

VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING



Departmental Report

ACADEMIC YEAR 2020 - 2021 (Odd Semester)

**DEPARTMENT REPORT OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERING FOR ACADEMIC
YEAR 2020-2021**

FACULTY CONTRIBUTION

● **Courses/Workshop Conducted by Faculties**

Sr. No.	Conducted by	Course Description	Organized by	Date	Number of days
1	Dr. Nadir N. Charniya and Mr. Ajinkya Valanjoo	5G wireless communication system using Matlab 5G toolbox	Department of Electronics & Telecommunication in association with VESIT IQAC	12th and 13th of May, 2020	01
2	Dr. Nandini Ammanagi, Mrs. Rasika Naik and Mr. Sanjay Mirchandani	Transition to Online Facilitation	Department of Electronics & Telecommunication in association with VESIT-Internal Quality Assurance Cell (IQAC) and Institution's Innovation Council (IIC)	8th July 2020 to 5th August 2020	30
3	Dr. C.D. Rawat, Mrs. Manisha Joshi, Mrs. Ashwini Sawant and Mrs. Neeta Chavan	E-Sanchar 2020	Department of Electronics and Telecommunications	1st to 7th July, 2020	07
4	Dr. Nadir Charniya, Mr. Chintan Jethva, Mr. Gaurav Tawde, Ms. Pallavi Gangurde, Mr. Sanjay Mirchandani, Mr. Ajinkya Valanjoo, Mrs. Nusrat Ansari and Mrs. Arti Sawant.	AICTE Sponsored STTP on Green IoT--Phase I	Department of Electronics & Telecommunication in association with AICTE	10th to 15th August 2020	06
5	Dr. Nadir Charniya	AICTE Sponsored STTP on Green IoT-Phase II	Department of Electronics and Telecommunication with Department of Computer Engineering, Department of	23rd and 28th November 2020	06

			Information Technology, and Department of Master of Computer Applications		
6	Dr. Nadir Charniya	AICTE Sponsored STTP on Green IoT-Phase III	Department of Electronics and Telecommunication with Department of Electronics Engineering and Department of Instrumentation Engineering	7th and 12th December 2020.	06

● **Courses/ Workshop Attended by Faculty**

Sr. No.	Attended By	Course description	Organized by	Date	Number of days
List is quite long and can be referred to the given link: https://docs.google.com/spreadsheets/d/14VZ371UkhX7UefCkx6xmcAm4m6sVQPf7pPbPhReBYjo/e/dit?usp=sharing					

● **Orientation Programs Conducted by Faculties**

Sr. No.	Conducted By	Course description	Organized by	Date	Number of days
1	Mr. Sanjay Mirchandani	Network Theory (ECC 304	St. John College of Engineering & Management, Palghar on behalf of the University of Mumbai	11th July 2020	01

● **Orientation Programs Attended by Faculties**

Sr. No.	Attended By	Course description	Organized by	Date	Number of days
1	Mr. Chintan Jethva	Digital System Design (ECC303)” & “Digital System Design Lab (ECL302)” Rev 2019 'C' Scheme	K. C. College of Engineering & Management Studies & Research, Thane (E), on behalf of University of Mumbai	6th July 2020.	1
		Mini Project 1 a (ECM301)	Lokmanya Tilak College of Engineering, Kopar Khairane, Navi	13th July 2020.	1

			Mumbai on behalf of University of Mumbai		
		Electronic Devices & Circuits (ECC 302 & ECL301) Rev 2019 'C' Scheme	Don Bosco Institute of Technology, Kurla, Mumbai on behalf of University of Mumbai	7th July 2020.	1
		“Network Theory (ECC 304)”Rev 2019 'C' Scheme	St. John College of Engineering & Management, Palghar, on behalf of University of Mumbai	11th July 2020.	1
		“Electronic Instrumentation and Control systems, (ECC305+ECL303)”,Rev 2019 'C' Scheme	VESIT, Chembur, Mumbai on behalf of University of Mumbai	10th July 2020.	1
2	Mr. Gaurav Tawde	Digital System Design (ECC303)” & “Digital System Design Lab (ECL302)” Rev 2019 'C' Scheme	K. C. College of Engineering & Management Studies & Research, Thane (E), on behalf of University of Mumbai	6th July 2020	1
		Mini Project 1 a (ECM301)	Lokmanya Tilak College of Engineering, Kopar Khairane, Navi Mumbai on behalf of University of Mumbai	13th July 2020	1
		Electronic Devices & Circuits (ECC 302 & ECL301) Rev 2019 'C' Scheme	Don Bosco Institute of Technology, Kurla, Mumbai on behalf of University of Mumbai	7th July 2020	1
3	Ms. Pallavi Gangurde	Digital System Design (ECC303)” & “Digital System Design Lab (ECL302)” Rev 2019 'C' Scheme	K. C. College of Engineering & Management Studies & Research, Thane (E), on behalf of University of Mumbai	6th July 2020.	1
		Mini Project 1 a (ECM301)	Lokmanya Tilak College of Engineering, Kopar Khairane, Navi Mumbai on behalf of University of Mumbai	15th July 2020.	1
		Digital Logic & Computer Organization & Architecture (CSC304)	Datta Meghe COE, Navi Mumbai	13th July 2020.	1
4	Mr. Sanjay Mirchandani	Electronic Devices & Circuits (ECC 302 & ECL301) Rev	Don Bosco Institute of Technology, Kurla,	07/07/2020	1

		2019 'C' Scheme	Mumbai on behalf of University of Mumbai		
		“Network Theory (ECC 304)” Rev 2019 'C' Scheme	St. John College of Engineering & Management, Palghar, on behalf of University of Mumbai	11/07/2020	1
		Mini Project 1 a (ECM301)	Lokmanya Tilak College of Engineering, Kopar Khairane, Navi Mumbai on behalf of University of Mumbai	13/07/2020	1
5	Mrs. Himali Patel	Electronic Devices & Circuits (ECC 302 & ECL301) Rev 2019 'C' Scheme	Don Bosco Institute of Technology, Kurla, Mumbai on behalf of University of Mumbai	7th July 2020	1
		Mini Project 1 a (ECM301)	Lokmanya Tilak College of Engineering, Kopar Khairane, Navi Mumbai on behalf of University of Mumbai	15th July 2020.	1
		Digital System Design (ECC303)” & “Digital System Design Lab (ECL302)” Rev 2019 'C' Scheme	K. C. College of Engineering & Management Studies & Research, Thane (E), on behalf of University of Mumbai	6th July 2020.	1
		Digital Logic & Computer Organization & Architecture (CSC304)	Datta Meghe COE, Navi Mumbai	13th July 2020.	1

● NPTEL Certifications

Sr. No.	Name of the Faculty	NPTEL Course Description	Organized by	Period	Score
1	Mr. Gaurav Tawde	Introduction to Embedded System Design (Participation in AICTE-NPTEL- Texas Instruments Massive Open Online Course (MOOC) on Embedded System Design using MSP430)	IIT Jammu	14th September - 4th December 2020	---
2	Ms. Pallavi Gangurde	Effective Engineering Teaching in Practice	IIT Madras	16th June 2020	93%

Research Forum Activities - Expert Talks

Sr. No.	Date	Name of the Expert	Designation & Organisation	Topic	Attended By
1	9th Nov 2020	Dr. Hemang Shah	India Engineering Lead, Qualcomm Technology Licensing Bengaluru, Karnataka, India	Writing scientific papers that connect and introduction to IPR	VESIT Faculty and Third year EXTC Students (D14-A & D14-B)

● Research Grant Proposals

Sr. No.	Name of Faculty	Title of Project	Domain	Sanctioned Amount
1	Dr. Ranjan Bala Jain	Development of Wireless lab with high end equipment like software defined	Wireless Network	9,11,765/- (AICTE)

● Research Paper Published

Publication - Author List	Publication - Affiliation of Authors	Publication - Date	Publication - National / International	Publication - Journal / Conference	Publication - Name of The Journal / Conference	Publication - Organised By	Publication - Venue	Publication - Publisher	Publication - ISBN Number
1	Utkarsha Sumedh Pacharaney, Ranjan Bala Jain, Rajiv Kumar Gupta	Datta Meghe College of Engineering, India Vivekanand Education Society's Institute of Technology, IndiaTerna Engineering College, University of Mumbai, India	Clustering and Compressive Data Gathering for Transmission Efficient Wireless Sensor Networks	November, 2020	International	Journal (IGI Global) , Book Chapter(Managing Resources for Futuristic Wireless Networks)	-	-	IGI
2	Shital Firke , Ranjan Bala Jain	Vivekanand Education Society's Institute of Technology, Chembur, University of Mumbai, India	Recent Advances in Detection and Classification of Diabetic Retinopathy using Deep Learning	June 2020	International	International Engineering Journal for Research & Development	Dutta Meghe College of Engineering, Navi Mumbai	Online	IEJRD
3	Shifa Shaikh, Vrushali Karale, Gaurav Tawde	Vivekanand Education Society's Institute of Technology, Chembur, University of Mumbai, India	Assistive Object Recognition System for Visually Impaired	September 2020	International	International Journal of Engineering Research & Technology		Online	IJERT

● Other Achievements

● Patent

Academic Year	Type of User	Patent - Application No	Patent - Application Date	Patent - Name	Patent - Inventor Name	Patent - Description	Patent - (Co-Inventor) If Any	Patent - Status
Nil								

● Book Publication

Books Published - Name (Title, FirstName, MiddleName, Surname)	Books Published - Name of Co-Authors	Books Published - Name of book	Books Published - Publication	Books Published - Month and year of publication
Nil				

● Alumni Interactions

Sr. No.	Name of Alumni	Passing Year	Date	Designation	Target Audience	Topic of Discussion
1	Ganesh Godamgave	2018	24th June, 2020	Sub. Lt. Indian Navy	VESIT students (FE to BE)	Warriors of light : the untold saga of Indian soldiers
2	Dr. Hemang Shah	2002	26th June, 2020	India Engineering Lead, Qualcomm Technology Licensing Bengaluru, Karnataka, India	VESIT students (FE to BE)	Design Thinking
3	Hari Krishnan	1999	30th June, 2020	CEO, PropertyGuru Group, Singapore	VESIT students (FE to BE)	Building your business in a sustainable fashion using responsible Tech practices
4	Narayanan S.	2008	30th June, 2020	Senior Manager, McDonalds Business, Coca-Cola India Pvt.Ltd	VESIT students (FE to BE)	The Strategy of Selling Brands by Narayanan S.
5	Dr. Aravind Kailas	2002	1st July, 2020	Director-Advanced Technology Policy, Volvo Group, California	VESIT students (FE to BE)	A Journey of Innovation and Research with Aravind Kailas
6	Rishi Hemdev	2015	1st July, 2020	Scrum Master, SAP Labs India Pvt. Ltd.	VESIT students (FE to BE)	101 Software Roles
7	Aakash Karnani	2016	3 rd July, 2020	Founder, Aakash Holidays	VESIT students (FE to BE)	Nurturing Professional Relationships
8	Pratik Gupta	2013	8th July, 2020	Founder, TEKNOLITE	VESIT students (FE to BE)	Entrepreneurship, Make in India: Atmanirbhar

- **Entrepreneurship Initiatives**

Sr. No.	Name	Date	Name of the Startup	Target Audience	Topic of Discussion
1	Aakash Karnani	3 rd July, 2020	Founder, Aakash Holidays	VESIT students (FE to BE)	Nurturing Professional Relationships
2	Pratik Gupta	8th July, 2020	Founder, TEKNOLITE	VESIT students (FE to BE)	Entrepreneuership , Make in India: Atmanirbhar

- **National Institute of Technical Teachers Training and Research (NITTTR) Activities:**

Sr. No.	Attended By	Module No.	Course description	Status (Ongoing/ Completed)
1	Pallavi Gangurde	1	Module 1_ Orientation Towards Technical Education and Curriculum Aspects	Ongoing
2	Pallavi Gangurde	2	Module 2_ Professional Ethics & Sustainability	Ongoing
3	Ajinkya Valanjoo	1	Module 1_ Orientation Towards Technical Education and Curriculum Aspects	Ongoing
4	Ajinkya Valanjoo	2	Module 2_ Professional Ethics & Sustainability	Ongoing
5	Jyoti Bagate	1	Module 1_ Orientation Towards Technical Education and Curriculum Aspects	Ongoing
6	Jyoti Bagate	2	Module 2_ Professional Ethics & Sustainability	Ongoing
7	Chintan Jethva	1	Module 1_ Orientation Towards Technical Education and Curriculum Aspects	Ongoing
8	Chintan Jethva	2	Module 2_ Professional Ethics & Sustainability	Ongoing
9	Chintan Jethva	4	Modele 4_ Instructional Planning and Delivery	Ongoing
10	Chintan Jethva	6	Module 6_ Student Assessment and Evaluation	Ongoing
11	Mr. Gaurav Tawde	1	Module 1_ Orientation Towards Technical Education and Curriculum Aspects	Ongoing
12	Mr. Gaurav Tawde	2	Module 2_ Professional Ethics & Sustainability	Ongoing
13	Mrs. Himali Patel	1	Module 1_ Orientation Towards Technical Education and Curriculum Aspects	Ongoing
14	Mrs. Himali Patel	2	Module 2_ Professional Ethics & Sustainability	Ongoing
15	Mrs. Arti Sawant	1	Module 1_ Orientation Towards Technical Education and Curriculum Aspects	Ongoing
16	Mrs. Arti Sawant	2	Module 2_ Professional Ethics & Sustainability	Ongoing

STUDENT ACHIEVEMENTS

- **HIGHER STUDIES:** Students got admitted for higher studies in Indian and foreign universities which includes:

Sr. No.	Name of Student	University	Field of Specialisation
1	Priti Vithaldas Pai	University of southern california	Master's of science in Engineering Management
2	Amogh Ashok Rane	University of Michigan, Ann Arbor	Master of Science in Electrical and Computer Engineering
3	Sakshi Girish Patil	University of Maryland	Master of science in Telecommunications
4	Abhishek Haresh Pinjani	Manipal Academy	Master in Computer Science
5	Shazmeen Jafar Shaikh	University of illinois urbana champaign	Masters in Information Management
6	Chinmay Warang	New York University	Masters in Music Technology
7	Kiran Tulsulkar	NorthEastern University	Masters in Electrical And Computer Engineering
8	Harsh Suresh Janyani	NorthEastern University	Masters in Electrical And Computer Engineering
9	Apeksha Anil Yadav	North Carolina State University	Masters in Industrial Design
10	Nikkhil Negglur	University of Texas at Dallas	Master in Computer Science
11	Ojaas Hampiholi	Indiana University, Bloomington	MS in Data Science
12	Neha satish Pote	Indian Institute of Science,bangalore	Masters in management
13	Gauri bhara t Jadhav	University of Texas, Arlington	Masters in Electrical engineering
14	Sagar Sandip Karmarkar	University of Texas, Arlington	Masters in Electrical Engineering
15	Priyanka Harjani	Indian Business School , Powai	MBA
16	shweta sankpal	University of Houston Clear Lake	Mater's Management of Information Science
17	Akshay Joshi	University of California, Los Angeles	Master's in Electrical and Computer Enginee ring
18	Vaidehi Joshi	Carnegie mellon university, Pittsburgh	Masters in Electrical And Computer Engineering

- **Student Participation in Workshops/Seminars**

Sr. No.	Attended By	Course description	Organized by	Date	Number of days
1	Saheb Wadhwa	Programming with Python	Internshala	14th may to 25th june	1 month
2	Prasad Naik	VESIT CodeCell Data Analytics Workshop	VESIT CodeCell	22/04/2020 to 24/04/2020	4 days
3	Anusha Srivastava	Spotify Workshop	ISTE VESIT	3/10/2020 to 4/10/2020	2 days
4	Anusha Srivastava	Image Classification with Amazon Sagemaker	Coursera	21/6/2020 to 30/6/2020	10 days

5	Anusha Srivastava	COVID-19 Data Analysis using Python	Coursera	15/6/2020 to 21/6/2020	7 days
6	Shruti Bondre	VESIT CodeCell Workshop Series(Data Analytics, AI, Django and Blockchain)	VESIT CodeCell	22/04/2020 to 30/04/2020	7 days
7	Shruti Bondre	AI using Python	Pantech Prolabs	05/10/2020 to 24/10/2020	20 days
8	Chirag kataria	VESIT CODE CELL Data analytics workshop	VESIT CODECELL	22-24 April, 2020	3 days
9	Shubham Panchal	AI using Python	Pantech Prolabs	05/10/2020 to 24/10/2020	20 days
10	Shubham Panchal	Cyber Security Intern	TeleNetworks Technologies Pvt. Ltd	14/9/2020 to 25/9/2020	10 days

● Student Industry Interactions

Sr. No.	Attended By	Course description	Company Name	Date	Number of days
Nil					

● Internships attended by Students:

Sr. No.	Attended By	Course description	Company Name	Date	Number of days
1	Shreya Swanne	Marine Electronic Communications and Navigation Equipment	Shri Sai Samarth Technical Services	23/04/2020 to 22/05/2020	1 month
2	Chirag Varma	Python 3.x	Trivia Software's	16/04/2020 to 30/04/2020	15 days
3	Ashar Ansari	Software programming	Coding Ninjas	Ongoing	-
4	Snehith Sachin	Machine Learning & python prog.	Codespeedy technology Pvt ltd	30/05/2020 to 15/07/2020	1.5 months
5	Himesh Shadiza	Automatic data extraction of real time safty critical system	Tata Advanced Systems Limited	29/6/2020 to 13/07/2020	15 days
6	Amit Parkar	Emotion detection using text feedback	TCS iON	29/06/2020 to 25/07/2020	1 month
7	Prasad Naik	Data Analytics Consulting Virtual Internship	KPMG Virtual Internship	07/05/2020 to 06/06/2020	1 month
8	Esa Malik	Web development & IoT	Corpusvision Technologies Pvt Ltd	01/07/2020 to 15/08/2020	1.5 months
9	SAACHI DUDANI	Data science & analytics & using python	KNOWLEDGE SOLUTIONS INDIA(MICROSOFT AEP)	02/05/2020 TO 04/06/2020	1 month

10	SAACHI DUDANI	-	BRAINHEATERS	Ongoing	=
11	Mayur Shinde	Software programming	Dezignolics, Summer	15/06/2020 to 09/07/2020	-
12	Asawari Tayade	Marketing	Alter Ego Learning	26/05/2019 to 26/07/2019	2 months
13	Mansi Kasar	UI/UX and GRAPHIC DESIGN	Infigon Futures Pvt.Ltd	20/06/2020 to 20/07/2020	1 month
14	Bhuvana Raisinghani	App development	Applex.in	26/07/2020 to 26/08/2020	1 month
15	Aaditya Bhat	Data Analytics Consulting Virtual Internship	KPMG Virtual Internship	01/06/2020 to 20/06/2020	20 days
16	Shikhar Raj	Data science & analytics & using python	KNOWLEDGE SOLUTIONS INDIA(MICROSOFT AEP)	02/05/2020 TO 13/06/2020	1.5 months
17	Lewin Noronha	Data Analytics Consulting Virtual Internship	KPMG Virtual Internship	15/04/2020 to 06/05/2020	3 weeks
18	Payal Sadhwani	NUCLEI TECHNOLOGIES	NUCLEI TECHNOLOGIES	01/04/2020 to 30/04/2020	1 month
19	Altaf Bin Sarfraz	Machine Learning & AI	SmartBridge Educational Services Private Limited (In Collaboration with IBM)	01/07/2020 to 29/07/2020	1 month
20	Altaf Bin Sarfraz	Data science & ML	BRAIN O VISION SOLUTIONS (INDIA) PVT LTD	10/06/2020 to 11/07/2020	2 month
21	Altaf Bin Sarfraz	Data Analytics Consulting Virtual Internship	KPMG Virtual Internship	01/6/2020 to 30/06/2020	3 month
22	Deepesh shahdadpuri	Discovery during during training days	Accenture Virtual internship	15/07/2020 TO 13/08/2020	4 month
23	Vaibhavsingh Rajput	Data Analytics Consulting Virtual Internship	KNOWLEDGE SOLUTIONS INDIA(MICROSOFT AEP)	2/05/2020 to 13/06/2020	1.5 month
24	Anisha Asis Patnaik	Data Analytics Consulting Virtual Internship	KNOWLEDGE SOLUTIONS INDIA(MICROSOFT AEP)	2/05/2020 to 13/06/2020	1.5 month
25	Mitali Jadhaw	Data Analytics Consulting Virtual Internship	KNOWLEDGE SOLUTIONS INDIA(MICROSOFT AEP)	02/505/20 to 13/06/20	1.5 month
26	Yajnesh Shetty	Software Engineering Virtual Experience	InsideSherpa Virtual Internship - JP Morgan Chase	May 2020	1 month
27	Isha Bhonge	Advanced Embedded System Design using Tiva C Series	EdGate Technologies under university program of Texas Instruments	20/05/2020 to 29/05/2020	10 days
28	Isha Bhonge	Engineering: Undergraduate & Masters Virtual Internship prog.	Microsoft-InsideSherpa Virtual Internship	05/06/2020 to 05/07/2020	1 month

● **Industrial Visit**

Industry Visit - Company Name	Industry Visit - Location/Venue	Industry Visit - Start Date	Industry Visit - Duration	Industry Visit – Description
Nil				

- **Project Innovations**
- **Industry Projects**

Sr. No.	Name of the Industry	Title of Project	Name of Students	Resource Person	Project Mentor
Nil					

- **Skill Development Activities**

Skill Enhancement Lectures (SEL)

Sr. no.	Company name	Company sector	Name Of Speaker	Designation	Date of lecture	Subject	Topic
1	Nesa Radiation Solutions Pvt. Ltd.	Telecommunication	Vikas Singh	Chief RF Engineer	19th Sept 2020	Mobile communication	Radiation Hazards and remedies
2	IIT-Bombay	Educational	Ashwini Gajarushi	Research Associate	26th Sept 2020	Electronic Devices and Circuits (EDC)	Perspectives of semiconductor technology: fabrication, vlsi design, research and job opportunities

- **Extra-curricular activities**

❖ Participation in Inter College Competitions

Sr. No.	Name Of Student	Name Of Event	Name Of College	Awards	Level
1	Saheb Wadhwa	Mock Stock	Jai Hind College	Participated	single level competition
2	Aman More	aakarshan	KJ medical college	First	group dance
3	Kunal khaladkar	Symphone	KJSCE	2nd	Band (Music)
		Etamax	FCRIT	2nd	Band (Music)
4	Ambeshkumar Mishra Rohan khare Ashirwad Bedekar	2021 GOLC International Online Laboratory Award	REV 2021	Winner	National Level
5	Saheb Wadhwa Kaustubh Salve Deepesh Shahdadpuri Nikhil Oza Rohan Khare kimaya Kolambe	Underground cable damage detection (Smart India hackathon)	SIH AICTE	Participant	National Level

6	Phalguni Shendye	StudentsBuild4Covid19 Global hackathon	Ambika Sharma (Group product manager at US bank), Apoorva Patki (Ex- Accenture, Commerz Bank) and James Sonntag (Staff Engineer at Figure Technologies)	Participant	Finale
7	C V Ananya Adith Nair	CII - Debate		Winner	National Level

● **Student Publications**

Sr. No.	Name Of The Student	Name Of The Event	Name Of Organization/ Paper	Awards	National/International
1	Amogh Manoj Joshi	IEEE TENCON 2020, Osaka, Japan (16-19 November 2020)	Deep Learning Based Approach For Malaria Detection In Blood Cell Images	Paper accepted for Oral Presentation and published in IEEE Xplore	International
2	Amogh Manoj Joshi	IEEE INDICON 2020, Delhi	A Machine Learning Based Bike Recommendation System Catering To User's Travel Needs	Paper accepted for Oral Presentation and published in IEEE Xplore	International