

## **Newsletter 21-22**

**Department of Electronics and Telecommunication**

**Engineering**

**Gharda Institute of Technology Lavel, Ratnagiri.**



### **Department of EXTC Vision:**

1. To create an environment to transform young minds into professional engineers in the field of electronics and telecommunication to provide valuable assets to society.

### **Department of EXTC Mission:**

1. To provide knowledge through electronics and telecommunication curricula.
2. To develop and apply skills to the chosen profession.
3. To adapt lifelong learning to enrich the practice with professional ethics.

### **Program Educational Objectives (PEOs)**

1. Able to identify and solve the challenges in the field of electronics and telecommunication engineering.
2. Pursue the profession by applying the knowledge in the technical and allied field.
3. Adopt lifelong learning to meet the professional requirements.
4. Able to adapt to technological changes.

### **Program Specific Objectives (PSOs):**

1. Analyse, design, develop, validate, and apply electronics domain-based subjective and mathematical foundations in the development of technical solutions to real-life problems.
2. Prosper the skills to solve problems in the field of embedded systems, signal processing, antenna, and communication along with effective cooperation in interdisciplinary fields.
3. Integrate effective communications with professionals in various fields while working and follow environmental and social ethics to pursue lifelong professional development in E&TC.

### **Program Outcomes: -**

**PO1: Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO2: Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO3: Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate

consideration for the public health and safety, and the cultural, societal, and environmental considerations.

**PO4: Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**PO5: Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

**PO6: The Engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

**PO7: Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**PO8: Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**PO9: Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO10: Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**PO11: Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**PO12: Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

- **INTRODUCTION:**

Department of Electronics and Telecommunication Engineering has been established in year 2009. The Department offers a Four Year Bachelor of Engineering Degree Program in Electronics and Telecommunication Engineering. It has well experienced and qualified faculty members as well as technical assistants. Total student strength of the department is 86. Department has well equipped classrooms with smart boards, audio/Video Facility, LCD Projector, OHP's, Multimedia PC, Internet facility.

- **PULSE ACTIVITIES:**

- The Department Of EXTC is having student's association 'PULSE' stands for 'Pioneer Union for lighting the science of Engineering'. Prof. S. N. Pandharkame is working as PULSE coordinator for the academic year 2021-22. All the activities regarding workshops, fresher's party, Farewell, seminars are taken by PULSE committee. For the successful conduction of all the following events, PULSE team worked very hard under the guidance of PULSE coordinator Prof. S. N. Pandharkame and HOD EXTC Prof. S. R. Khedekar.

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	Post	Name of Student
1.	President	Miss. Ambre Siddhi
2.	Co-President	Miss. Juikar Ifrah
3.	Secretary	Mr. Kadam Abhishek
4.	Co- Secretary	Mr. Mahadik Viredra
5.	Treasurer	Miss. Sakharkar Iram
6.	Co-Treasurer	Miss. Tathare Manasi
7.	Decoration Head	Mr. Ile Ganesh
8.	Technical Head	Mr. Kaskar Usama
9.	Event Organizer	Mr. Gaikwad Suyog
10.	Sports Head	Mr. Mhapralkar Tejas

**PULSE ACTIVITIES IN 2021-22**

Sr. no	Name of the activity	Date	No. of students/ staff attended	Name of the resource person
1	Seminar on selection of project on embedded system	12/08/2021	20	Mr. Omkar Dandekar Director and Head – Tech Tronix Projects
2	Placement talk	15/08/2021	2/50	Placed EXTC Students 2020-21 Mayuri Aswekar, Mrunal Katkar, Harshada Paldhe, Revati Palande
3	Seminar on Redhat certification and job opportunities .	25/08/2021	2/90	Mrs. Bhagyashri Bhat Manager- BIT Solutions
4	Latex workshop	18/09/2021	4/50	Prof. Khandke and Prof. R. B. Pawar- Asst. Prof. Comp Dept.
5	Engineer's day celebration	18/09/2021	4/50	
6	seminar on career opportunities in networking and cyber security	25/09/2021	5/60	Mr.Venugopal Adep Technical Deliver Manager TIAA
7	Webinar on career opportunities in red hat Linux	04/10/2021	3/70	Rani Patil- Manager-Global Linux Services Red Hat, India
8	Seminar on Digital Marketing and Trends	31/10/ 2021	2/48	Ms. Vishakaha Surywanshi (Alumni 2015), Sr. Growth Marketing Strategies, Orion



Details of seminar on 'selection of project on embedded system' by Mr. Omkar Dandekar  
Date- 12/08/2021

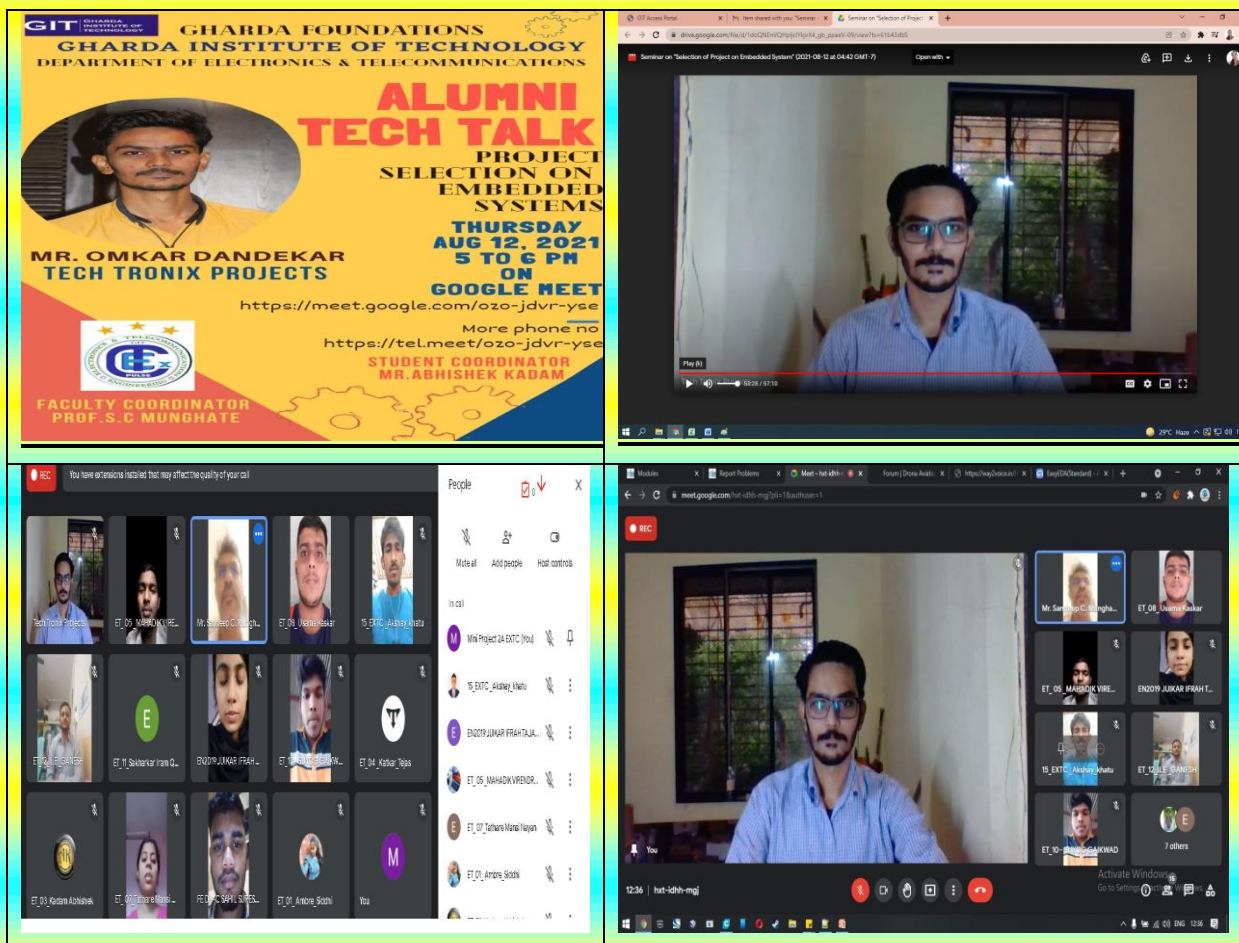
The department of Electronics and Telecommunication organized seminar on 'selection of project on embedded system' on 04<sup>th</sup> Oct 2021. The speaker for the same was Mr. Omkar Dandekar who is very bright and enthusiastic alumni of EXTC Dept, GIT having vast knowledge in the field of embedded systems. He accepted our request and gave very nice and interactive seminar on above mentioned subject. He is director and head of Tech Tronix Projects. 20 students attended the seminar. He also demonstrates some projects in embedded system.

Details of seminar and link shared with students and staff was as follows.

Seminar on selection of project on embedded system

Thursday, Aug 12. 17-00-18.00

Google meet joining info video link: <https://meet.google.com/hxt-idhh-mgj>



Details of Placement talk by some of the placed students of batch 2020-21

Date- 15/08/2021

**Resource Person:** - Ms. Mrunal Katkar, Ms. Mayuri Aswekar Reliance Jio,  
Ms. Harshda Paldhe NTTD,  
Ms. Revati Palande Neo Soft (Alumni 2021 Batch)

**Date:** 15 August 2021 **Time:** 11 To 12.00 PM **Mode:** Online **Participant:** 69

Students of E&TC department are selected in various industries through campus placement as well as specific training course. These students mentioned above shared their experience about training and importance of various aspects as a fresher. In this session, Revati Palande talked about importance of campus placement and ready skills required for industries. Mayuri has said about importance of technical skill like Linux. Networking and database management. Asmita emphasized on resume preparation, mock interviews and continues practice of technical skills. Harshada conveyed that not only academics but communication skills are also important do develop or personality.

The students in TE and BE (E&TC) had asked the doubts actively and session was had healthy discussion. Vote of thanks given by prof. Iltapawar Tirupati.

**GIT** GHARDA INSTITUTE OF TECHNOLOGY  
**GHARDA FOUNDATIONS**  
**GHARDA INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION**

# PLACEMENT TALK

**15 AUGUST 2021**  
**11.00AM**

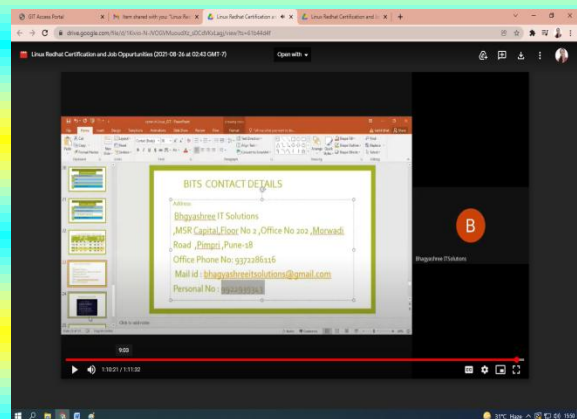
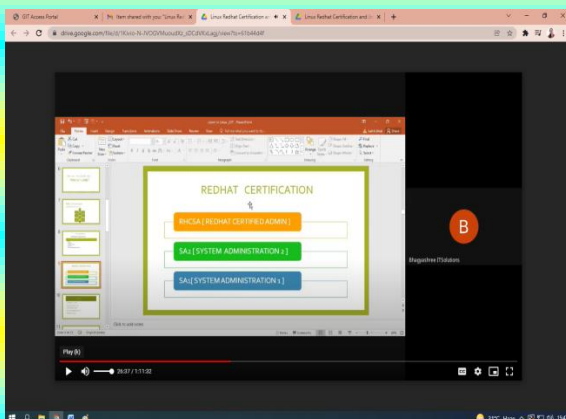
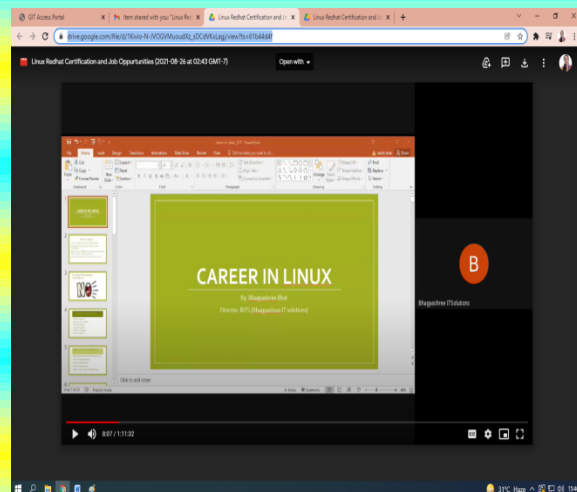
**MAYURI ASWEKAR**  
**MRUNAL KATKAR**  
**HARSHADA PALDHE**  
**REVATI PALANDE**

**Jio** DIGITAL LIFE  
**Jio** DIGITAL LIFE  
**NC**  
**NeoSOFT** TECHNOLOGIES

**Details of Seminar on ‘Redhat Certification and job opportunities’ by ‘Mrs. Bhagyashri Bhat’, BIT Solutions Date- 25/08/2021**

The Dept. of Electronics and Telecommunication organized a seminar on ‘Redhat Certification and job opportunities’ on 25/08/2021. The speaker for the same was Mrs. Bhagyashri Bhat from BIT (Bhagyashri IT Solutions).

BITS is an initiative to make learning enjoyable and prepare the young generation for the growing demands of IT industry specially in the infrastructure management services. In today’s world, if you watch closely the various mobile application, internet websites, devices etc., all of them use linux based infrastructures on the service side. The top web companies in the world like google, amazon, facebook, twitter, Netflix operate at such a large size and scale with linux servers. A career in linux technology has always been extremely rewarding for many and seems to be evergreen and recession proof.





**Details of 'Latex Workshop' on the occasion of Engineer's day Date- 18/09/2021**

Student association of Electronics & Telecommunication Department "PULSE" and Computer Department "ASCEE" jointly organized One day workshop on "OPEN SOURCE TECHNOLOGY LATEX" on 18/09/2021 on the occasion of "Engineers day". The resource person for this workshop is Prof. M. A. Khandke, Assistant Prof. Dept of Computer Engineering, Gharda Institute of Technology, Lavel. Prof. T. L. Iltapawar, Assistant Prof. Department of Electronics and Telecommunication delivered speech on engineer's day. Mast Virendra Mahadik, Mast. Abhishek Kadam, Miss. Soumyakumari helps to manage the event.

After celebration of Engineers day, Prof. M. A. Khandke started the session on LaTeX, where he gives the hands-on on how to prepare the project report using open source documentation software LaTeX.



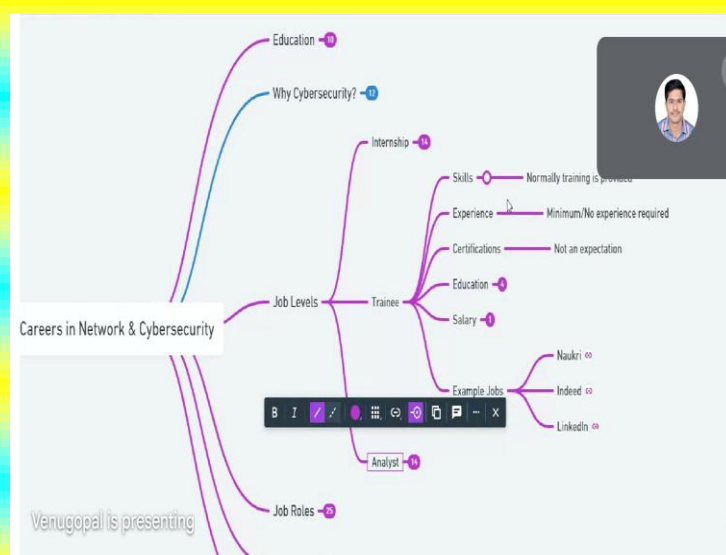
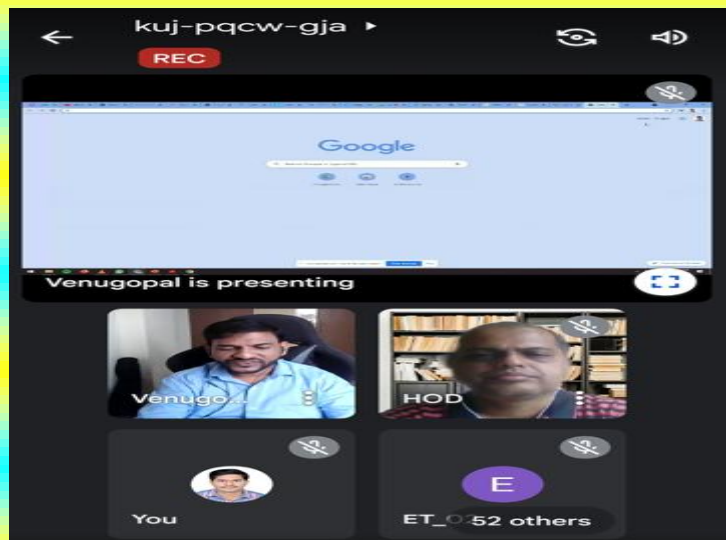
Details of seminar on ‘Career opportunities in networking and Cyber Security’ by Mr. Venugopal Adep Date- 25/09/2021

The department of Electronics and Telecommunication organized seminar on ‘Career opportunities in networking and Cyber Security’ on 25<sup>th</sup> September 2021. The speaker for the same was Mr. Venugopal Adep, Technical Deliver Manager TIAA, having vast knowledge in the field of Networking and Cyber Security. He accepted our request and gave very nice and interactive seminar on above mentioned subject. 60 students attended the seminar. Details of seminar and link shared with students and staff was as follows.

Seminar on Career opportunities in networking and Cyber Security

**Date:** 25 September 2021 **Time:** 10.00 AM To 12.00 PM **Mode:** Online **Participant:** 60

Google meet joining info video link: <https://meet.google.com/kuj-pqcw-gja>



**Details of webinar on career opportunities in red hat linux, by 'Rani Patil**  
**4/10/2021**

Gharda Institute of Technology's Red Hat Academy in association with ASCEE and PULSE, jointly organized a Webinar on "Career Opportunities in Red Hat Linux" on Monday, 4<sup>th</sup> October 2:00 pm – 3:00 pm. The speaker for this webinar was Rani Patil-Manager-Global Linux Services Red Hat, India having 22+years experienced Red Hat professional. Total 70 students attended the same. This event was co-ordinate by Prof. R. B. Pawar (ASCEE Chairman) and Prof. S. N. Pandharkame (PULSE Chairman) and Student leaders-

ASCEE Student President: Ms. Somya kumari

PULSE President: Ms. Siddhi Ambre

Following are the webinar details:-

Monday, October 4. 2.00-4.00 PM

Google meet joining info video link: <https://meet.google.com/avd-mqss-kpy>

**GF GHARDA FOUNDATION** | **GIT** | GHARDA INSTITUTE OF TECHNOLOGY

# CAREER OPPORTUNITIES IN RED HAT LINUX.

04 October 2021 | OUR SPEAKER  
2.00 PM TO 3.00 PM  
**RANI PATIL**  
Manager – Global Learning Services  
Red Hat India  
22+ years' experienced professional

Organised by Red Hat Academy in association with ASCEE & PULSE

**RED HAT ACADEMY** & **ASCEE** & **PULSE**  
DEPT.COMPUTER ENGINEERING | DEPT.ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING

Red Hat Academy Admin Staff Coordinator **Mr. Vijesh.M.Nair.**  
Red Hat Academy Student Coordinator **Somyakumari**

GOOGLE MEET LINK :- <https://meet.google.com/avd-mqss-kpy>

Photo - Screenshot\_2021-10-04-21:14:43 (com.google.android.gm) | 2:02 PM | About this call | People | Information | ET\_01\_Ambre\_Siddhi | ET\_01\_Ambre\_Rohit | ET\_02\_AJINKAR\_PRAHARAJ | ET\_04\_Mhapatkar\_Tejas | ET\_09\_Sahil Karyanwanshi | ET\_10\_Khadse\_Payal | ET\_11\_Sakharkar\_Iran\_Dayal | ET\_19\_Radhika\_Rathod | ET\_21\_Shejye\_Siddhesh | ET\_22\_Shinde\_Shubham | ET\_24\_Takale\_Sharun | Rani Patil | Toot ACADEMY

Details of seminar on 'Digital Marketing and Trends' by Ms.Vishakaha Surywanshi (Alumni 2015), Sr. Growth Marketing Strategies, Orion Date- 12/08/2021

**Resource Person:** - Ms.Vishakaha Surywanshi (Alumni 2015), Sr. Growth Marketing Strategies, Orion,

**Date:** 31 October 2021 **Time:** 11 To 12.00 PM **Mode:** Online **Participant:** 48

Google meet joining info video link: <https://meet.google.com/tnd-stpd-obc>

Digital marketing refers to any marketing methods conducted through electronic devices which utilize some form of a computer. This includes online marketing efforts conducted on the internet. In the process of conducting digital marketing, a business might leverage websites, search engines, blogs, social media, video, email and similar channels to reach customers. Digital marketing is an ever-changing, dynamic process. According to LinkedIn, the industry is growing every year, paying a living wage, and has the greatest number of job openings. Businesses need digital marketers – Every business needs digital marketers to attract and retain customers.

Ms. Vishakha explored the details in digital marketing tools. She has explained from normal digital platforms to advanced digital platforms. In this seminar students came to know about data analysis tools, freelancers, influencer and software's in digital marketing. She explained the role of backhand and front engineer skill set required to grab the jobs in this industry.

She suggested the courses and career path in digital marketing trends.



**Placement in 2021-22**

SR. NO	NAME	Company name	Package	Photo
1	Jangam Siddhant	Intelipat	9.0 L	
2	More Shubham	Capgemini	4.0 L	
3	Vadke Riya Samadhan	TCS	3.36 L	
4	Ilake Tanvi Tanaji	TCS	3.36 L	
5	Shinde Shubham	TCS	3.36 L	
6	Rathod Radhika	TCS	3.36 L	



**BE ODD Sem 2021-22 Topper list:**

SR. NO	NAME	CGPA
1	Ilake Tanvi Tanaji	9.42
2	Gurav Parag Vishnu	9.27
3	Ambre Rohit Lahu	9.12
4	Patne Aniket Anil	9.04
5	Vadke Riya Samadhan	8.96

**Staff achievements:****Publications:**

- 1) Reasech paper titled “ Hierarchical control of a low voltage DC Microgrid with coordinated power management strategies” is accepted for publication in the journal ‘Engineering, technology and applied science research’(ETASR) by Mr. S. K. Muchande

**No. of papers presented in conferences:**

- 1) Mrs. V. S. Kolge has successfully presented a paper at the 2nd International Conference on ICICNIS organised by St. Joseph’s Coll of Engg and Tech, Kottayam, India on 28, 29 June 2021.
- 2) Mr. S. N. Pandharkame has successfully presented a paper at the 2nd International Conference on ICICNIS organised by St. Joseph’s Coll of Engg and Tech, Kottayam, India on 28, 29 June 2021.
- 3) Mr. S. C. Munghate has successfully presented a paper at the 2nd International Conference on ICICNIS organised by St. Joseph’s Coll of Engg and Tech, Kottayam, India on 28, 29 June 2021.

**Extra – Curricular Activities:**

- 1) Mr. Pankaj Warak worked as Co-Coordinator for IDEATHON 2021 which was organized by RIT Islampur Sangli and Gharda Institute of Technology, Lavel is an organizer for Konkan Region

### **Workshop attended:**

- 1) The seven-week course completed by Mr. S. D. Latkar on “ The programming for everybody(Getting started withPython”) on the Coursera platform offered by University of Michigan
- 2) Mr. Pankaj Warak attended a workshop on “Understanding AI and ML from scratch” from 27th Dec to 31st Dec 2021 organized by Gharda Institute of Technology, Lavel.
- 3) Mr. Subodh Pandharkame attended a workshop on “Understanding AI and ML from scratch” from 27th Dec to 31st Dec 2021 organized by Gharda Institute of Technology, Lavel.
- 4) Mr. Sandeep Munghate attended a workshop on “Understanding AI and ML from scratch” from 27th Dec to 31st Dec 2021 organized by Gharda Institute of Technology, Lavel.
- 5) Mr. Madhusudan Mohite attended a workshop on “Understanding AI and ML from scratch” from 27th Dec to 31st Dec 2021 organized by Gharda Institute of Technology, Lavel.
- 6) Mr. Pankaj Warak attended workshop ”Robotics and Artificial Intelligence” organized by K.I.T's College of Engineering (Autonomous) 8/11/2021-12/11/2021
- 7) Mr. Pankaj Warak attended workshop “Challenges in Evolving Power System” organized by Finolex Academy of Management and Technology 22/11/2021-27/11/2021
- 8) Attended 1 week FDP on "Reliability and Security of VLSI Circuits & Systems for IoT" " from 02/08/2021 to 06/08/2021 at Indian Institute of Technology Jammu. AICTE Training and Learning (ATAL) Academy (Prof. Munghate Sandeep C.)
- 9) One Week FDP on "ANTENNA: DESIGN AND ANALYSIS” from 23 August to 28 August 2021 Organized by ST. XAVIERS TECHNICAL INSTITUTE MAHIM,MUMBAI (Prof: Mohite. M. A)
- 10) Attended One week FDP on “Electric Vehicle” organized by Vivekanand Education Society's Institute of Technology in association with AICTE Training And Learning (ATAL) Academy from 05/07/2021 to 09/07/2021 (Prof. S. C. Munghate) Dated: 12th July to 17th July 2021.
- 11) Prof. V. S. Kolge has successfully completed one-week online STTP on “BLOCKCHAIN AND IT’S APPLICATIONS (Phase-III)”

### **Orientation program attended:**

- 1) Online faculty orientation program for the course of “Data compression and cryptography” Third Year, Electronics & Telecommunication Engineering, Semester-V (Rev-2019 C Scheme) by “Don Bosco Institute of technology, Mumbai” on behalf of University of Mumbai on 12th July 2021. (Dr. Sachin Khedekar )
- 2) online faculty orientation program for the course of “Mini-Project 2A :Embedded System Project (ECM501)” Third Year, Electronics & Telecommunication Engineering, Semester-V (Rev-2019 C Scheme) by “A. P. Shah Institute of Technology, Thane” on behalf of University of Mumbai on 15th July 2021. ( Prof. Munghate S. C)
- 3) Online faculty orientation program for the course of “Digital Communication” Third Year, Electronics & Telecommunication Engineering, Semester-V (Rev-2019 C Scheme) by “SIES Graduate School of Technology, Mumbai” on behalf of University of Mumbai on 7th July 2021. ( Prof. Munghate S. C)
- 4) Online faculty orientation program for the course of “Digital VLSI” Third Year, Electronics & Telecommunication Engineering, Semester-V (Rev-2019 C Scheme) by “ATHARVA COLLEGE OF ENGINEERING, Mumbai" on behalf of University of Mumbai on 10th July 2021.(Prof. Mohite M. A)
- 5) Online faculty orientation program for the course of “Digital Communication” Third Year, Electronics & Telecommunication Engineering, Semester-V (Rev-2019 C Scheme) by “SIES Graduate School of Technology, Mumbai” on behalf of University of Mumbai on 7th July 2021. (Prof. Mohite M. A)
- 6) Online faculty orientation program for the course of “Mini-Project 2A :Embedded System Project (ECM501)” Third Year, Electronics & Telecommunication Engineering, Semester-V (Rev-2019 C Scheme) by “A. P. Shah Institute of Technology, Thane” on behalf of University of Mumbai on 15th July 2021. (Prof. Mohite M. A)
- 7) Online faculty orientation program for the course of “Discrete Time Signal Processing” Third Year, Electronics & Telecommunication Engineering, Semester-V (Rev-2019 C Scheme) by “Fr. C. Rodrigues Institute of Technology, Navi Mumbai” on behalf of University of Mumbai on 9th July 2021. (Prof. Pandharkame S. N.)
- 8) Online faculty orientation program for the course of “Digital Communication” Third Year, Electronics & Telecommunication Engineering, Semester-V (Rev-2019 C Scheme) by “SIES Graduate School of Technology, Mumbai” on behalf of University of Mumbai on 7th July 2021. (Prof. Pandharkame S. N.)
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- 11) Online faculty orientation program for the course of “Random Signal Analysis ” Third Year, Electronics & Telecommunication Engineering, Semester-V (Rev-2019 C Scheme) by “FCRIT, Vashi and VPPCOE & VA, Sion, Mumbai ” on behalf of University of Mumbai on 9th July 2021. (Prof. P. L. Warak )
- 12) Online faculty orientation program for the course of “Discrete Time Signal Processing” Third Year, Electronics & Telecommunication Engineering, Semester-V (Rev-2019 C Scheme) by “Fr. C. Rodrigues Institute of Technology, Navi Mumbai” on behalf of University of Mumbai on 9th July 2021. (Prof. P. L. Warak)