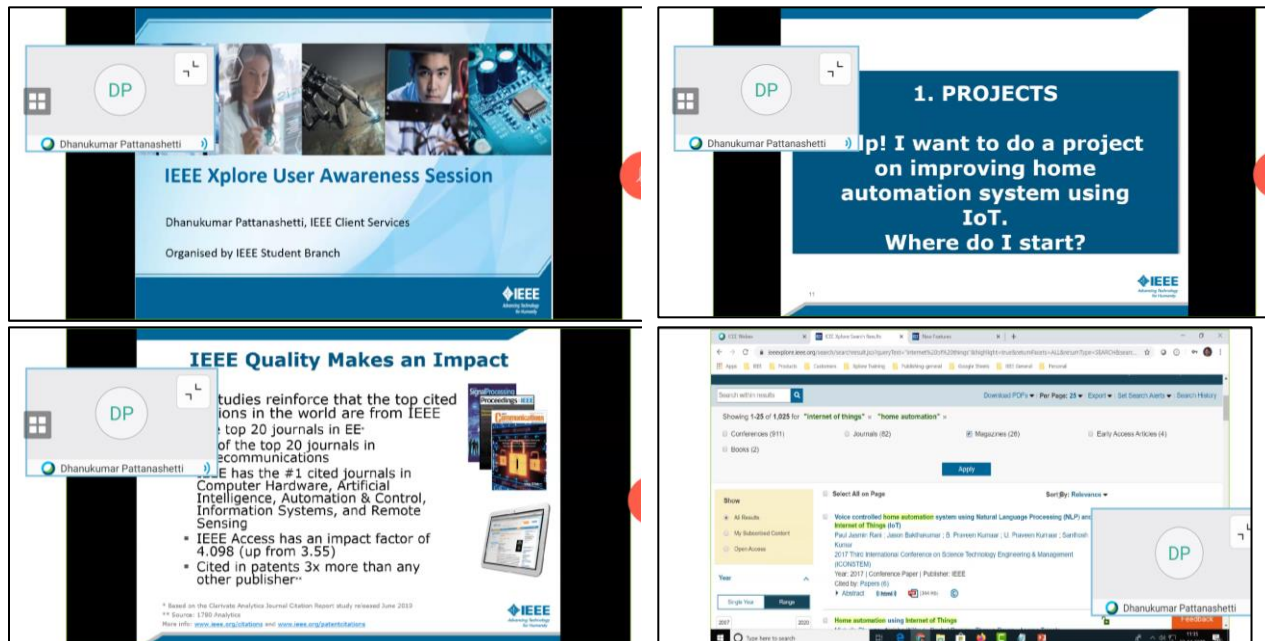




IEEE Xplore User Awareness Session on Cisco WebEx

Objective: The students would be able to utilize various papers and functions of IEEE Xplore digital library and use them in research work. They would also be able to find and filter the correct matter they are looking for. The students, academic professionals would be motivated to write and find the most quality research papers and articles using IEEE Xplore Digital Library. To make aware and explain the students about IEEE Xplore (IEEE Digital Library) and its importance in academics and research work.

About the event: The event started at around 11:00 AM in presence of **Dr. Darshan Dalwadi** with a warm welcome to the expert of the session **Mr. Dhanukumar Pattanashetti** and opening remarks about webinar jointly organized by IEEE Region 10 and IEEE BVM SB. Many students as well as faculties/professionals also took part in this webinar. Then after, detailed explanation and demonstration of IEEE Xplore Digital library was given to students. With the motive to make students understand the basics of writing research paper, the initial process was explained. Various aspects such as IEEE Author Centre, Early access articles, Citation Alerts were explained. In the conclusion, the expert with his closing remarks explained the importance of research in technology field and how IEEE Xplore Digital Library can be a great resource for authors.

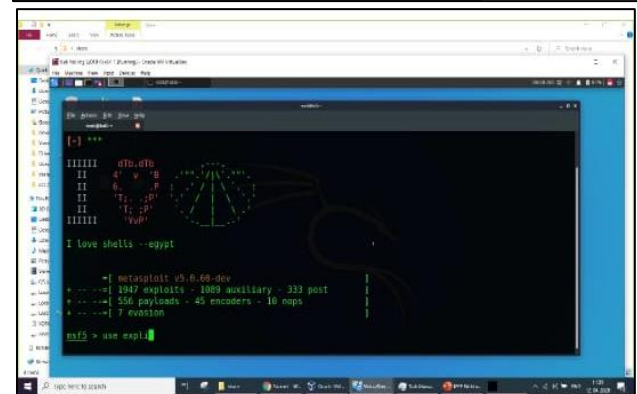
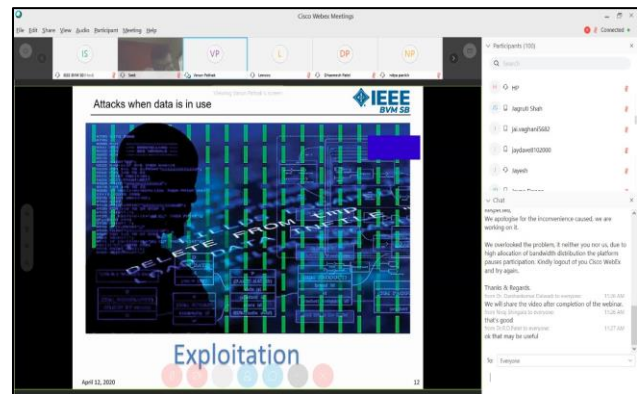




Basics of Cyber Security Field, Awareness & Career Path

Objective: To motivate the students of technology to enhance and build basic foundations of Cyber Security field, how one can develop career in it and its awareness. The students would be able to understand the basics of cyber security and deal with basic terminologies and networks. They would also be able to find and filter the correct information about cyber threat.

About the event: The webinar started at around 11:00 AM in presence of **Dr. Darshan Dalwadi** with a warm welcome to the expert of the session **Mr. Varun Pathak** and opening remarks about webinar organized by **IEEE BVM SB**. Many students as well as faculties/professionals also took part in this webinar. Then after, a brief overview of Cyber Security Field was given with explanation of basic terminologies related to it. With the motive to make students understand the importance of cyber security in this age of Internet, various roles in the field were explained. Various concepts about how the exploitation of data occurs were also shown. In the conclusion, every aspirant of the field was motivated to cultivate awareness about the cyber security field.

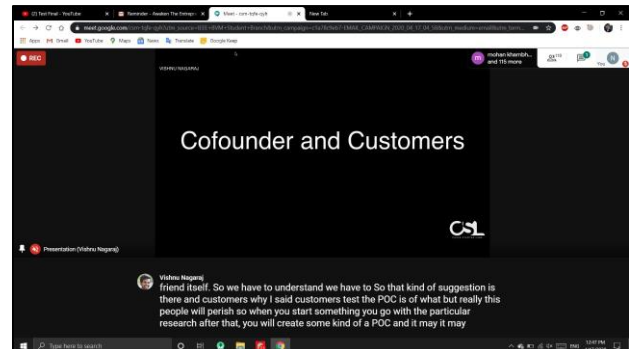




Awaken the Entrepreneur Within You

Objective: To make students get insight and explain about entrepreneurship. Main aim is to motivate the students about advantages and necessities of developing a start-up and develop your ideas into a working model its awareness. The students would be able to understand the basics of entrepreneurship and basics of setting up a business model. They would also be able to find and filter the correct business which is required in order to serve the people of society better.

About the event: The webinar started at around 12:30 PM in presence of **Dr. Indrajit Patel**, Principal, BVM Engineering College, and **Dr. Darshan Dalwadi** with a warm welcome to the expert of the session **Mr. Vishnu Nagaraj** and opening remarks about webinar organized by **IEEE BVM SB**. Many students as well as faculties/professionals also took part in this webinar. Information regarding POC was given and how to deal with your customers was explained. Benefits of starting a start-up in college were told to participants. How to do marketing of your start-up at initial stages and grow in organic manner was briefed to everyone. The webinar concluded with a Q&A session and a vote of thanks to the expert.



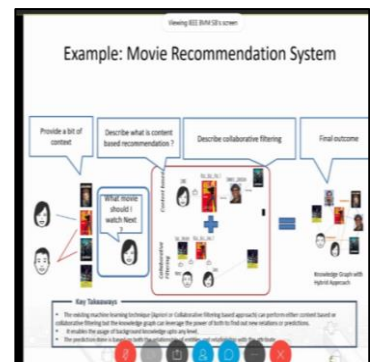
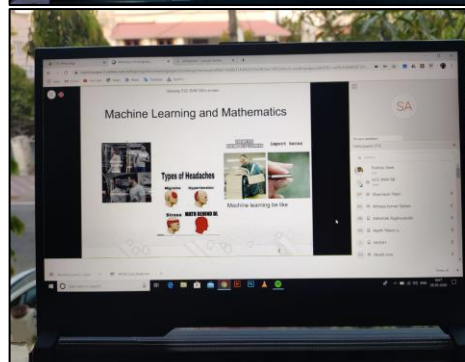
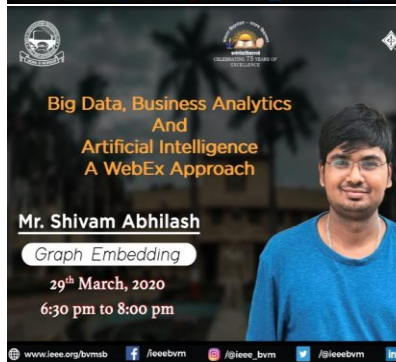
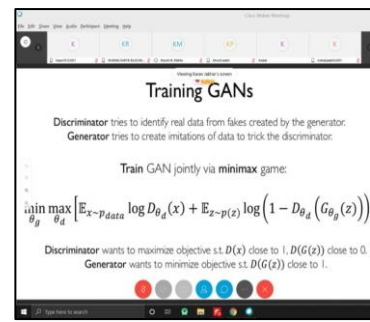
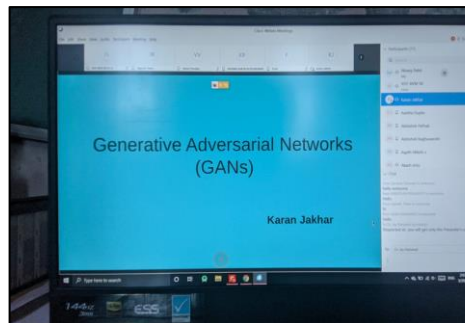


Big Data, Business Analytics & Artificial Intelligence: A WebEx Approach

Objective: To make the students of engineering aware about the emerging fields of big data, business analytics & artificial intelligence and their diversified applications in many real-life problems and to develop solutions. To give basic understanding of generative adversarial networks (GANs) and graph embedding, mathematical solutions and would also get theoretical understanding of artificial intelligence, machine learning and face recognition etc.

About the event: First session of the day began at 2:00 PM. The session started with topic 'Training GANs' via an interesting mathematical game called minimax. 'How the photographs of human faces are generated' was the next topic that was touched upon. How to set some parameters in DCGAN Kaggle & working of Discriminator and Generator were explained.

The second session of the day began at 6:30 PM and participants were excited to explore areas of machine learning after an informative session on GANs. The session started with basics of machine learning and various real life problems were discussed. Concept of Feature engineering was introduced. Application of machine learning using big data was explained by 'Recommendation Using Knowledge Graph'. An open house Q&A session held in which participants raised their doubts regarding ML, AI and its peripheral aspects.





Code Mania: An Open Competition

Objective: To cultivate the fundamental skills of information technology and computer engineering. To improve understanding of different languages like C, C++ and program designing. To improve the working capacity in teams. Working on solutions based on real life problems.

About the event: The event started at around 10:00 AM in the presence of **Dr. Darshan Dalwadi** of BVM to embrace students Fundamentals and sharpen the skills of Information Technology and Computer Engineering- C, C++ and Program Designing. This competition mainly consisted of three rounds: Round 1 - Online Quiz. Round 2 - Solve the error code. Round 3 - Real Life based Problem Solutions, using basic Coding Skills. In all, the event was very informative and participants have learned many things about their understanding on basics of computer languages and their real-life problems along with solutions in different ways.





Effectively and efficiently utilizing IEEE Xplore platform for Academics & Research

Objective: To make aware and explain the students about IEEE Xplore (IEEE Digital Library) and its importance in academics and research work. Main aim is to motivate the students to write research papers and for that how to utilize the library effectively.

About the event: The event started at around 10:00 AM in presence of **Dr. Darshan Dalwadi** with a warm welcome to the expert of the session **Mr. Gorakshanath Upadhyaya** and encouraging the students to write research papers. Then, detailed explanation and demonstration of IEEE Xplore Digital library was given to students. With the motive to make students understand the basics of writing research paper, the initial process was explained. Various aspects such as IEEE Author Centre, Early access articles, Citation Alerts were explained. In the conclusion, a quiz was conducted in which questions were based on features of IEEE Xplore Digital Library. Students actively took part in the quiz. In all, the students would be able to utilize various papers and functions of IEEE Xplore digital library and use them in research work. They would also be able to find and filter the correct matter they are looking for.

Effectively and efficiently utilizing the IEEE Xplore platform for academics & research

The IEEE Xplore digital library provides access to IEEE journals, transactions, letters, magazines and conference proceedings, IET journals and conference proceedings, IEEE Standards and IEEE educational courses.

Access URL - <https://ieeexplore.ieee.org/>

You are invited to learn more about:

- Time saving features for your research using IEEE Xplore Digital Library.
- Facets to "drill down" to obtain precision and relevancy (retrieving the right set of articles out of almost 40 lakh full text articles)
- Supplemental items like Media, codes and datasets.
- Keeping track of latest publications in your area
- Interactive HTML article for efficient reading
- Tracking technology trends
- IEEE Data Port, CODE OCEAN
- My Xplore App

and many more!

Participate in IEEE Xplore Quiz and win exciting prizes!!!

IEEE DataPort

IEEE Xplore

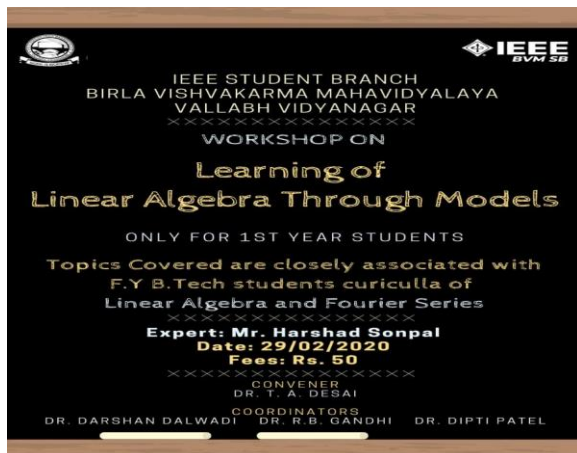




Learning of Linear Algebra through Models

Objective: To cultivate and improve the practical aspects of understanding of linear algebra and Fourier series through models.

About the event: The event started at around 9:45 AM in the presence of **Dr. T. A. Desai, Dr. Dipti Patel, Dr. R. B. Gandhi, Dr. M. E. Shimpi** and **Dr. Darshan Dalwadi** of Birla Vishvakarma Mahavidyalaya, Vallabh Vidyanagar. The topics of discussion were given focus on through models. Their applications in the engineering field were explained to the students. In all, the workshop was very informative and all the doubts regarding the understanding of general Engineering Mathematics topics like Linear Algebra and Fourier series were discussed effectively for future application by the participants.





Making of Project Report, Poster and Presentation Effectively

Objective: To cultivate and improve the presentation skills amongst students, which would help them in developing the project. Students would be able to make professional project reports in a structured format and present them effectively.

About the event: The event started at around 9:30 AM under the presence of **Dr. Darshan Dalwadi**, and **Prof. Ghanshyam Rathod**, Faculty of Electronics and Communication Department, Birla Vishvakarma Mahavidyalaya Vallabh Vidyanagar. The entire event was divided into two parts. The first part was about making project report and its formatting which was conducted by Prof. Ghanshyam Rathod and the second part was about Poster making and presenting skills. In all, the workshop was very informative, many of student's doubts were cleared and they got a deeper understanding on project report formatting and presenting it effectively.

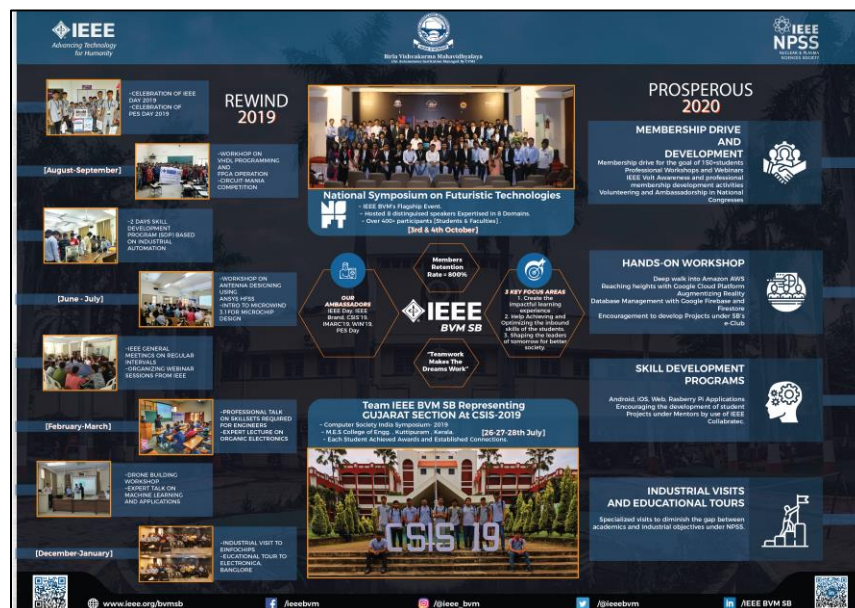




Visit to Sampark 2020

Objective: The main purpose behind Sampark'20 was to enhance the level of communication among young professionals by organizing a networking event, giving technical exposure via talks from professional, poster making and project exhibition etc. An opportunity was provided to the IEEE student members of all the branches under Gujarat Section to build strong networks amongst one another. We are very much thankful to **Prof. Mayur Sevak** and **Dr. Darshan Dalwadi** for supporting us throughout the trip and making it fruitful.

About the event: SAMPARK is an annual IEEE Gujarat Section event organized by IEEE Gujarat Section itself, for students, where all the student members showcase IEEE activities carried out by their respective student branches throughout the last year and plan the activities for the coming year. SAMPARK'20 began with a healthy breakfast and a warm welcome by Ganpat University volunteers via a kit and a gift. After that, all the student branches were asked to showcase their posters for the poster presentation contest. A warm welcome address was delivered by chairman of IEEE Gujarat section Manik Lal Das where he motivated all the students to enhance their productivity to next level and make the best out of the opportunities that are provided by IEEE. After that valuable talk, the question-answer session began, where all the candidates asked about various clarifications associated with start-ups, collaborations among student branches etc. After that, a lecture was delivered by Padma Shri Ganpatbhai Patel, Patron Donor of Ganpat University, Gujarat (India). After lunch, the project exhibition commenced where all the student branches represented their best project of the year. Finally, SAMPARK'20 was concluded with a warm closing ceremony and high tea.







Other Events / Visits



International Conference on Research and Innovation in Science and Technology (Digital) ICRISSET 2020

Birla Vishvakarma Mahavidyalaya has planned to organize an online flagship event International Conference on Recent Trends in Science and Technology – ICRISSET 2020, during the period of 4th September 2020 – 5th September 2020. With the theme "Responding to the Challenges of Globalization through Science, Engineering and Technology Innovations," ICRISSET- 2020 is a two-day event which brings together science and engineering professionals and researchers in the country and in other parts of the world to share recent discoveries and results of their scientific inquiries. The organizer cordially invites full-length research papers from all over the world to participate in the International Conference on "Research and Innovations in Science, Engineering & Technology" (ICRISSET-2020).

Start Date: 2020-09-04

End Date: 2020-09-05



Virtual Walk Around Campus Radio Station

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.

Start Date: 2020-06-02

End Date: 2020-06-02



Industrial Visit to BSNL Telecom, V.U. Nagar, Anand

Bharat Sanchar Nigam Limited (abbreviated BSNL) is an Indian state-owned telecommunications company headquartered in New Delhi. It was incorporated on 15 September 2000 and assumed the business of providing telecom services and network management from the erstwhile Central Government Departments of Telecom Services (DTS) and Telecom Operations (DTO) as of 1 October 2000 on a going-concern basis. It is the largest provider of fixed telephony and broadband services with more than 60% market share and is the fourth largest mobile telephony provider in India. BSNL is India's oldest communication service provider and its history can be traced back to the British era.

Start Date: 2020-02-29

End Date: 2020-02-29



Technical Visit At “Zydus Hospital”

Zydus Hospitals has very selectively appointed the best of American / Europe Trained Medical Specialists, Paramedics, Nursing & Administrative Staff. This would be amongst the handful of hospitals in its league which has dedicated full-time medical specialists. This shall ensure complete round the clock care and availability.

Start Date: 2020-02-06

End Date: 2020-02-06



Team of IEEE BVM Student Branch (2020)

Faculty Members

SR. NO.	Name	Designation
1)	Dr. Indrajit Patel	Principal, BVM Engineering College
2)	Dr. Jagdish Rathod	Faculty Advisor, IEEE BVM SB
3)	Dr. Darshan Dalwadi	Branch Counselor, IEEE BVM SB

Student Team

SR. NO.	Name	Designation
1)	Yagnik Mehta	Chairperson
2)	Devansh Parikh	Team Mentor
3)	Kedar Patel	Team Mentor
4)	Nisarg Patel	Vice Chairperson
5)	Shreyans Patel	Secretary
6)	Parth Shah	Finance Lead
7)	Shivam Dalsaniya	Webmaster
8)	Harsh Navadiya	Design Lead
9)	Deep Sakhiya	Design Lead
10)	Rudrax Dave	NPSS Chapter Chairperson
11)	Vatsal Shah	NPSS Chapter Secretary
12)	Kruti Kamdar	Documentation Lead
13)	Himanshu Thacker	Public Relations Officer
14)	Drashti Shah	Publicity Lead
Branch Representatives		
15)	Ibrahim Koicha	Electronics Branch Representative
16)	Jaimin Shimpi	IT Branch Representative
17)	Galav Bhatt	Electrical Branch Representative
18)	Dhruv Pokar	Electrical Branch Representative
19)	Jay Prajapati	Mechanical Branch Representative
20)	Rutvik Maheshwari	Electronics & Communication Branch Representative
Documentation Team		
21)	Gaurav Barve	Team Member
Design Team		
22)	Aditya Shah	Team Member
23)	Stutee Dave	Team Member
24)	Mansi Patel	Team Member
25)	Shruti Jha	Team Member



26)	Nirbhay Chaplot	Team Member
Publicity Team		
27)	Venu Upadhyay	Team Member
28)	Fenil Goghari	Team Member
29)	Atharva Bhawe	Team Member
30)	Dhruv Patel	Team Member
31)	Shubh Suthar	Team Member
32)	Umag Patoliya	Team Member
Student Branch Executive Officers		
33)	Harsh Modi	Inventory Officer



IEEE BVM Student Branch Executive Committee 2021-2022

SR. NO.	Name	Designation
1)	Dr. Jagdish Rathod	Faculty Advisor, IEEE BVM SB
2)	Dr. Darshan Dalwadi	Branch Counselor, IEEE BVM SB

Student Branch Executive Committee			
Sr.	Position	Officer Name	Responsibilities
1	Chairperson	Jaimin Shimpi	<ul style="list-style-type: none"> ✓ The Student Branch Chair is the key to effective student leadership. ✓ The Student Branch Chair is responsible for the overall management of all Branch affairs.
2	Vice- Chairperson	Ibrahim Koicha	<ul style="list-style-type: none"> ✓ The Student Branch Vice-Chair is the Junior Executive Officer. ✓ Help the Branch Chair with the workload, oversee some of the subcommittees and manage some of the activities throughout the Operational Year.
3	Secretary	Galav Bhatt	<ul style="list-style-type: none"> ✓ Internal Management of SB ✓ Manage Student Branch Committee ✓ Responsible for all the correspondence. ✓ Lookup up to every documentation including reports, strategies, etc.
4	Treasurer	Zeelrajsinh Mahida	<ul style="list-style-type: none"> ✓ Work with Executive Committee in developing a budget and monitor it. ✓ Manage the financial transactions related to SB and keep it up-to-date. ✓ Prepare Annual Financial Report
5	Webmaster	Khanjan Marthak	<ul style="list-style-type: none"> ✓ Develop and Introduce latest frameworks and maintain the official website of SB. ✓ Update Student Branch Website timely. ✓ Assist the Developer team and try to introduce new methods to increase engagements.
6	Joint Secretary	Shailesh Bambhaniya Om Shukla	<ul style="list-style-type: none"> ✓ Assist the Secretary and coordinate with department managers. ✓ Oversee each phase of the events to ensure it runs smoothly. ✓ Do the final checks in any event to ensure everything meets the standards of our SB



NPSS Chapter Executive Committee			
Sr.	Position	Officer Name	Responsibilities
1	Chairperson	Gaurav Barve	<ul style="list-style-type: none"> ✓ Head and manage NPSS Chapter and its activities. ✓ Develop goals for the operational year.
2	Secretary	Dhruv Pokar	

Student Branch R&D Officers			
Sr.	Position	Officer Name	Responsibilities
1	Senior R&D Officer	Jay Prajapati	<ul style="list-style-type: none"> ✓ New Process development. ✓ Existing process improvement. ✓ Coordination with Executive committee. ✓ Data generation and proper documentation.
2	Senior R&D Officer	Dhruv Pokar	
3	R&D Officer	Om Shukla	

Student Branch Executive Officers			
Sr.	Position	Officer Name	Responsibilities
1	Public Relations Officer	Venu Upadhyay	<ul style="list-style-type: none"> ✓ Handle out the external and internal public affairs of SB. ✓ Deal with other volunteers and external professionals. ✓ Monitor the Social Media to ensure SB is not advertently misrepresented. ✓ Documenting communications with other professionals and collating news.
2	Membership Development Officer	Stutee Dave	<ul style="list-style-type: none"> ✓ Develop and implement strategies to maintain and increase membership growth of the SB. ✓ Increase the retention rate of SB and conduct various activities for the same. ✓ Create awareness among the students about IEEE and its benefits.



Student Branch Committee Leads			
Sr.	Position	Officer Name	Responsibilities
1	Marketing Lead	Atharva Bhavne	✓ Develop and Implement new marketing strategies
2	Documentation Lead	Gaurav Barve	✓ Review the Official Documents and Reports of the SB.
3	Design Lead	Dhruvil Modh	✓ Determine the Creative Vision for any events and manifest that through digital or print media
4	Creative Content Lead	Mansi Patel	✓ Determine the Creative Vision for any events and manifest it with content.

Department Representative			
Sr.	Position	Officer Name	Responsibilities
1	Electronics Department Representative	Dipesh Vadhvani Pragnesh Prajapati	✓ Spread awareness about IEEE and its societies. ✓ Coordinate with Lead of Human Resource to maximize the active participation of Students. ✓ Plan and execute different activities and workshops regarding their respective departments. ✓ Manage and maintain their respective department students' information.
2	Electronics & Communication Department Representative	Rishit Thakkar Hemangini Bhatt	
3	Electrical Department Representative	Abhishek Raghuvanshi	
4	Mechanical/Production Department Representative	Keivalya Pandya	
5	Computer Department Representative	Jimish Ravat	
6	IT Department Representative	Ishaan Patel	

Design Team			
Sr.	Position	Officer Name	Responsibilities
1	Team Member	Nitya Parikh	✓ Work with creative vision and convert it into design for any project, website, promotion, etc.
2	Team Member	Rajvi Jain	
3	Team Member	Shivani Singh	

Documentation Team			
Sr.	Position	Officer Name	Responsibilities
1	Team Member	Kinnaree Shah	✓ Create the official documents and reports of the SB.
2	Team Member	Yash Tibra	



Publicity Team			
Sr.	Position	Officer Name	Responsibilities
1	Publicity Head	Pankti Shah	✓ Market the different activities of the SB.
2	Team Member	Dipesh Vadhvani	
3	Team Member	Keivalya Pandya	
4	Team Member	Pragnesh Prajapati	
5	Team Member	Prit Vadaliya	

Developer Team			
Sr.	Position	Officer Name	Responsibilities
1	Team Member	Hit Patel	✓ Discuss and develop the methodology used in the project. ✓ Work upon deadlines and provide regular updates to Web Master.
2	Team Member	Kishan Soni	
3	Team Member	Keyur Patel	
4	Team Member	Rhutvi Vyas	
5	Team Member	Khushi Mehta	
6	Team Member	Rutvik Kansara	

Scan to visit out YouTube Channel:



“Advancing Technology for Humanity”



IEEE
BVM SB

IEEE BVM
STUDENT BRANCH



ANNUAL
REPORT
2021-2022



Table of Contents

Summary of Events.....	3
Events organized by IEEE BVM Student Branch	4
International Colloquium on Emerging Technologies 2021	4
Computer Symposium 2021	11
TECHXPERTS WEBISODES EPISODE 0: Git & GitHub	16
TECHXPERTS WEBISODES EPISODE 1: A.I. & its applications	17
TECHXPERTS WEBISODES EPISODE 2: Use of 5G and Beyond Technology in Future Telecommunication	18
Webinar on Digitization and IoT.....	19
Workshop on 'Solution to Differential Equations using MATLAB	20
CELEBRATION of IEEE DAY 2021	21

Official Website of IEEE BVM Student Branch

www.ieeebvmsb.com

Scan to visit out YouTube Channel:





Summary of Events

Title of the Event	Date Of the Event	Total Participants
International Colloquium on Emerging Technologies 2021	18/09/2021 to 22/09/2021	1500+
Computer Symposium 2021	04/10/2021 to 10/04/2021	112
TECHXPERTS WEBISODES Episode 0: Git and GitHub	14/02/2021	250
TECHXPERTS WEBISODES EPISODE 1: A.I. & its applications	19/06/2021	300
TECHXPERTS WEBISODES EPISODE 2: Use of 5G and Beyond Technology in Future Telecommunication	26/06/2021	250
Webinar on Digitization and IoT	03/07/2021	50+
Workshop on “Solution to Differential Equations using MATLAB”	25/09/2021	78
CELEBRATION of IEEE DAY 2021	05/10/2021	200+



Events organized by IEEE BVM Student Branch

International Colloquium on Emerging Technologies 2021



Objective: This colloquium focuses on “Empowering Technophiles, Envisioning Tomorrow” because the future is uncertain and these technologies have the potential to change our entire future, our mindset, the way things work, our approach and outlook towards life. 1500+ Participants registered for this mega event.

About the event: IEEE BVM SB had organized an online flagship event International Colloquium on Emerging Technologies 2021 during the period of 18th September to 22nd September. For this mega event we had a total of 6 dignitaries talking about futuristic technologies. The aim of spreading awareness about different emerging technologies, while getting to know about it from the speakers of renowned organizations like NASA, Rolls Royce, SAP, etc.

Highlights of Expert Speakers & Tracks:

Speaker Name	Position & Working Lab / Institution	Track	Session Date	Session Timings (IST)
Mr. Pratik Gauri	President, United States based 5th Element Group	Industry 5.0	18 th September 2021	11:00 AM IST.
Ms. Karolina Gorna	President, KRYPTOSPHERE®, France	Blockchain and Self Sovereign Identity	18 th September 2020	6:30 PM IST (3:00 PM CET)
Ms. Rajashree Rao	Head of AI Innovation Hub & Partnerships and Ecosystem (APAC) at R ² Data Labs, Rolls Royce	Internet of Behaviour (IoB)	19 th September 2021	10:30 AM IST
Mr. Deepak Kumar	Sr Digital Forensics & Cyber Intelligence Expert, India	Digital Forensics	19th September 2021	5:00 PM IST
Dr. Sai Hareesh	Research Expert, SAP Innovation Centre	Computer Vision and its Application	21st September 2021	6:30 PM IST
Dr. Mohan Shankar	Science Directorate, NASA Langley Research Centre	Clouds and Earth's Radiant Energy System (CERES)	22nd September 2021	6:30 PM IST (9:00 AM EDT)
Dr. Anum Ashraf	Principal Investigator, DEMETER IIP at NASA			



PANEL OF SPEAKERS AT ICET 2021

IEEE BVM SB

ICET
EMPOWERING TECHNOPHILES,
ENVISIONING TOMORROW

INTERNATIONAL COLLOQUIUM ON EMERGING TECHNOLOGIES 2021
18th - 22nd SEPTEMBER 2021

MS. KAROLINA GORNA
BLOCKCHAIN AND
SELF SOVEREIGN
IDENTITY
Kryptosphere, France

MR. DEEPAK KUMAR
DIGITAL FORENSICS
Cyber Intelligence Expert

DR. SAI HAREESH
COMPUTER VISION
AND IT'S APPLICATION
SAP Innovation Centre

DR. ANUM ASHRAF
DEMETER IIP at NASA

MR. PRATIK GAURI
INDUSTRY 5.0
USA based 5th Element group

MS. RAJSHREE RAO
INTERNET OF
BEHAVIOUR (IoB)
R* Data Labs, Rolls Royce

DR. MOHAN SHANKAR
NASA Langley Research Centre

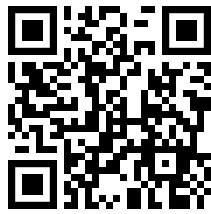
**CLOUDS AND EARTH'S
RADIANT ENERGY
SYSTEM (CERES)**

www.ieeebvmsb.com

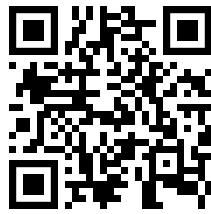
[f](#) [ig](#) [tw](#) [in](#) /ieeebvm



ICET 2021 Playlist



ICET 2021 Teaser



ICET 2021 Trailer



ICET 2021 Glimpses



Inauguration of International Colloquium on Emerging Technologies 2021

The opening ceremony under the grand banner of **ICET'21- International Colloquium of Emerging Technologies 2021** was initiated by **Dr Indrajit Patel, Principal of Birla Vishvakarma Mahavidyalaya Engineering College** with an insightful inaugural address. This was followed by some presidential remarks enriched with wisdom and apprehension from **Er Bhikhubhai Patel, Chairman – Charutar Vidya Mandal and President of CVM University**.

Furthermore, **Dr Darshan Dalwadi, Branch Counsellor of IEEE BVM SB** elucidated about the organizing student branch of ICET'21 and convoluted the entire spectrum of sessions under ICET'21 to the technophilic audience. Later, the guest of honour, **Dr Sachin Parikh, Joint Director of Technical Education, Government of Gujarat and Chairman – ISTE, Gujarat Section** was introduced to the podium. The entire assemblage was graced by his inspiring words. This was eventually followed by **Dr Darshan Dalwadi, Branch Counsellor of IEEE BVM SB** extending a vote of thanks to all the dignitaries.





Event at a Glance

Session 1 began with **Mr. Pratik Gauri, India President, United States based 5th Element Group** discussed about **Industry 5.0**. Industry 5.0 is a model of the next level of industrialization characterized by the return of manpower to factories, distributed production, intelligent supply chains and hyper customization with “betterment of humanity”.

Session 2 began with **Ms. Karolina Gorna, President - KRYPTOSPHERE, France** who discussed about **Blockchain & Self Sovereign Identity**. Ms. Karolina has been working on Self Sovereign Identity (SSI) for a few months whose ideology is to reclaim human dignity and authority in the digital world. SSI is based on the UN Universal Declaration of Human Rights.

Session 3 started with **Ms. Rajashree Rao Head of AI Innovation Hub & Partnerships and Ecosystem (APAC) at R² Data Labs, Rolls Royce** and discussed about **Internet of Behavior**. The concept of IoB is heavily based on individuality and focused on each and every individual to cater their experience to the best and how this can be a powerful tool for business and financial institutions.

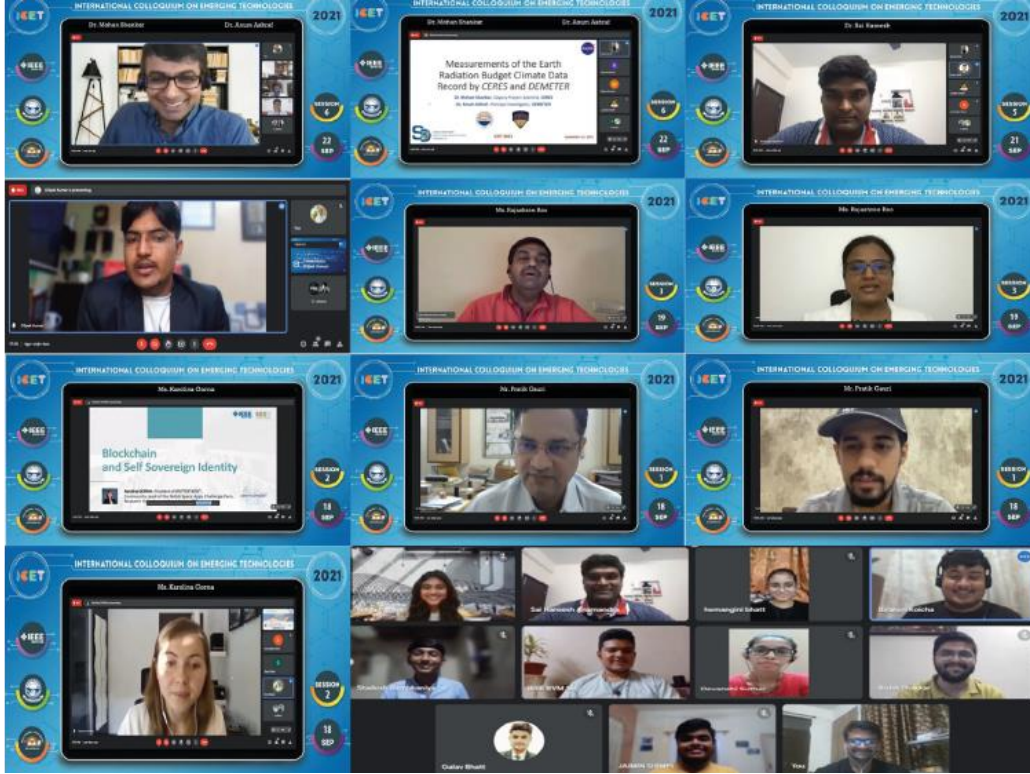
Session 4 began with **Mr. Deepak Kumar Sr Digital Forensics & Cyber Intelligence Expert, India** discussed about **Digital Forensics**. The expert started the session by briefing about Critical Information Infrastructure (CII), cyber security domains, Trends and Tactics and also discussed some cyber case studies.

Session 5 began with **Dr. Sai Hareesh Research Expert, SAP Innovation Centre** discussed about **Computer vision and its application**. He briefed about the history of computer vision. He also explained about the input image, Edge image, and 3-D model.

Session 6 began with **Dr. Mohan Shankar Science Directorate, NASA Langley Research Centre, and Dr. Anum Ashraf Principal Investigator DEMETER IIP at NASA** discussed about **Clouds and Earth’s Radiant Energy System (CERES)**. The experts talked about earth’s radiation budget (ERB), measurements carried out by CERES, next generation of ERB measurements with DEMETER, IIP CERES and payload and spacecraft mass of DEMETER.



GLIMPSES OF THE EVENT



ઈન્ટરનેશનલ કોલોક્યુમ ઓન ઈમર્જિંગ ટેકનોલોજીસ-21નો પ્રારંભ

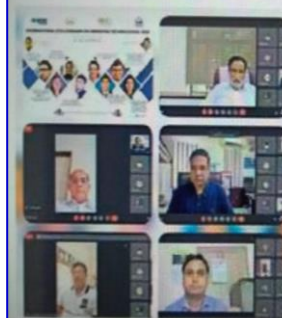
નવગુજરાત સમય > આગંદ

વલ્લભ વિદ્યાનગર સ્થિત ચારુતર વિદ્યામંડળ સંચાલિત બીવીએમ એન્જિનિયરીંગ કોલેજમાં ઈન્ટરનેશનલ કોલોક્યુમ ઓન ઈમર્જિંગ ટેકનોલોજીસ 2021ના માધ્યમથી ટેકનોલોજીકલ ફ્યુચર પ્રેડિક્શન દ્વારા વિદ્યાર્થીઓને ઈન્ટરનેશનલ નોલેજ પ્લેટફોર્મ પુરું પાડવા સાથે ટેકનોફાઈલ્સને એમ્પાવર કરવાનો પ્રયાસ હાથ ધરવામાં આવ્યો છે. બીવીએમ કોલેજના પ્રિન્સિપાલ ડો.ઈન્દ્રજીત પટેલે જણાવ્યું કે, ઇવેન્ટમાં ઈન્સ્ટ્રી 5.0, બ્લોક ચેઇન એન્ડ સેલ્ફ સોવેરીએન આઈડેન્ટિટી, ઈન્ટરનેટ ઓફ થિંગ્સ, ડિજિટલ ફોરેન્સિક્સ, ક્વોન્ટમ કોમ્યુટિંગ, કમ્પ્યુટરવિઝન એન્ડ ઈટ્સ એપ્લિકેશન, ક્લાઉડ એન્ડ અર્થ રિવોલ્યુશન એનર્જી સિસ્ટમ જેવા વિષયો પર યુએસએ, જાન્યુઆરી 2021 ના NASA, રોલ્સ રોયસ, માઈક્રોસોફ્ટ,



SAP Innovation Centre જેવી શ્રેષ્ઠ સંસ્થાઓ તથા કંપનીઓના તજજ્ઞો પોતાનું નોલેજ પુરું પાડશે. આ પ્રસંગે ઉપરોક્ત ફ્લેગશિપ ઇવેન્ટ માટે ચારુતર વિદ્યામંડળના અધ્યક્ષ ભીખુભાઈ પટેલે જણાવ્યું હતું કે ઇવેન્ટમાં વર્તમાન સમયના ટેકનોલોજીકલ ટ્રેન્ડ્સ ઓન એન્જિનિયરીંગ એન્ડ ટેકનોલોજીનો સમાવેશ કરાવ્યો છે. તથા તેના વિષયો એ વિદ્યાર્થીઓ તથા અધ્યાપકો માટે રિસર્ચ પ્લેટફોર્મ પુરું પાડશે. અંતે ડૉ.ઈન્દ્રજીત પટેલે આભાર વ્યક્ત કર્યો હતો.

બીવીએમ ખાતે ઇન્ટરનેશનલ કોલોક્યુમ ઓન ઈમર્જિંગ ટેકનોલોજીસ -21નો પ્રારંભ



આઈઈ ભાસ્કર | ચારુતર વિદ્યામંડળ ના અધ્યક્ષ તથા સીવીએમ યુનિવર્સિટી ના પ્રેસિડેન્ટ એન્જિનીયર ભીખુભાઈ પટેલ ના વડપણ તથા માર્ગદર્શન હેઠળ ચારુતર વિદ્યામંડળ સંચાલિત બિરલા વિશ્વકર્મા મહાવિદ્યાલય ખાતે IEEE સ્ટુડન્ટ બ્રાન્ચ દ્વારા 5 દિવસીય ઈન્ટરનેશનલ કોલોક્યુમ ઓન ઈમર્જિંગ ટેકનોલોજીસ 2021 નો પ્રારંભ કરવામાં આવ્યો જેમાં મુખ્ય અતિથિ તરીકે એન્જિનીયર ભીખુભાઈ પટેલ, ડૉ.સચિન પરીખ, ડૉ.ઈન્દ્રજીત એન.પટેલ (પ્રિન્સિપાલ, બીવીએમ), ડૉ.જગદીશ એમ.રાઘોડ (કન્વીનર, ICET 2021 તથા એડવાઈઝર, IEEE બીવીએમ સ્ટુડન્ટ બ્રાન્ચ), ડૉ.દર્શન દલવાડી (ઓર્ગનાઈઝર ICET 2021 તથા બ્રાન્ચ કોઓર્ડિનેટર, IEEE બીવીએમ સ્ટુડન્ટ બ્રાન્ચ) ઉપસ્થિત રહ્યા હતા.



Team of International Colloquium on Emerging Technologies 2021

Faculty Team

SR. NO.	Name	Designation
1)	Dr. Indrajit Patel	Principal, BVM Engineering College
2)	Dr. Jagdish Rathod	Faculty Advisor, IEEE BVM SB
3)	Dr. Darshan Dalwadi	Branch Counsellor, IEEE BVM SB
4)	Dr. Bhargav Goradiya	Team Member
5)	Dr. Rashesh P. Mehta	Team Member
6)	Dr. Tanmay D. Pawar	Team Member
7)	Dr. Mukesh Shimpi	Team Member
8)	Dr. Keyur Brahmbhatt	Team Member

Team Mentors

SR. NO.	Name	Designation
1)	Jaimin Shimpi	Organizing Team Mentor
2)	Ibrahim Koicha	Organizing Team Mentor
3)	Galav Bhatt	Organizing Team Mentor
4)	Zeelrajsinh Mahida	Organizing Team Mentor
5)	Gaurav Barve	Organizing Team Mentor
6)	Atharva Bhav	Organizing Team Mentor
7)	Khanjan Marthak	Organizing Team Mentor
8)	Dhruv Pokar	Organizing Team Mentor



Organizing Student Team

SR. NO.	Name	Designation
9)	Om Shukla	Organizing Lead
10)	Shailesh Bambhaniya	Organizing Lead
11)	Devanshi Suthar	Organizing Team
12)	Nitya Parikh	Organizing Team
13)	Swar Shah	Organizing Team
14)	Hemangini Bhatt	Organizing Team
15)	Rishit Thakkar	Organizing Team
16)	Hit Patel	Web Team Lead

& Team ICET'21



Team IEEE BVM Student Branch
Birla Vishvakarma Mahavidyalaya Engineering College
Vallabh Vidyanagar, Anand, Gujarat. PIN – 388120



Computer Symposium 2021

COMPUTER SYMPOSIUM 2021

"Enhancing Technocrats for a Better Future"

Objective: 'Computer Symposium 2021' organized by IEEE BVM Student Branch, Computer Society of India (CSI) - BVM, & Developer Students Club (DSC) - BVM is a series of Expert Sessions on various domains of Computer Science & Technologies with an aim of uplifting technocrats for a better future.

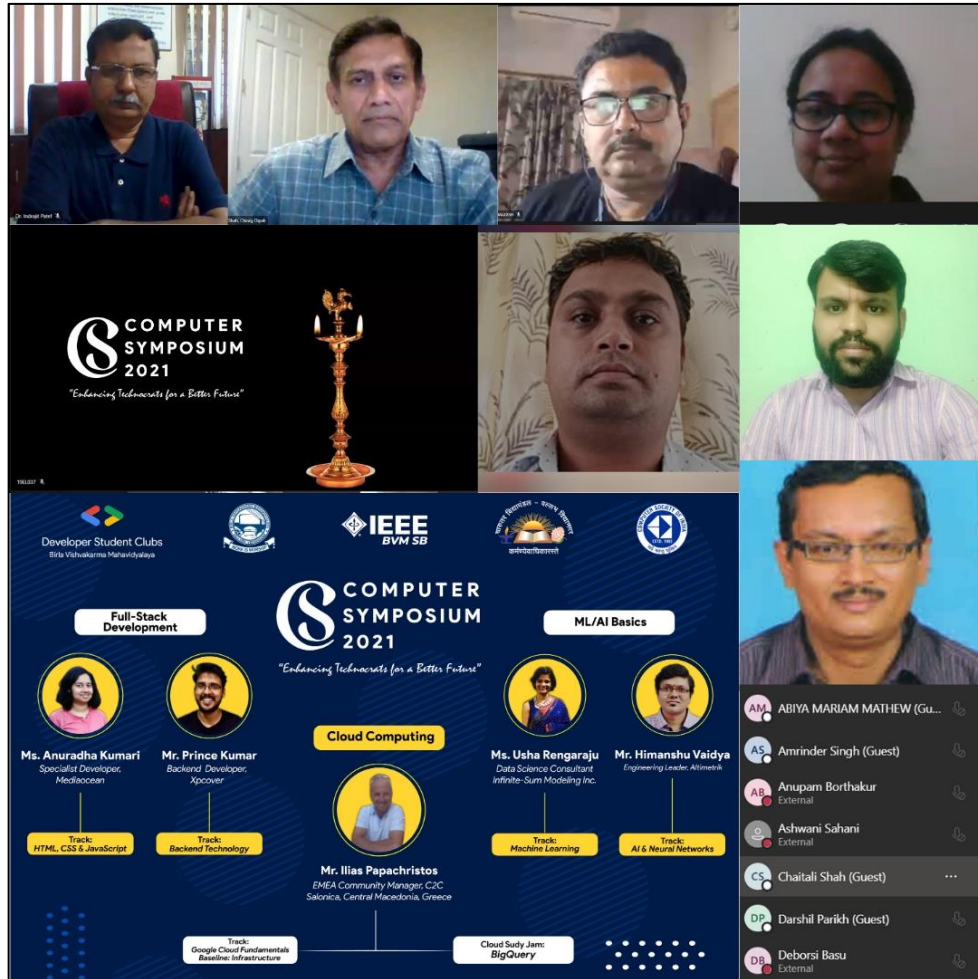
About the event: The Symposium will be covering domains of Full-Stack Web Development, (HTML, CSS, JavaScript), Machine Learning Basics, Neural Networks and Introduction to Artificial Intelligence as well as Cloud Computing Technologies. **Total 112 participants** registered in this lecture series from various parts of India.

Highlights of Expert Speakers & Tracks:

Date / Day	Session Details	Speaker Details	Timings
4 th April 2021 (Sunday)	Inaugural Ceremony	Dr. Indrajit Patel Mr. Dipak Shah	10:00 AM onwards
	HTML, CSS, JavaScript	Ms. Anuradha Kumari	10:30 AM – 12:30 PM
5 th April 2021 (Monday)	Backend Technology	Mr. Prince Kumar	04:00 PM – 06:00 PM
6 th April 2021 (Tuesday)	Machine Learning	Ms. Usha Rengaraju	01:00 PM – 03:00 PM
7 th April 2021 (Wednesday)	Neural Networks and A.I.	Dr. Mousami Munot	01:00 PM – 02:30 PM
8 th April 2021 (Thursday)	Google Cloud Fundamentals	Mr. Ilias Papachristos	04:00 PM – 06:00 PM
9 th April 2021 (Friday)	Cloud Study Jam: BigQuery	Mr. Ilias Papachristos	04:00 PM – 06:00 PM



Inauguration of Computer Symposium 2021



The Inaugural Ceremony of Computer Symposium 2021 began with **Dr. Indrajit Patel, Principal, BVM Engineering College** gracing the ceremony with his kind words. He motivated the audience to enhance their knowledge and explore the areas of Computer Technologies through these sessions. Next, the Chief Guest of Ceremony and BVM Alumnus **Mr. Dipak Shah** is the **CEO of USA based LynxAI Corp**, congratulated and wished the team with success blessings and described importance of technologies in today's world. He greeted the participants and all the members. Next, **Dr. Jagdish Rathod, Faculty Advisor, IEEE BVM SB** gave remarks on theme of the symposium.



Event at a Glance

Session 1 began with **Ms. Anuradha Kumari, Specialist Developer at MediaOcean**, clarifying the basic difference between HTML, CSS and JavaScript. She shared an in-depth knowledge of developing a front-end using these tools which makes one's site more user friendly and user attractive.

Session 2 began with **Mr. Prince Kumar, Backend developer at XpCover**, explaining different types of back-end technologies and which are frequently used in industries. He then gave a live hands-on demonstration on Node Js which is one of the most frequent Backend Technology used nowadays.

Session 3 began with **Ms. Usha Rengaraju, Data Science Consultant at Infinite-Sum Modeling Inc.**, explaining the role of Artificial Intelligence in various industries and future scope of Artificial Intelligence. She demonstrated different libraries which are used for prediction and classification in Machine Learning.

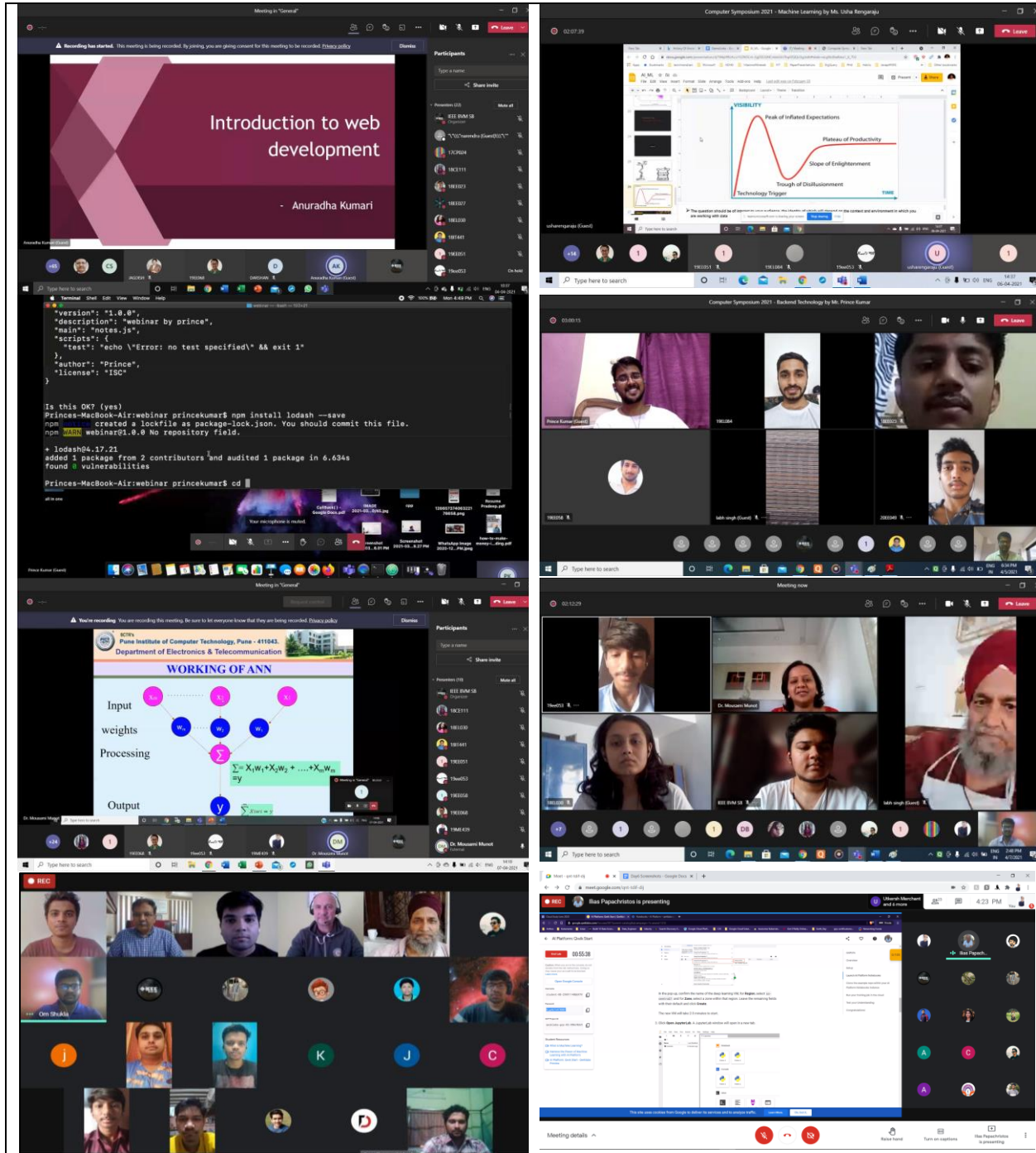
Session 4 began with **Dr. Mousami Munot, Associate Professor, Pune Institute of Technology** started off with an introduction of real applications in the field of Image processing, artificial intelligence, deep learning. She individually stated and elaborated well each and every domain and their pros and cons. At a conclusion, she shown a video portraying world with A.I. and futuristic things that may turn the world technologically upside down.

Session 5 began with **Mr. Ilias Papachristos, EMEA Community Manager, C2C Salonica, Central Macedonia, Greece** starting off with basics of cloud computing and explaining all the tools and methods included in the computing also in his session.

Session 6 began with **Mr. Ilias Papachristos, EMEA Community Manager, C2C Salonica, Central Macedonia, Greece** starting off with revising what he had discussed the previous day. He carried out a live GCloud session wherein all the participants were able to perform cloud tasks in stipulated time.



GLIMPSES OF THE EVENT





Print Media Coverage

બિરલા વિશ્વકર્મા મહાવિદ્યાલય ખાતે કમ્પ્યુટર સિમ્પોઝિયમ-૨૦૨૧ નો પ્રારંભ

આણંદ, તા. ૦૫

ચાત્રતર વિદ્યામંડળ સંચાલિત બિરલા વિશ્વકર્મા મહાવિદ્યાલય ખાતે આઈઈઈઈઈ સ્ટુડન્ટ બ્રાન્ચ, સીએસઆઈ સ્ટુડન્ટ બ્રાન્ચ તથા ડેવલપર સ્ટુડન્ટ ક્લબ અંતર્ગત ૬ દિવસીય કમ્પ્યુટર સિમ્પોઝિયમ ૨૦૨૧ નો પ્રારંભ કરવામાં આવ્યો. જેમાં મુખ્ય અતિથિ તરીકે ટિપક શાહ (CEO, Lynx AI Corp. USA), ઈન્ડસ્ટ્રીઅલ એક્સપર્ટ અનુરાધા કુમારી (Specialist Developer, Mediaocean), ડૉ. ઈન્દ્રજિત એન. પટેલ (પ્રિન્સિપાલ, બી.વી.એમ), ડૉ. જગદીશ એમ. રાઠોડ (ફેકલ્ટી એડવાઈઝર, આઈઈઈઈઈ સ્ટુડન્ટ બ્રાન્ચ, બી.વી.એમ.), ડૉ. દર્શન દલવાડી (ફેકલ્ટી કાઉન્સેલર, આઈઈઈઈઈ સ્ટુડન્ટ બ્રાન્ચ, બી.વી.એમ.), ડૉ. એન. એમ. પટેલ (ફેકલ્ટી કાઉન્સેલર, સીએસઆઈ સ્ટુડન્ટ બ્રાન્ચ, બી.વી.એમ.), ડૉ. વત્સલ શાહ (ફેકલ્ટી કાઉન્સેલર, ડેવલપર સ્ટુડન્ટ ક્લબ, બી.વી.એમ) ઉપસ્થિત રહ્યા હતાં.

ટિપક શાહે આર્ટિફિશિયલ ઈન્ટેલિજન્સ તથા ડેટા માઈનિંગ વિષે રસપ્રદ માહિતી આપી હતી. કમ્પ્યુટર સિમ્પોઝિયમ-૨૦૨૧ માં અનુરાધા કુમાર (Specialist Developer, mediaocean) HTML, CSS, Java script પર પ્રિન્સ કુમાર (Backend Developer, Xpcover) બેકેન્ડ ટેકનોલોજી પર કુમારી ઉષા રંગારાજુ (Data Science Consultant, Infinite-Sum Modeling Inc.) મશીન લર્નિંગ પર, હિમાંશુ વૈદ્ય (Engineering Leader, Altimetrik) ન્યુરલ નેટવર્ક્સ તથા એ.આઈ. પર ઈલિયાસ પાપાક્રિસ્ટોસ (EMEA Community Manager, C2C Salonica, Central Macedonia,



Greece) ગુગલ ક્લાઉડ ફંડામેન્ટલ્સ તથા ક્લાઉડ સ્ટડી જામ: બિગ ક્વેરી પર પોતાનું નોલેજ પૂરું પાડ્યો. ડૉ. દર્શન દલવાડીએ ઉપસ્થિત એક્સપર્ટનો પરિચય આપ્યો હતો.

કમ્પ્યુટર સિમ્પોઝિયમ ૨૦૨૧ માં ૧૦૫ થી વધુ વિદ્યાર્થીઓએ ભાગ લીધો છે. સિમ્પોઝિયમને સફળ બનાવવા માટે સ્ટુડન્ટ કોર્ડીનેટર જૈમિન સિંપી, જય પટેલ તથા ધ્રુવિલ કોટેચાએ ઉત્સાહપૂર્વક કામગીરી હાથ ધરી હતી. ચાત્રતર વિદ્યામંડળના અધ્યક્ષ બીજુભાઈ પટેલ તથા હોદ્દાદારોએ શુભેચ્છા વ્યક્ત કરી હતી.



TEAM COMPUTER SYMPOSIUM 2021

Organizing Team Heads

Mr. Jainmin Shimpi
(IEEE BVM Student Branch)

Mr. Jay Patel
(Developer Student Club, BVM)

Mr. Dhruvil Kotecha
(Computer Society of India, BVM)



Team IEEE BVM SB

Team DSC, BVM

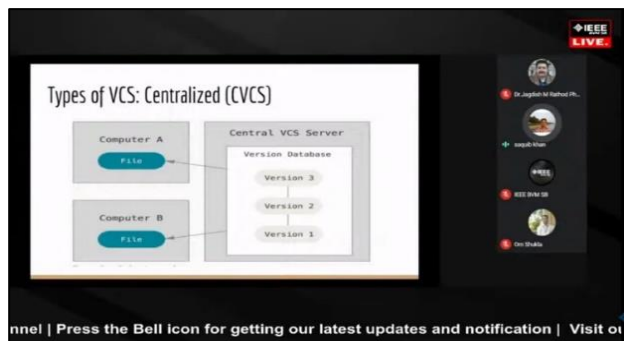
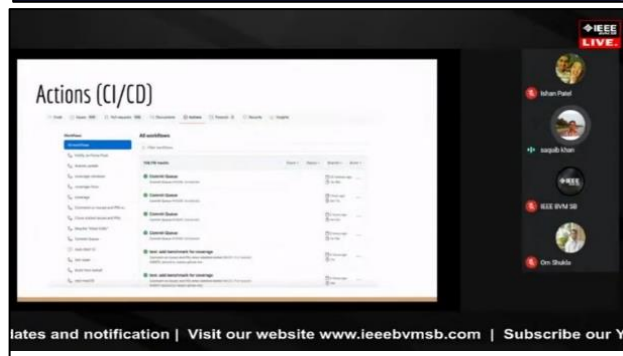
Team CSI, BVM



TECHXPERTS WEBISODES EPISODE 0: Git & GitHub

Objective: To develop practical as well as technical knowledge amongst undergraduate students and make them ready with the tools required towards building their career in this field.

About the Event: The event started at around 2:45 PM. **Dr. Jagdish Rathod, Faculty Advisor, IEEE BVM SB** gave the opening remarks and introduced the expert of the session Mr. Saquib Khan, currently working as Senior Engineering manager at GitHub, India. The expert then explained some real problems and its solutions from the past and then, as this was also a hands-on-experience session, the expert explained about setting up and installation of Git. He briefly described about how to add a feature without disturbing the stable version (from the master version) by creating branch and making some changes over the master site, tracking by using different methodology using remote (function). Valedictory Thanks and Ending Remarks were given by **Dr. Darshan Dalwadi, Branch Counsellor, IEEE BVM SB**.

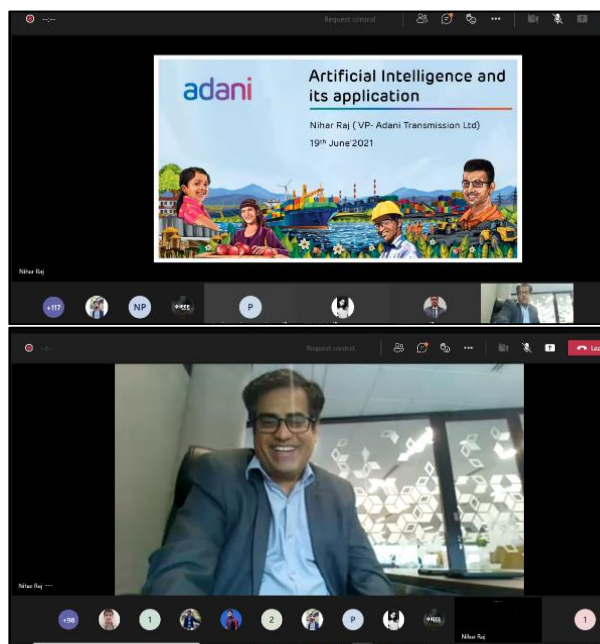
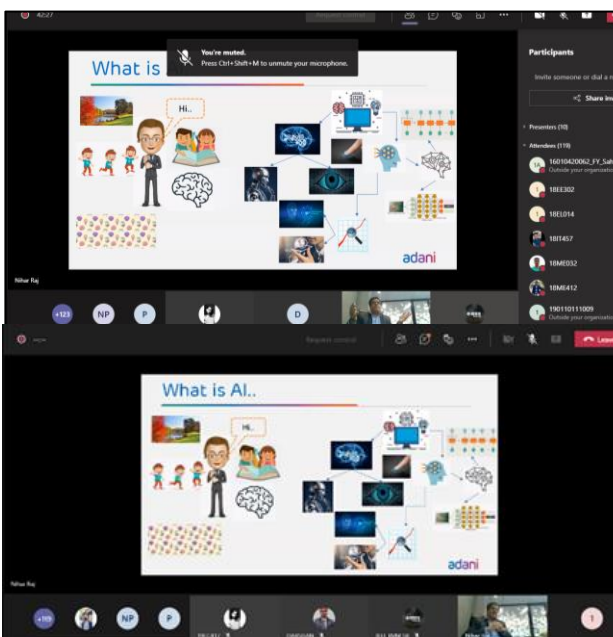




TECHXPERTS WEBISODES EPISODE 1: A.I. & its applications

Objective: To develop practical as well as technical knowledge amongst undergraduate students and make them ready with the latest industry tools required towards building their career in this field. To spread awareness about the current situation of software industry, some insights, and various developments taking place so as to keep the students up to date with the present scenario.

About the event: The webinar on **A.I & its Application** organized by IEEE BVM SB was held on 19th June 2021, Saturday at 2:00 PM. Welcome Speech was given by **Dr. Indrajit Patel, Principal, BVM Engineering College**. **Dr. Jagdish Rathod**, introduced the speaker, **Mr. Nihar Raj**. He started with the introduction of Artificial Intelligence, objectives of A.I. such as solving complex problems, faster and accurate decision making, doing complex calculation etc. The expert explained the various applications of A.I. in brief. He also discussed different areas where A.I. is used. He also discussed some real-world applications of A.I. like remote operations of robots in New Zealand and transformer internal inspections in USA.





TECHXPERTS WEBISODES EPISODE 2: Use of 5G and Beyond Technology in Future Telecommunication

Objective: This event is based on the theme of developing knowledge amongst undergraduate students about how 5G works, why 5G is important and how it's changing the way the world connects and communicates, and equip them with the latest as well as upcoming telecom equipment required to make their career in this field.

About the event: The webisode 2 of Techxperts webisodes on Use of 5G and Beyond Technology in Future Telecommunication started at 5:00 pm. **Dr. Jagdish M Rathod** introduced the speaker **Mr. Sudipta Gosh**. The expert talked about how the 5G network is designed and explained the difference between the technology which was used in 2G, 3G and 4G. Using a 5G network will be suitable for VR, AR, HD Screening, Video Conferencing, 360-degree video streaming which is not possible in mobile phones using 4G Network, and will also be helpful in building smart cities, monitoring health care facilities etc. The speaker further explained about the low latency, high reliability, and extreme density of the network. Explaining the standard part of the 5G network, the expert explained about 3GPP specification and the blueprint of the 5G network. The session was concluded by the expert with talking about 6G use case KPIs.

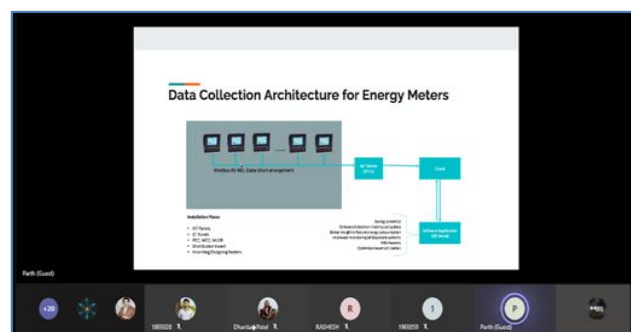
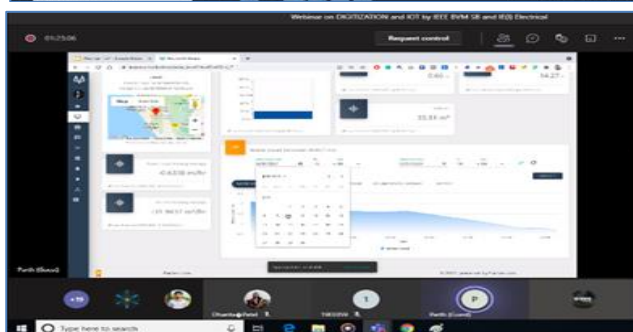
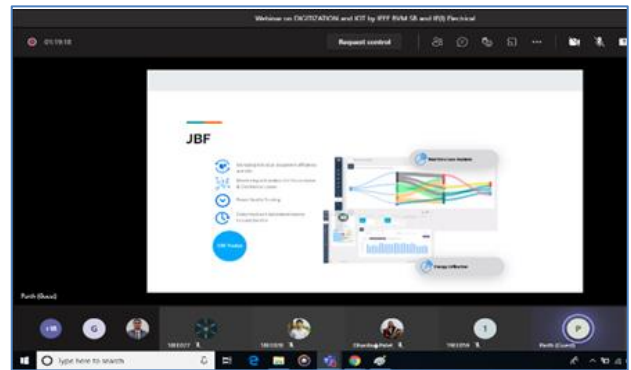
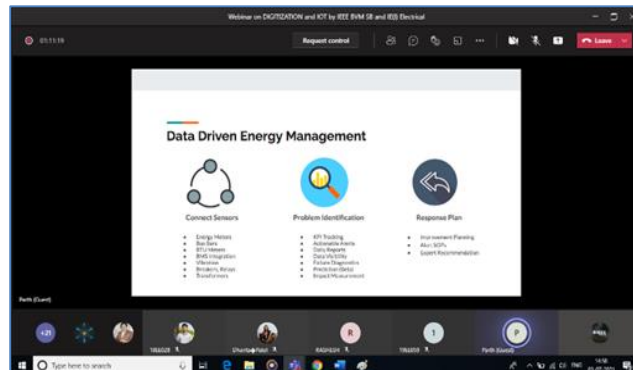




Webinar on Digitization and IoT

Objective: To develop practical as well as technical knowledge amongst undergraduate students and make them ready with the tools required towards building their career in this field. To spread awareness about the current situation of software industry, some insights, and various developments taking place so as to keep the students up to date with the present scenario.

About the event: The webinar started around 2:00pm in presence of **Dr. Rashesh Mehta, Dr. Jagdish M Rathod** and **Dr. Darshan C Dalwadi**. The expert of the session **Mr. Parth Chaudhary** was introduced by the latter. He started with the introduction of Faclon Labs and introducing the team at Faclon Labs and IOT. The participants were informed about the business areas of Faclon Labs and the key solution areas of Faclon Labs. Solution areas include power infrastructure digitization, steam trap, failure detection, HVAC optimization, condition monitoring, etc. Power management is the main domain they have been working on since ages. For solution to this we need to solve it by going through a small flow chart method which include (first step) connecting sensors like energy meter, bus bars, BTU Meters, vibration and few more. Then comes the topic of doing a case study on JBS, Raymond, Embassy and L&T concerning about the few major areas and more.

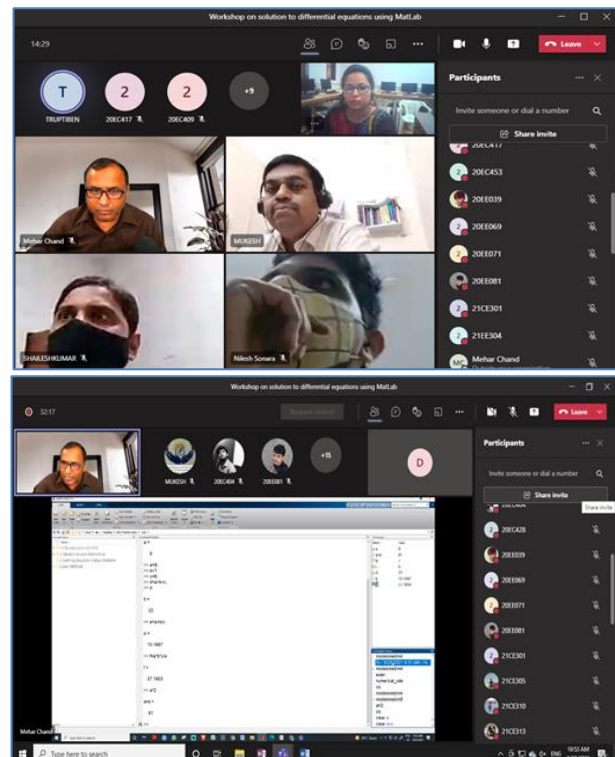
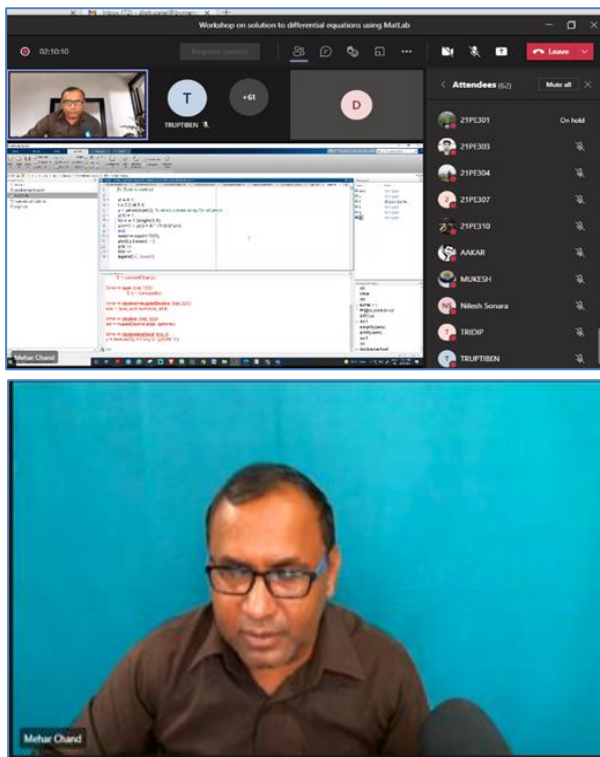




Workshop on ‘Solution to Differential Equations using MATLAB

Objective: An alternate to this is to use a commercially available simulation package and MATLAB is one of them. MATLAB is a computer program that provides the user with a convenient environment for performing many types of calculations. It can be used to solve differential equations in an effective way and is quite quick in computation and easy in application. Moreover, it also provides the student with the symbolic solution and a visual plot of the results.

About the event: The inaugural function was chaired by **Dr. T. A. Desai** who welcomed the guest speaker **Dr. Mehar Chand**. The workshop was of three hours divided into two sessions. In first session, the speaker had discussed about the basics of MATLAB such as Command to close, clear window, naming of variables in MATLAB, how to store coefficients of expression, assigning of variable to solve numerical, Command like who, who's, Different codes for mathematical computations, Syntax to solve equations etc. In second session, the speaker first discussed about the ordinary differential equations, partial differential equations and their types etc. He had solved some examples using the solver.





CELEBRATION of IEEE DAY 2021

Objective: To provide an epigram about significant achievements and celebrate the legacy of 'IEEE Day'. To apprehend freshmen students about various activities conducted by IEEE BVM Student Branch to explain the functionality of each and every team associated.

About the event: The celebration of IEEE Day 2021 was commenced at around 10:30 AM with a warm welcome **Dr. Indrajit Patel, Dr. Jagdish Rathod, Dr. Darshan Dalwadi**. An Orientation Program was conducted by TEAM IEEE BVM for the upcoming fresher students at the campus to make them aware of IEEE, its aspects and benefits. The attendees were informed of **NPSS (Nuclear and Plasma Sciences Society)** and the Affinity Group of **IEEE WIE (Women in Engineering)** followed by a delineation of past flagship events. All were briefed about how IEEE BVM SB Teams can help members in their professional life and career. The student members and organizing team were felicitated to recognize their hard work and encourage them to continue the same.





Team of IEEE BVM Student Branch (2021)

Faculty Members

SR. NO.	Name	Designation
1)	Dr. Indrajit Patel	Principal, BVM Engineering College
2)	Dr. Jagdish Rathod	Faculty Advisor, IEEE BVM SB
3)	Dr. Darshan Dalwadi	Branch Counselor, IEEE BVM SB

Student Core Team

Sr.	Officer Name	Position
1	Jaimin Shimpi	Chairperson
2	Ibrahim Koicha	Vice-Chairperson
3	Galav Bhatt	Secretary
4	Zeelrajsinh Mahida	Treasurer
5	Khanjan Marthak	Webmaster
6	Om Shukla Shailesh Bambhaniya	Joint Secretary
7	Gaurav Barve	Chairperson, NPSS Chapter
8	Dhruv Pokar	Secretary, NPSS Chapter
9	Atharva Bhav	Marketing Lead
10	Venu Upadhyay	Public Relations Officer
11	Gaurav Barve	Documentation Lead
12	Pankti Shah	Publicity Lead
13	Nitya Parikh	Graphics & Design Lead
Branch Representatives		
14	Devanshi Suthar	Electrical Branch Representative
15	Swar Shah	Electrical Branch Representative
16	Pragnesh Prajapati	Electronics Branch Representative
17	Ishan Patel	IT Branch Representative
18	Abhishek Raghuvanshi	Electrical Branch Representative
19	Hemangini Bhatt	Electronics & Communication Branch Representative
20	Rishit Thakkar	Electronics & Communication Branch Representative



Scan to visit out YouTube Channel:



*“Advancing Technology for
Humanity”*



Team IEEE BVM Student Branch

**Birla Vishvakarma Mahavidyalaya Engineering College
Vallabh Vidyanagar, Anand, Gujarat. PIN – 388120**