



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

ELECTROLINK

NEWSLETTER

2020-21

*ELECTRONICS AND TELECOMMUNICATION
DEPARTMENT*

FROM THE PRINCIPAL'S DESK



Mr. P. N. Tandon, Principal, BVIT, Navi Mumbai

I feel extremely proud of this initiative to publish the Newsletter “ElectroLink” of Electronics and Telecommunication Department. I take this opportunity to offer sincere thanks to all who have taken efforts to publish this Newsletter. The Mission of BVIT is to nurture the students with Outcome based and value based education and inculcate leadership qualities to make competent engineers. The students are kept abreast with the latest technological advancements through Industrial visits, Industrial trainings and other Industry Institute Interactions. These interactions update and groom the students with all latest innovations and motivate them to bridge the gap between their knowledge and skills and Industry expectations.

INDEX

Sr.no.	Title	Page no.
1	About Department	1
2	FACULTY ACHIEVEMENTS	3
3	MODROB RECOMMENDATION	4
4	CAREER COUNSELLING FOR X & XII STUDENTS	5
5	STAFF PAPER PUBLISHED	6
6	STAFF TRAININGS ATTENDED	7
7	STUDENT ACHIEVEMENTS	9
8	MERITORIOUS STUDENTS	9

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 analyse 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 analyse 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.

FACULTY ACHIEVEMENTS

BEST PAPER AWARD

Mrs.Yamini Patil, Ms.Sukeshini S.Tabhane and Mr.Suryasevak Singh received Best Paper Award in Dec 2020 for their Paper "Evaluation of Second order control system using SciLab"



MODROB RECOMMENDATION

MODERNISATION AND REMOVAL OF OBSOLESCENCE (MODROB) Scheme of ALL INDIA COUNCIL FOR TECHNICAL EDUCATION(AICTE) is a Quality Improvement Schemes (AQIS) that equips technical institutions with infrastructural facilities, laboratories, workshops, and computing facilities to enhance teaching, training and research capabilities. The limit of funding is Rs 20 Lakhs and project duration is 2 years.

Mr. SuryaSevak Singh as Coordinator and Mrs.Sukeshini Tabhane as Co-coordinator from EJ Department, had applied for MODROB for Communication Lab of Electronics and Telecommunication Department. The proposal has been evaluated by the Experts and provisionally recommended by AICTE.



PHD AWARD

Mrs. Yamini M. Patil, from EJ Department received her PhD. Degree on February 17th, 2020



CAREER COUNSELLING FOR X & XII STUDENTS

Bharati Vidyapeeth Institute of Technology, Navi Mumbai is organizing a Career Counseling for 10th grade and 12th Students on different career options post 10th grade and 12th grade, in association with Maharashtra State Board of Technical Education Mumbai.



WEBINAR ON CAREER COUNSELLING FOR 10th and 12th STUDENTS

Day & Date: Thursday, 10th June 2021. Time: 11:00 AM

Organized By:

Bharati Vidyapeeth Institute of Technology, Navi Mumbai

- **Registration Link:** <https://forms.gle/ipCNE5fBcgA8Tb7PA>
- **What'sApp link:** <https://chat.whatsapp.com/BLJNW9DYi8oGUkbnh3mW8g>
- **Platform used:** Zoom
- Webinar link will be provided on whatsapp group



Speaker :

Mr. V.R. Jadhav

Deputy Secretary,
MSBTE

Log on to our website:* <http://iotmumbai.bharatividyaapeeth.edu/>

About Institute

Bharati Vidyapeeth Institute of Technology is located in CBD Belapur, near to Pune Mumbai highway, Kharghar Station and upcoming Metro Station. The Institute offers 3 years diploma in

- Chemical Engineering
- Computer Technology
- Electronics & Telecommunication Engineering
- Information Technology
- Civil Engineering
- Electrical Engineering
- Mechanical Engineering

The programs of Chemical Engineering & Electronics Engineering have been accredited by National Board of Accreditation.

Event Schedule

Introduction of Speaker by:
Mrs. Ukil Madhumita
HOD (Electronics & Telecommunication Engg.)

Forward By:
Mr. P.N. Tandon
Principal (BVIT, Navi Mumbai)

Session Time: 11:00 am

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Prof. Wrushali Deshmukh (8108139111)

STAFF PAPER PUBLISHED (2020-21)

SR. No	Name	Number of Paper publication	Publication	Journal Name	Date	Impact Factor
1	Yamini Patil	2	Evaluation of Second Order Control System Using Scilab	IJARST	Dec-20	6.252
			Review Paper on Artificial Intelligence: A Comparative Study	IJARST	May_21	6.252
2	Suryasevak Singh Ramdhani	2	Evaluation of Second Order Control System Using Scilab	IJARST	Dec-20	6.252
			Review Paper on Artificial Intelligence: A Comparative Study	IJARST	May_21	6.252
3	Deshmukh Shital Shashikant	3	Survey on Comparative Study of Virtual Lab and Traditional Lab	IJARST	Dec-20	6.252
			Analysis of adaptability of Virtual labs as laboratory material	IJARST	Dec-20	6.252
			A Review on Generations of Various Error Detection Codes Using C Programming in Computer Network	IJARST	May_21	6.252
4	Aphasana Mulla	3	Survey on Comparative Study of Virtual Lab and Traditional Lab	IJARST	Dec-20	6.252
			Analysis of adaptability of Virtual labs as laboratory material	IJARST	May_21	6.252
			A Review on Generations of Various Error Detection Codes Using C Programming in Computer Network	IJARST	May_21	6.252
5	Tabhane Sukeshini S	2	Evaluation of Second Order Control System Using Scilab	IJARST	Dec-20	6.252
			Review Paper on Artificial Intelligence: A Comparative Study	IJARST	May_21	6.252
6	Deshmukh Wrushali	3	Survey on Comparative Study of Virtual Lab and Traditional Lab	IJARST	Dec-20	6.252
			Analysis of adaptability of Virtual labs as laboratory material	IJARST	Dec-20	6.252

			A Review on Generations of Various Error Detection Codes Using C Programming in Computer Network	IJARST	May_21	6.252
7	Sutar Shahaji(a)	1	IoT Switch using BLYNK	IRJET	Mar-21	7.529

STAFF TRAININGS ATTENDED (2020-21)

SR. No	Name	Topic	Duration		no of days	Venue
1	Yamini Patil	E-Content Development & Research Management	1/7/2020	7/7/2020	7	BV Institute of Management & Rural Development Administration
		Robotics	7/9/2020	11/9/2020	5	Adishankara Institute of Engg. and Technology
		Internet of Things	1/2/2021	5/2/2021	5	K.K. Wagh Polytechnic, Nashik, in association with Cognifront
2	Suryasevak Singh Ramdhani	Robotics	7/9/2020	11/9/2020	5	Adishankara Institute of Engg. and Technology
		The Effective Techniques of Teaching and Learning	1/6/2020	5/6/2020	5	Saraswati Institute of Technology
		Internet of Thing (IoT)	1/2/2021	5/2/2021	5	K.K.Wagh polytechnic.
3	Deshmukh Shital Shashikant	Robotics	7/9/2020	11/9/2020	5	Adishankara Institute of Engg. and Technology
		Sensor Technology	22/02/2021	26/02/2021	5	Maharaja Ranjit singh Punjab Technical University
		Solar Energy and its potential applications	15/06/2020	19/06/2020	5	Prof. Ram Meghe Institute Of Technology and research, Amravati
4	Aphasana Mulla	Robotics	7/9/2020	11/9/2020	5	Adishankara Institute of Engg. and Technology
		Health Management	4/1/2021	8/1/2021	5	Shaheed Bhagat Singh Technical Campus
		Sensor Technology	22/02/2021	26/02/2021	5	Maharaja Ranjit singh Punjab Technical University

5	Tabhane Sukeshini S	The Effective Techniques of Teaching and Learning	1/6/2020	5/6/2020	5	Saraswati Institute of Technology
		Robotics	7/9/2020	11/9/2020	5	Adishankara Institute of Engg. and Technology
		Health Management	4/1/2021	8/1/2021	5	Shaheed Bhagat Singh Technical Campus
6	Deshmukh Wrushali	Robotics	7/9/2020	11/9/2020	5	Adishankara Institute of Engg. and Technology
		Health Management	4/1/2021	8/1/2021	5	Shaheed Bhagat Singh Technical Campus
		Sensor Technology	22/02/2021	26/02/2021	5	Maharaja Ranjit singh Punjab Technical University
7	Sutar Shahaji	Vlabs: Education 4.0	23/07/2020	23/07/2020	1	MIT-ADT University

STUDENT ACHIEVEMENTS

Sr. No.	Date	Event(National/ International/ Department)	Venue	Participants	Achievement
1	27_May_2021	State level Technical Quiz Competition	Government Polytechnic, Ahmednagar	OMKAR S. KANDALKAR	Participation
2	21_May_2021 To 24_May_2021	Online Quiz on Electronics Devices and Circuits	Devi Mahalakshmi Polytechnic College, Titwala	SHUBHAM J. BAWARI	Participation

MERITORIOUS STUDENTS

Electronics & Telecommunication

First Year	Second Year	Third Year
 <p>Kinjal Patel</p> <p>86.53%</p>	 <p>Soham Bakkar</p> <p>92.56%</p>	 <p>Riya Gorade</p> <p>94.71%</p>

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