

FACULTY CONTRIBUTION

- **Courses Conducted by Faculties**
- **Orientation Programs**

Sr. No.	Conducted By	Course description	Organized by	Date	Number of days
1	Dr. Abhay Kshirsagar	Mini Project	VESIT	6st August 2020	1
2	Dr. Rajani Mangala	Board of Studies	Mumbai University	3rd August 2020	1
3	Mrs. Sarika Kuhikar	Electronic Instrumentation and Measurements[Attended]	Datta Meghe	2nd August 2020	1
4	Mrs. Anushree Prabhu	Digital Logic Circuits[Attended]	RAIT	20th July2020	1
5	Mrs. Yogesh Pandit	Digital Logic Circuits[Conducted]	RAIT	20th July 2020	1
6	Mrs. Yogesh Pandit	Electrical Network Analysis and Synthesis[Attended]	RAIT	17th July2020	1
7	Mrs. Dipti Karani	Mini Project 1[attended]	Datta Meghe	25th July 2020	1
8	Mrs. Dipti Karani	Electronic Instrumentation and Measurements[Attended]	Datta Meghe	2nd August 2020	1
9	Mrs. Amrita Jhaveri	Electronic Instrumentation and Measurements[Attended]	Datta Meghe	2nd August 2020	1

- **Workshop/Courses Conducted by Faculties**

Sr. No.	Conducted by	Course Description	Organized by	Date	Number of days
1	Department of Electronics and Telecommunica	Green Internet Of Things -Phase 3	AICTE Sponsored	7th to 12th December 2021	6

	tion in collaboration with Department of Electronics Engineering & Instrumentation Engineering				
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● **Courses Attended by Faculty**

Sr. No.	Attended By	Course description	Organized by	Date	Number of days
1	Mrs. Kavita Tewari	Evolution from offline to online	Satish Pradhan Dnyanasadhana college Thane	30th May 2020 to 3rd June 2020	5
2	Dr. Asawari Dudwadkar	STTP on sensors, IOT and ML	Somaiya college of Engg	1 to 5 June 2020	5
3	Dr. Asawari Dudwadkar	Steering HEI's in the wake of Covid -19	VESASC college	9 to 12th June 2020	5
4	Dr. Asawari Dudwadkar	Recent Innovation in electric vehicles	GATES COE/Gooty-AP	8 to 12 June 2020	5
5	Dr. Asawari Dudwadkar	our freedom is not free	Somaiya college of Engg	23rd June 2020	1

6	Dr. Asawari Dudwadkar	Research PaperWriting & citation manager	PES, COE, Aurangabad	21st June 2020	1
7	Dr. Asawari Dudwadkar	DESIRable skills for the Future	St. Joseph COE , Chennai	27th JUne 2020	1
8	Dr. Asawari Dudwadkar	Outcome based education	IETE west zone,Navi Mumbai	19 and 20 June 2020	2
9	Dr. Asawari Dudwadkar	Joyful living	VESLARC	29th june 2020	1
10	Dr. Asawari Dudwadkar	V- Reach series	VESIT	22 ,26,28,30 June 2020	5
11	Dr. Asawari Dudwadkar	Enabling Self reliant economy through Techno social Innovation	UNNAT BHARAT RGIT	25 TO 27 june 2020	3
12	Dr. Asawari Dudwadkar	V- Reach series	VESIT	1 to 9 July 2020	7
13	Mr. Yogesh Pandit	Sensor,IoT & Machine Learning	K.J.Somaiya college of Engineering	1st June to 5th June,2020	5
14	Mr. Yogesh Pandit	V- Reach series	V.E.S. Institute of Technology	June 20,2020 to 12 July 2020 (6 sessions)	21
15	Mr. Yogesh Pandit	Mixed Signal Circuit Design using CADENCE tool	VESIT and ENTUPLE Technologies	July 01,2019- July 05,2019	5
16	Mrs. Sarika Kuhikar	Signal Analysis,Machine Learning,and its applications	RAIT	1st June- 5th June	5

		using Python and Matlab			
17	Mrs. Sarika Kuhikar	Internet of Things(IOT) and its Applications Industry	RAIT and B&R Automation PVT Ltd Pune	8th June-12th June	5
18	Mrs. Amrita Jhaveri	STTP on sensors, IOT and ML	Somaiya college of Engg	1 to 5 June 2020	5
19	Mrs. Amrita Jhaveri	FDP on Electronic System Design, Modelling and Simulation	Pillai HOC college of Engineering and Technology, Rasayani	8 June to 10 June 2020	5
20	Mrs. Amrita Jhaveri	V- Reach series	V.E.S. Institute of Technology	June 20,2020 to 12 July 2020	21
21	Mrs. Amrita Jhaveri	Joyful living	VESLARC	29th June 2020	1
22	Mrs. Amrita Jhaveri	Modern Educational Tools and Pedagogical Practices for online Teaching	Vidyalankar Institute of Technology	21st to 25th June,2020	5
23	Mrs. Amrita Jhaveri	AUTOMATU S 2020-make Autonomous Yours	Vidyavardhini College of Engineering & Technology	1st June-12th June 2020	14
24	Mr. Abhishek Chaudhari	LATEX for Everyone	Ramrao Adik Institute of Technology	18th June-20 June	3
25	Mr. Abhishek Chaudhari	5G Wireless Communication system using MATLAB 5G	V.E.S. Institute of Technology	12th & 13th May,2020	2

		Toolbox			
26	Mr. Abhishek Chaudhari	V- Reach series	V.E.S. Institute of Technology	June 20,2020 to 12 July 2020	21
27	Ms. Rakhi Jadhav	RECENT TRENDS IN DATA SCIENCE AND INFORMATION SECURITY	Ramrao Adik Institute of Technology	22nd June to 26th June 2020	5
28	Ms. Rakhi Jadhav	LATEX for Everyone	Ramrao Adik Institute of Technology	18th June-20 June	3
29	Ms. Rakhi Jadhav	Internet of Things A Its application in Industry	Ramrao Adik Institute of Technology	8th June-12 June	5
30	Ms. Rakhi Jadhav	Recent Trends and Applications of Machine Learning and Deep Learning in IT	Ramrao Adik Institute of Technology	25th May -29th May 2020	5
31	Mrs. Deepti Karani	“MATHEMATICS : A Practical Approach in Science and Technology”	MSPM’s Deogiri Institute of Engineering and Management Studies, Aurangabad(Maharashtra).	28th June to 3rd July 2020.	5

32	Mrs. Deepti Karani	Digital Image Processing with Research Methodology	Karpagam College of Engineering, Coimbatore	15 June- 19 June 2020	5
33	Mrs. Deepti Karani	ICT/LMS Tools for Teaching & Learning	K.C. College of Engineering & Management Studies & Research, Thane (E)	16th June 2020 to 19th June 2020.	4
34	Mrs. Deepti Karani	AUTOMATU S 2020-make Autonomous Yours	Vidyavardhini College of Engineering & Technology	1st June-12th June 2020	12
35	Mrs. Deepti Karani	Internet of Things	corporation Pradesh state skill development	15th june-27 th june 2020	14
36	Mrs. Deepti Karani	RECENT TRENDS IN DATA SCIENCE AND INFORMATION SECURITY	Ramrao Adik Institute of Technology	22nd June to 26th June 2020	7
37	Mrs. Deepti Karani	LATEX for Everyone	Ramrao Adik Institute of Technology	18th June-20 June	3
38	Mrs. Deepti Karani	Internet of Things A Its application in Industry	Ramrao Adik Institute of Technology	8th June-12 June	5
39	Mrs. Deepti Karani	V- Reach series	V.E.S. Institute of Technology	June 20,2020 to 12 July 2020	21

40	Mrs. Anushree Prabhu	Usage of Technology in COVID 19	Terna Engineering College, Nerul	28th May to 2nd June	5
41	Mrs. Anushree Prabhu	Statistical Analysis of Qualitative data using Advance Excel for research Scholars	Rizvi College, Mumbai	(3 to 4 June)	2
42	Mrs. Anushree Prabhu	Emerging Education & the Industry: A post COVID- 19 perspective	RGIT, Mumbai	(1 to 5 June)	5
43	Mrs. Anushree Prabhu	Exploring the Dimension of Innovation, Incubation and Emerging Technologies to Embrace Post Covid Changes	Finolex Academy of Management and Technology	8th June 2020 to 12th June 2020	5
44	Mrs. Anushree Prabhu	ICT/LMS tools for teaching and learning	KC college of management and engineering Thane	(16 to 19 June)	4

45	Mrs. Anushree Prabhu	Enabling Self Reliant Economy Through Technosocial Innovation in a perspective of Post Covid 19 Rural India	Unnat Bharat Abhiyan Cell Rajiv Gandhi Institute of Technology	25th to 27th June 2020	3
46	Mrs. Anushree Prabhu	V- Reach series	V.E.S. Institute of Technology	June 20,2020 to 12 July 2020	21

● **NPTEL Certifications**

Sr. No.	Name of the Faculty	NPTEL Course Description	Organized by	Period	Score
1	Dipti Karani	Essential Mathematics for Machine Learning	IIT ROORKEE	SEP-NOV 20	63
2	Mrs. Amrita Jhaveri	Certificate of Appreciation from NPTEL	IITM	Jan-Dec 2020	-
3	Mrs. Amrita Jhaveri	Body language: Key to professional Success	IITM	Sep-Oct 2020	85
4	Mrs. Amrita Jhaveri	Technical English for Engineers	IITM	Sep-Nov 2020	84
5	Mrs. Amrita Jhaveri	Design Thinking - A Primer	IITM	Sep-Oct 2020	84
6	Mrs. Amrita Jhaveri	Enhancing Soft Skills and Personality	IITM	Feb-Apr 2020	87
7	Mr. Yogesh Pandit	Digital Circuits	IIT Kharagpur	Sep-Dec 2020	76

• **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
Dr. T. Rajani Mangal a	Professor	Dec 2020	International	Journal	Three Swarm Intelligence Algorithms for Wireless Sensor Network Applications: A review	-	-	Journal of Science and Technology	ISSN: 2456-5660 Volume 5, Issue 6,
Dr. T. Rajani Mangal a	Professor	Sept 2020	International	Journal	Deep Convolutional Neural Networks Approach for Classification of Lung Diseases using X-Rays: COVID-19, Pneumonia, and Tuberculosis	-	-	International Journal of Performance Engg	Vol. 16, No. 9,

Dr. Asawari Dudwadkar		June 2020			Automated Hydroponics with remote monitoring & control			IJERT	volume 9, issue 6
Mr. Abhishek Chaudhari		Aug 2020	International Journal		Autonomous Car with Optimized Dynamic Range using Machine Learning : A Review	-	-	IJRASET	ISSN: 2321-9653;

● **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

● **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

● **Alumni Interaction**

V-Reach (An Alumni Engagement Initiative)

- On 22nd June i.e. first session of V-reach Mr.Nestor Lobo and Mr. Ajinkya Padwad gave us very insightful information, advice, and statistics of life during as well as after pursuing a Masters in the US. The speakers provided a real picture and gave guidance for planning for higher studies and achieving our goals. Towards the end, there was a question-answer session wherein the viewers asked questions related to entrance exams, higher studies, etc.
- On 28th June Mr. Omkar Tulaskar cleared misconceptions that one needs to know more than C programming to be a successful electronic engineer. One needs to know micro-controllers, how to read datasheets/clear fundamentals, protocols, and

code- base architecture along with C programming. Then Mr Omkar proceeded to lay down some Dos and Don'ts. He advised against writing Spaghetti Code or using Arduino IDE and libraries blindly. Instead, he advocated for Bare Metal Coding, BSP & HAL, Algorithms and GitFlow. Job opportunities like firmware developer, embedded system developer, testing and validation, IoT developer, System Integration Engineer, Automation, and Robotics to name a few, were then discussed in the presentation. Next, the topic of EV industry and its domain were discussed. He spoke on important concepts such as battery management systems, charging infrastructure, motor control units, energy storage systems, and finally OEMs like Tesla. Second speaker Mr. Rachit Pradhan further elaborated on this topic. He talked about EV, EV ecosystems, EV worldwide sales, Sub-industries in EV like Li-ion battery manufacturing, battery management, motor control, motor, and powertrain design, onboard chargers, grid-connected chargers, etc. Furthermore he talked about the macro-level challenges that the EV industry faces such as almost negligible domain experts thus needing to rely on European/American experts and also students have less exposure to practical knowledge during degree education. He advised on getting fundamentals straight, strong grip on design tools, learning to solder properly thus becoming self-reliant and encouraged students to participate in competitions. Finally, there was a joint question-answer session and Rachit explained that it isn't always necessary to start ideas from scratch, you can always build on top of already existing ideas and improve them. This session cleared some major questions the students were facing.

- On 12th July, Mr. Anand Ramaswami, ETRX-2006, Google and Mr. Saurabh Gandhi, ETRX-2006, AnyVision. interacted with Students. Mr. Saurabh Gandhi shared a storyline where he shared his goals as a young adult in VESIT and how his eventual exposure to the industry shaped his thoughts. Mr. Anand Ramaswami on the other hand explained all the lessons he learned from when to change industries to various skills one learns from each job role. Next, Mr. Anand explained the roles and responsibilities of a product manager with a meme and some creative slides. "Does the level of requirements of soft skill directly indicate the closeness of the concerned profile to the final customer?" and "Switching gears in careers - what are your thoughts and take on that?", these were some of the few questions that were promptly taken up by Mr Anand and Mr Saurabh "Experience is a true source of knowledge." Quite a few students felt a need to learn more about how to go about with life and career right after graduation. The session was definitely helpful and cleared a lot of minds.

- **Entrepreneurship Initiatives**

NA

- **Photos**

STUDENT ACHIEVEMENTS

- **Competitive Exams for Academic Year 2020-21 : NA**
- **Higher studies details for 2020-21 : NA**

- **Student Participation**

- **Workshops/Seminars**

The Tinkerer's lab of electronics department (VESIT, Mumbai) conducted a workshop on Analog, Digital electronics and PCB designing. The workshop was conducted spanning a period of three days from 22nd August to 24th August 2020 with each interactive hands-on session lasting about two and a half hours each on Google meet platform.

- **Industry Interactions**
- **Industrial Visit**

Industry Visit - Company Name	Industry Visit - Location/Venue	Industry Visit - Start Date	Industry Visit - Duration	Industry Visit - Description
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- **Project Innovations**
- **Industry Projects**

Sr. No.	Name of the Industry	Title of Project	Name of Students	Resource Person	Project Mentor
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- **Skill Development Activities**

Skill Enhancement Lectures (SEL)

NPTEL

Certification Programs

- **Co-curricular Activities**

Intra College Activities

Professional Society Activities

- **Extra-curricular activities**

Participation in Inter College Competitions

Participation in Intra College Competitions

- **Photos**