



**BHARATI VIDYAPEETH INSTITUTE OF  
TECHNOLOGY,  
NAVI MUMBAI**

**ELECTROLINK**

**2021-22**

***NEWSLETTER***

**ELECTRONICS AND  
TELECOMMUNICATION  
DEPARTMENT**

# PRINCIPAL'S MESSAGE



Dear Students, Faculty, and Staff,

I am delighted to address you through this edition of our Electronics and Telecommunications Department Newsletter. As we navigate the ever-evolving landscape of technology, I am immensely proud of the innovative spirit and dedication displayed by our department. Our students continue to excel in academic pursuits, co-curricular activities and extracurricular activities, showcasing the department's commitment to holistic education. I commend the faculty for their tireless efforts in mentoring and shaping the next generation of technologists.

I encourage both students and faculty to actively engage in initiatives that promote interdisciplinary learning and contribute to the overall growth of our academic community. Remember, the strength of our department lies in the synergy of our collective efforts.

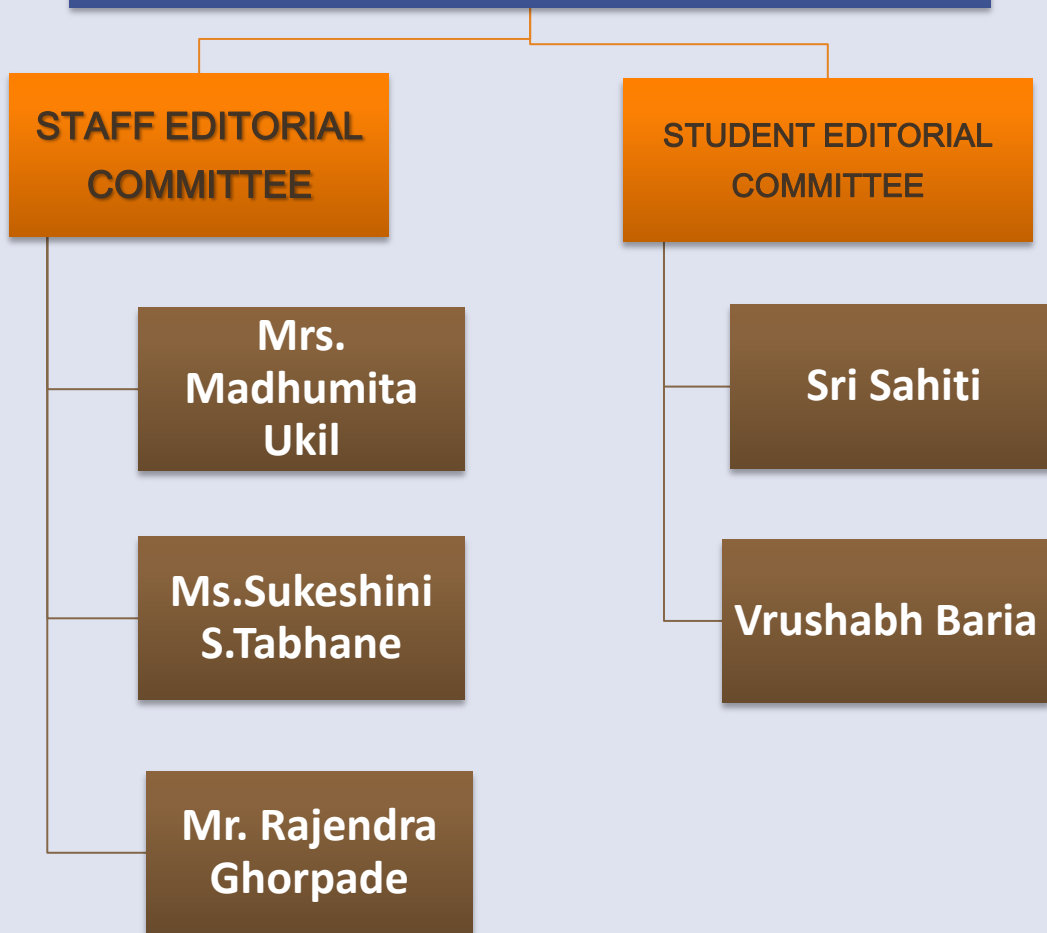
Thank you for your dedication, and I look forward to witnessing the continued success and progress of the Electronics and Telecommunications Department at Bharati Vidyapeeth Institute of Technology.

Best wishes,

***Mr. P. N. Tandon,***

***Principal, BVIT, Navi Mumbai***

# EDITORIAL BOARD



## INDEX

<b><i>SR.NO.</i></b>	<b><i>TITLE</i></b>	<b><i>PAGE NO.</i></b>
<b><i>1</i></b>	<b><i>ABOUT DEPARTMENT</i></b>	<b><i>1</i></b>
<b><i>2</i></b>	<b><i>INTERDEPARTMENTAL QUIZ COMPETITION</i></b>	<b><i>3</i></b>
<b><i>3</i></b>	<b><i>CO-CURRICULAR ACTIVITIES</i></b>	<b><i>4</i></b>
<b><i>4</i></b>	<b><i>EXTRA-CURRICULAR ACTIVITIES</i></b>	<b><i>4</i></b>
<b><i>5</i></b>	<b><i>INDUSTRIAL VISIT</i></b>	<b><i>6</i></b>
<b><i>6</i></b>	<b><i>BAHAAR FEST - ANTAKSHARI</i></b>	<b><i>7</i></b>
<b><i>7</i></b>	<b><i>STAFF TRAININGS ATTENDED</i></b>	<b><i>8</i></b>
<b><i>8</i></b>	<b><i>STAFF PAPER PUBLISHED</i></b>	<b><i>10</i></b>
<b><i>9</i></b>	<b><i>MERITORIOUS STUDENTS</i></b>	<b><i>11</i></b>

## About Department:

Since its establishment in 1983, the Department of Electronics and Telecommunication Engineering is constantly engaged in the pursuit of providing quality education to aspiring engineers. With a sanctioned intake of 60 students, this department has always been the favorite choice among the students seeking admission to diploma course. Fully equipped and well maintained labs are instrumental in acquainting the students with various practical aspects of the technologies. A range of instruments available in Labs give students the opportunity to hone their practical skills. The instruments available in these labs encompass Color TV trainer kit, Satellite receivers, Mobile communication Kits, DTH, Microprocessor & Microcontroller trainer kits. The Computers Lab. has sufficient number of PCs having internet facility on every single of them with a ratio of two students per PC Besides the programming languages, the PCs are loaded with educational software like PCB making software, Microprocessor & Microcontroller simulators, brain teasers etc. Well qualified and highly devoted staff is committed for imparting the best knowledge to the students. Proper guidance of staff along with sincere efforts of students' produces simulators, brain teasers etc. Well qualified and highly devoted staff is committed for imparting the best knowledge to the students. Proper guidance of staff along with sincere efforts of students' produces excellent results every year. Here we equip our students with essential knowledge and skills which help them to excel in this highly competitive & demanding world.

## Department Vision:

To impart quality education through exploration and experimentation and generate socially conscious engineers with embedded ethics and values

## Department Mission:

- **M1.** To produce competent Electronics and Telecommunication engineers through quality education by imparting knowledge, skill and project based learning.
- **M2.** To educate students with practical approach to dovetail them to various industries' needs.
- **M3.** To train students to be hard core professionals and entrepreneurs and also virtuous, ethical patriotic human beings concerned about society and the nation.

## Program Educational Objectives (PEOs)

- **PEO 1.** Provide socially responsible, environment friendly solutions to Electronics and Telecommunication engineering related broad-based problems adapting professional ethics.
- **PEO 2.** Adapt state-of-the-art Electronics and Telecommunication engineering broad-based technologies to work in multi-disciplinary work environments.

- **PEO 3.** Solve broad-based problems individually and as a team member communicating effectively in the world of work.

### Program Outcomes (PO)

- **PO 1. Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, sciences and engineering fundamentals and engineering specialization to solve the engineering problems.
- **PO 2. Problem analysis:** Identify and analyze well-defined engineering problems using codified standard methods.
- **PO 3. Design/ development of solutions:** Design solutions for well-defined technical problems and assist with the design of system components or processes to meet specified needs.
- **PO 4. Engineering tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
- **PO 5. Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices.
- **PO 6. Project Management:** Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.
- **PO 7. Life-long learning:** Ability to analyze individual needs and engage in updating in the context of technological changes.

### Program Specific Outcomes (PSO)

- **PSO 1. Electronics and Telecommunication Systems:** Maintain various types of Electronics and Telecommunication systems.
- **PSO 2. EDA Tools Usage:** Use EDA tools to develop simple Electronics and Telecommunication engineering related circuits.

## INTERDEPARTMENTAL QUIZ COMPETITION

Bharati Vidyapeeth Institute of Technology celebrated the 73<sup>rd</sup> Republic day of the nation by conducting an Interdepartmental Quiz Competition on Pre Independence and Post Independence events and topics.

Teams were formed with two students from each department. There were 9 teams, each Quiz Qualifying round had 3 teams of participants. There were 4 rounds of questions in each set, one Pre Independence topics round, one Post Independence events round, one Multiple choice round and one Rapid fire round. Civil Engineering Department from first Qualifying round, Electronics and Telecommunication Department from second Qualifying round and Chemical Engineering Department from third Qualifying round succeeded for the Final. Electronics and Telecommunication Department students Mr. Atharva Bengade and Mr. Ankit Jha were the Winners and Civil Engineering Department students Mr. Omkar Mohite and Mr. Rahul Waghmare were the Runners Up



### ELECTRONICS AND TELECOMMUNICATION DEPARTMENT



**Winners**



## CO-CURRICULAR ACTIVITIES 2021-22

Sr. No.	Date	Event(National/ International/ Department)	Venue	Participants	Achievement
1	23,24,25_March_2022	TECHNICIA 2022	Amity University , Mumbai	AAKASH JAMNIK	<b>Second</b>
2	10_March_2022	TORQUE -22 Nitro RC Competition	Fr.C.Rodrigues Institute of Technology , Vashi	AAKASH JAMNIK	<b>First</b>
3	5_March_2022	State Level- SPECTRA Tech Fest 2022	SPCE , Andheri	AAKASH JAMNIK	<b>First</b>
4	5_March_2022	State Level- SPECTRA Tech Fest 2022	SPCE , Andheri	OMKAR SRIVASTAVA	<b>First</b>

## EXTRA-CURRICULAR ACTIVITIES 2021-22

S.No.	Date	Event	Venue	Participants	Achievement
1	8, 9, 10 April 2022	State Gymnastics Championship 21-22	HVP Mandal , Amravati	ATHARVA SHIMPI	<b>First</b>
2	24, 25, 26 March 2022	Interdepartmental Sports 2021-22 (Kho-Kho)	BVIT, Navi Mumbai	ASHISH YADAV	<b>First</b>
3	24, 25, 26 March 2022	Interdepartmental Sports 2021-22 (Kho-Kho)	BVIT, Navi Mumbai	ROHAN SHEDAGE	<b>First</b>
4	24, 25, 26 March 2022	Interdepartmental Sports 2021-22 (Kho-Kho)	BVIT, Navi Mumbai	AKASH KADAM	<b>First</b>
5	24, 25, 26	Interdepartmental Sports 2021-	BVIT, Navi	NAMDEV	<b>First</b>



	March 2022	22 (Kho-Kho)	Mumbai	SHELKE	
6	24, 25, 26 March 2022	Interdepartmental Sports 2021-22 (Kho-Kho)	BVIT, Navi Mumbai	SAHIL CHAVAN	<b>First</b>
7	24, 25, 26 March 2022	Interdepartmental Sports 2021-22 (Kho-Kho)	BVIT, Navi Mumbai	BHUSHAN JADHAV	<b>First</b>
8	24, 25, 26 March 2022	Interdepartmental Sports 2021-22 (Kho-Kho)	BVIT, Navi Mumbai	SOHAM MALUSARE	<b>First</b>
9	24, 25, 26 March 2022	Interdepartmental Sports 2021-22 (Kho-Kho)	BVIT, Navi Mumbai	AKASH GITE	<b>First</b>
10	24, 25, 26 March 2022	Interdepartmental Sports 2021-22 (Kho-Kho)	BVIT, Navi Mumbai	ATHARVA SHIMPI	<b>First</b>
11	24, 25, 26 March 2022	Interdepartmental Sports 2021-22 (Kho-Kho)	BVIT, Navi Mumbai	ANKIT JHA	<b>First</b>
12	24, 25, 26 March 2022	Interdepartmental Sports 2021-22 (Kho-Kho)	BVIT, Navi Mumbai	ATHARVA BENGADE	<b>First</b>
13	11 February 2022	Institute Level Quiz Competition	BVIT, Navi Mumbai	ANKIT JHA	<b>First</b>
14	11 February 2022	Institute Level Quiz Competition	BVIT, Navi Mumbai	ATHARVA BENGADE	<b>First</b>

## INDUSTRIAL VISIT

### ➤ 12/4/2022 -Parle -G Kharadpada, Silvassa, Gujrat



### ➤ 11/4/2022 -Goel Power Engineers Kharadpada, Silvassa, Gujrat



## BAHAAR FEST - ANTAKSHARI



## STAFF TRAININGS ATTENDED

(2021-22)

SR. No	Name	Topic	Duration		no of days	Venue
1	Suryasevak Singh Ramdhani	Universal Human Values	15/11/2021	19/11/2021	5	AICTE
		Drones	26/07/2021	30/07/2021	5	IITRAM
		Data Science using Machine Learning	2/1/2022	6/1/2022	5	EXCELR
		Advanced trends in Embedded systems	7/3/2022	11/3/2022	5	Bharati Vidyapeeth Institute of Technology, Navi Mumbai
2	Deshmukh Shital Shashikant	Recent trends in smart computing	18/10/2021	22/10/2021	5	Vishwakarma Institute of Information technology
		Biomedical image processing using AI	25/10/2021	30/10/2021	5	International Institute of Information Technology
		Universal Human Values	15/11/2021	19/11/2021	5	AICTE
		Real World Interfacing With Arduino Uno On IOT Platform	11/10/2021	15/10/2021	5	Ahmadnagar
3	Aphasana Mulla	Universal Human Values	19/07/2021	23/07/2021	5	AICTE
		Smart cities	2/8/2021	6/8/2021	5	NPTI(PSTI)
		Drones	26/07/2021	30/07/2021	5	IITRAM
		Advanced trends in Embedded systems	7/3/2022	11/3/2022	5	Bharati Vidyapeeth Institute of Technology, Navi Mumbai
		Artificial intelligence and Machine learning	25/10/2021	29/10/2021	5	AICTE

4	Tabhane Sukeshini S	Smart cities	2/8/2021	6/8/2021	5	NPTI(PSTI),ATAL
		Real World Interfacing With Arduino Uno On IOT Platform	11/10/2021	15/10/2021	5	Dr. Vithalrao Vikhe Patil COE,Ahmednagar
		Universal Human Values	8/11/2021	12/11/2021	5	AICTE,ATAL
		Artificial intelligence and Machine learning	25/10/2021	29/10/2021	5	AICTE ATAL ACADEMY
5	Deshmukh Wrushali	Universal Human Values	19/07/2021	15/10/2021	5	AICTE,ATAL
		Smart cities	2/8/2021	6/8/2021	5	NPTI(PSTI),ATAL
		Drones	26/07/2021	30/07/2021	5	IITRAM, ATAL
		Artificial intelligence and Machine learning	25/10/2021	29/10/2021	5	AICTE
6	Sutar Shahaji	MEMS Technology and microsensors	26/07/2021	30/07/2021	5	NIT Meghalaya
		Advanced trends in Embedded systems	7/3/2022	11/3/2022	5	Bharati Vidyapeeth Institute of Technology, Navi Mumbai
7	Mrs.Madhumita Ukil	Web Designing And development	14/03/2022	16/03/2022	3	Bharati Vidyapeeth Institute of Technology, Navi Mumbai

### STAFF PAPER PUBLISHED (2021-22)

SR. No	Name	Number of Paper publication	Publication	Journal Name	Date	Impact Factor
1	Suryasevak Singh (a)	3	High Gain Wideband Antenna for WiMAX and Satellite Applications	IRJET	Jun_21	7.529
			Energy Saving System for Classroom	IJARSCT	May-22	6.252
			3D Fan Hologram	IJARSCT	May-22	6.252
2	Deshmukh Shital Shashikant(a)	2	Robotic land mine detector for mine detection	IJARSCT	Jun_21	6.252
			Patient Medication Reminder	IJARSCT	May-22	6.252
3	Aphasana Mulla(a)	2	Node MCU based Home automation system	IJARSCT	Jun_21	6.252
			Smart door security system	IJARSCT	May-22	6.252
4	Tabhane Sukeshini S(a)	2	High Gain Wideband Antenna for WiMAX and Satellite Applications	IRJET	Jun_21	7.529
			Smart Watch using ESP-32 Wroom	IJARSCT	May-22	6.252
5	Deshmukh Wrushali(a)	2	Automated Supply Chain Management in IIOT 4.0(Car Manufacturing)	IJARSCT	May-22	6.252
			RF CONTROLLED VEHICLE WITH METAL DETECTION	IJARSCT	May-22	6.252

## MERITORIOUS STUDENTS

### Toppers (Academic Year 2021-2022)

#### First Year



Nakhwa Ahmed Asif

79.40%

#### Second Year



Bhushan Anand Jadhav

79.29%

#### Third Year



Aryan Navnit Kale

90.88%

