Newsletter 23-24

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 78. Department has well equipped classrooms with smart boards, audio/Video Facility, LCD Projector, OHP's, Multimedia PC, Internet facility. There are 8 well-equipped laboratories in the department. The department also tops in organizing employability development workshops/seminars for students and staff which are really fruitful and outcome based.

• <u>PULSE ACTIVITIES:</u>

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 2023-24. 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. Dr. S. R. Khedekar.

Sr. No Post Name of Student 1. President Mr. Shinde Aditya 2. **Co-President** Mr. Prabhu Keshav 3. Miss. Chille Sakshi Secretary 4. Co- Secretary Mr. Jambharkar Fidiyan 5. Mr. Ghanekar Swapnil Treasurer 6. **Co-Treasurer** Miss. Ambre sanika 7. **Decoration Head** Mr. Lambe Sahil 8. **Technical Head** Mr. Tawade Omkar 9. **Event Organizer** Mr. Bandarkar Muskan 10. **Sports Head** Mr. Chougale Dhirajkumar

PULSE ACTIVITIES IN 2023-24

			No. of students
Sr. no	Name of the activity	Date	
1	Solar maintenance visit, Shivneri Hostel, Mr.	09/08/2023	5
	Suhas Indrayani Solar System, Pune		
2.	Expert talk on DSP: an application overview	11/08/2023	18
	By Prof. P. V. Oak		
3	Technical quiz	01/09/2023	32
4	Online Webinar on IoT, MCED & CEMS	29/08/2023	36
5	Online Webinar on Red Hat certification in	02/09/2023	36
	LINUX By Mrs. Bhagyashree Bhat, BITS,		
	Pune		
6	Solar plant visit, Hoshang Patel Tech Center	05/09/2023	20
7	Teacher day celebration	05/09/2023	SE/TE/BE
8	Seminar on Mental health day By Prof.	10/10/2023	36
	Tiruapti Iltapawar		
9	Expert talk on PLC By Mr. Subodh Mone,	20/10/2023	33
	Autotech Technologies		
10	Seminar on Cyber Security By Mr. Shreyas	21/10/2023	55
	Karande		
11	Freshers Party celebration	21/10/2023	FE/SE/TE/BE
12	Aptitude test for SE & TE	27/10/2023	30
13	Seminar on AI Unleashed:	03/02/2024	54
	Navigations Careers,		
	Innovations, and Real world		

	applications		
14	Seminar on financial	09/02/2024	51
	Education		
15	Seminar on Stress Buster	21/02/2024	57
16	Online Expert Talk on Startup	20/03/2024	50
	and Entrepreneurship		
17	Seminar on Disaster	21/03/2024	42
	Management		
18	Women Development Activity	21/03/2024	28
19	Industrial Visit to Associated cables Pvt. Ltd.	17/10/2023	33
	Kherdi, Chiplun		
20	Industrial Visit to Washishti Milk & amp;	17/10/2023	33
	Milk Products Pvt. Ltd. Kherdi, Chiplun		
21	Industrial Visit to Pethe Brakes Motors Pvt.	22/02/2024	18
	Ltd., Guhaghar		
22	Industrial/Educational Visit to	04/04/2024	35
	Dr. Balasaheb Sawant Kokan		
	Krushi Vidyapeeth, Dapoli		

Report of Solar Maintenance visit

The following are the details of the same.

Date: 09/08/2023

Time: -3 to 5 PM

Venue:-Shivneri Boys Hostel(EXTC)

Total No of students attended -5 (TE EXTC)

Name of the staff Co-coordinators:- Prof. S. N. Pandharkame, K. Y. Deulkar

On 09/08/2023, a group of 5 students from T.E EXTC visited a solar facility as part of an educational and informative excursion conducted by PULSE Committee. The purpose of the visit was to gain firsthand knowledge about solar energy generation, its benefits, and its role in sustainable energy solutions. This report summarizes the key findings and experiences from the solar visit. Upon arrival, our group was warmly welcomed by the facility staff. A knowledgeable guide provided a comprehensive tour of the facility. The tour included visits to the solar panels, inverters, battery storage units, and the control center. Participants had the opportunity to observe the solar panels up close and learn about their functioning. The guide explained the different types of solar panels used at the facility, including monocrystalline and polycrystalline panels. Participants gained insights into the photovoltaic process, how sunlight is converted into electricity, and the factors affecting solar panel efficiency.

Some snaps of the same are shown below.





Our group had the chance to witness the actual energy generation process. We learned about the facilities capacity, the amount of electricity it produces annually, and how it contributes to reducing carbon emissions. This practical experience helped us understand the significance of renewable energy sources. Our group had the chance to witness the actual energy generation process. This practical experience helped us understand the significance of renewable energy sources.

Report of expert talk on DSP: An application overview

The following are the details of the same. Date: 11/08/2023 Time: -10.00 to 12.00PM Total No of students attended -18 (TE EXTC) Name of the staff Co-coordinators:- Prof. S. N. Pandharkame

The resource person for this workshop was Prof. P.V. Oak working in Gharda Institute of Technology. The lecture on digital signal processing (DSP) an application overview aimed to provide attendee with the comprehensive understanding of DSP concepts, techniques and its broad range of applications across various domains. The presenter delved into the fundamental principles of DSP and its significance in modern technology.

Some snaps of the same are shown below.



The attendance of expert lecture is shown below.

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Report of Technical Quiz

The department of E&TC has successfully conducted online 'Technical Quiz'. The following are the details of the same. Date: 01/09/2023 Time: -3:30 PM Venue:-BE & amp; TE classroom (EXTC) Students attended: BE and TE EXTC Name of the staff Co-coordinators:- Prof. S. N. Pandharkame

The Technical Quiz Competition held in Extc Department was highly engaging and intellectually stimulating event that took place on 1 Sept organised by pulsed committee. This Competition aimed to promote technical knowledge critical thinking and teamwork among the students the event witnessed enthusiastic participation from the students.

The banner Designed for the same is shown below.



Some snaps of the same are shown below.



The technical Quiz competition was resounding success bringing together students from BE and TE to celebrate their passion for electronics and telecommunication engineering. The event not only challenged participant technical knowledge but also encouraged teamwork and camaraderie. It played a crucial role in promoting a culture of continuous learning and academic excellence with the department.

Report of webinar on INTERNET of THINGS

The department of E&TC has successfully conducted free webinar on INTERNET OF THINGS (IoT). The following are the details of the same.

Date: 29/08/2023

Time: -3:30 PM

Venue:-BE classroom (EXTC)

Total No of students attended the webinar -36 (BE and TE EXTC)

Name of the staff Co-coordinators:- Prof. S. N. Pandharkame,

The Internet of Things (IoT) is a revolutionary paradigm that has profoundly impacted various aspects of our lives, industries, and economies. IoT refers to interconnected networks of devices and objects embedded with sensors, and connectivity, enabling them to collect, exchange and analyze data leading to more informed decision making and automation. This report provides an overview of IoT its current state key applications, challenges and future prospects.

The banner Designed for the same and attendance of the seminar is shown below.

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Some snaps of the same are shown below.





This report provides a comprehensive overview of IoT highlighting its current status, applications, challenges and future prospects. Total 36 Students attended the seminar with good enthusiasm.

Report of webinar on Redhat certification in Linux

Date- 02/09/2023

The following are the details of the same. Date: 02/09/2023 Time: -10.00 to 12.00 PM Total No of students attended -36 (TE BE EXTC) Name of the staff Co-coordinators:- Prof. S. N. Pandharkame and

The Red Hat Certification program is a globally recognized credentialing system for professionals seeking to validate their expertise in Linux and open-source technologies. This webinar provides an in-depth analysis of the Red Hat Certification program, highlighting its significance, available certifications, benefits, and the impact it has on career advancement within the IT industries.

Some snaps of the same are shown below.



The RedHat certification program plays a pivotal role in shaping the careers of IT professional by validating their Linux and open-source skills. With its globally recognized certifications, practical exam format, and industry relevance, RedHat Certifications serves as a valuable asset for career advancement and professional development in the ever-evolving world of technology.

Report of Teacher's Day celebration

Date- 05/09/2023

The department of E&TC has celebrated 'Teacher's day celebration'. The following are the details of the same

Date: 05/09/2023 Time: -03:00 PM -05:00 PM

Venue:-TE classroom (EXTC)

Total No of students attended: -(SE,BE and TE EXTC)

Name of the staff Co-coordinators:- Prof. S. N. Pandharkame.

Teachers' Day is a special occasion celebrated annually to honor and appreciates the invaluable contributions of educators to society. This report provides an overview of the

Teachers' Day celebration held at Gharda institute of technology, lavel on September 5, 2023.

The banner Designed for the same is shown below.



Some snaps of the same are shown below.





Students from various grades presented a series of entertaining and emotional cultural performances. These included dances, songs, and skits dedicated to teachers, showcasing their creativity and appreciation. The performances were a testament to the deep respect and love students have for their educators. Students expressed their gratitude through handwritten letters, cards, and small tokens of appreciation. These heartfelt messages and gifts were distributed to teachers, creating a warm and emotional atmosphere throughout the day.

As we concluded the celebration, it was clear that Teachers' Day served as a reminder of the vital role teacher's play in molding the minds and character of young individuals. It reinforced the commitment of the school and its stakeholders to continue fostering an environment where teachers can thrive and inspire generations to come.

Report of Seminar on MENTAL HEALTH DAY

Date- 10/10/2023

The department of E&TC has successfully conducted a free seminar on MENTAL HEALTH DAY. The following are the details of the same.

Date: 10/10/2023 Time: -10:30 PM Venue:-BE classroom (EXTC) Total No of students attended the webinar -36 (BE and TE EXTC) Name of the staff Co-coordinators:- Prof. S. N. Pandharkame Name of the Resource Person: -Prof. Iltapawar Tirupati L This report provides a comprehensive overview of Mental Health Day, an annual global event dedicated to raising awareness about mental health issues and promoting mental well-being. Mental. Mental Health Day serves as a platform to address the challenges, stigma, and disparities surrounding mental health, and to advocate for improved mental health services.



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	REDMININGTE SIPRIO MICHOP SO OTIMATOR MUSE CAGO LINALMERA	Dr. Khedekar Sachin HOD, EXTC	R

Some snaps of the same are shown below.



In conclusion, Mental Health Day serves as a crucial reminder of the importance of prioritizing mental well-being. It highlights the need for destigmatizing mental health issues, promoting self-care, and seeking support when necessary. Acknowledging the impact of mental health on individuals and society underscores the significance of ongoing awareness and resources to create a healthier, more compassionate world.

Report of Expert's talk on PLC

Date- 20/10/2023

The department of E&TC has successfully conducted a expert talk on PLC. The following are the details of the same.

Date: 20/10/2023 Time: -3:30 PM Venue:-BE classroom (EXTC)

Total No of students attended the webinar -33 (SE, BE and TE EXTC) Name of the staff Co-coordinators:- Prof. S. N. Pandharkame, Name of the Resource Person:-Subodh Mone

In the rapidly evolving world of automation and industrial control systems, the significance of Programmable Logic Controllers (PLCs) cannot be overstated. To educate and inspire college students, a webinar featuring expert discussions on PLC technology was conducted by Pulse Committee. This report summarizes the key insights and takeaways from the event. The banner Designed for the same and attendance of the seminar is shown below.



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Some snaps of the same are shown below.



This report provides a comprehensive overview of PLC highlighting its status, applications, challenges, and future prospects. As PLC continues to evolve its impact on society, business, and technology. Total 33 Students attended the seminar with good enthusiasm.

Report On Seminar of Cyber Security

Date- 21/10/2023

The department of E&TC has successfully conducted offline Seminar on 'Cyber Security'. The following are the details of the same.

Date: - 21/10/2023 Venue:- BE classroom

Name of the resource Person: - Mr. Shreyas Karande.

Total No of students attended the seminar -44 (BE, TE and SE EXTC)

Name of the staff Co-coordinators:- Prof. S. N. Pandharkame & Prof. T.L. Iltapawar.

The resource person for this workshop was, 'Mr. Shreyas Karande' working as delivery specialist, IBM, Pune. He had explained about cyber security, OTP cracking, Phishing, and ethical hacking tools like SQL system, hacker one and Borp Suite.

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Some snaps of the same are shown below.



The seminar was very knowledgeable, interactive and informative. Total 55 Students and 03 faculties attended the workshop with good enthusiasm.

Report of 'FRESHER'S PARTY'

Date- 21/10/2023

The department of E&TC has organized 'FRESHER'S PARTY '. The following are the details of the same.

Date: 21/10/2023

Time: -03:00 PM -05:00 PM

Venue: Auditorium (EXTC)

Total No of students attended: -(FE, SE, BE and TE EXTC)

Name of the staff Co-coordinators:- Prof. S. N. Pandharkame.

The "Fresher's Party Celebration" is an annual event held at educational institutions worldwide, aimed at welcoming new students into the vibrant and diverse community. This report provides an overview of the 2023 Fresher's Party held at the EXTC department, showcasing the essence of the event, its significance, and the myriad experiences that unfolded during this evening of beginnings.

The report delves into the planning and organization of the event, highlighting the dedicated efforts of the student committee responsible for its execution. It discusses the event's theme, decor, and the numerous engaging activities and games that were a part of the celebration.

This poster made for as a inviting purpose to the freshers and other students of department



Here are some pics of this events



TE EXTC Students managed this event, this was a theme party based on bollywood glam, all students and faculty members dressed up and prepared for the same. party venue was decorated by TE students on the Bollywood style theme. Senior students welcomed all the First year students and introduced them to the department and faculty members.

All students and Faculty members played lots of games with the FE students to make them feel comfortable and get involved in the party confidently. There was a theme based ramp walk arranged for all so everyone participated in that, all students danced together and enjoyed the party and the refreshments as well. At the end senior students declared miss fresher and mr. fresher for giving this event a cheerful atmosphere.

Report of Aptitude Test

Date- 27/10/2023

The department of E&TC has successfully conducted online 'Aptitude test'. The following are the details of the same. Date: 27/10/2023 Time: -12:00 PM Venue:-SE & TE classroom (EXTC) Students attended: SE and TE EXTC Name of the staff Co-coordinators:- Prof. S. N. Pandharkame

The Aptitude Test Competition held in Extc Department was highly engaging and intellectually stimulating event that took place on 27 Oct organised by pulsed committee. This Competition aimed to promote Basic knowledge critical thinking and teamwork among the students the event witnessed enthusiastic participation from the students.

Some snaps of the same are shown below.



The Aptitude test competition was resounding success bringing together students from SE and TE to celebrate their passion for electronics and telecommunication engineering .The

event not only challenged participant's Basic knowledge but also encouraged teamwork and camaraderie. It played a crucial role in promoting a culture of continuous learning and academic excellence with the department.

Report of 'Al Unleashed: Navigating Careers, Innovations and Real-World Application'

Date- 03/02/2024

The following are the details of the same. Date: 03/02/2024 Time:- 10:00 am to 12:00 PM Venue:-Seminar Hall Speaker of the session :- Mr. Venugopal Adep Total No of students attended :- hybrid mode 34 offline and 20 online Name of the staff Co-coordinators:- Prof. S. N. Pandharkame

On 03/02/2024 the seminar on " **AI Unleashed : Navigating Careers, Innovations, and Real-World Application**" was conducted by Mr Venugopal Adep who is currently General Manager, Lead Data Scientist in Reliance Jio. In the session various points were cleared related to AI. Student learns many AI tools which were useful in engineer student life.

In Webinar following points were covered,

Competitive Programming

AI and Data Science jobs

- AI (Artificial Intelligence) Types
- Generative AI Applications
- Live Demos on AI

Poster of event :-



Some snaps of the same are shown below.



Attendance sheet AI Unleashed : Navigating Careers, Innovation, 2 eral-world Application.			DATE:	03 02 2024			
R.NO.	/ NAME OF STUDENTS	CLASS SE/TE/BE	Sign	SR.NO	NAME OF STUDENTS	CLASS SE/TE/BE	Sign
1	Aditva Ravindra Shinde	EXTL TE	Finde	1	Kirti Baburgo Naik.	SE ENTO	that
2	Santka Ankush Ambre	EXIC TE	ante	2	Anjali kumar More	BE ENTC	Brook.
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4	Rufile Dhondu Mali	FXTC SE	-Bratz	4	Vaibbaui Vijay Gorivale.	SE ENTE	Manuale
5	Omkas Chandsahas Deshmukh	EXTESE	Breshmith	5	Riya Vikas Udeg.	SE ENTO	atulda
6	Omkar Maruti Desai	EXTC SE	- Anni	6	Anushka Rajesh Kadam	SE ENTO	Aladam
7	Saurabh Sushil Harrelt	EXTC SE	Spleinert	7	Amita Monohaz Dhadu	SE ENTL	Made
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11	Ankit Ragburath Dadil	EXTE BE	Gerle	11			
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16	Vanshita Sunil Kadam	EXTC B.E	V.S. Kadam	16			
17	Gauss Zantoll Kangutkar	EXIC BE	Gani !!	17			
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25	SONIKO DHONONAY NAYAKAL	EXTC SE	1	25	3		
	Prof. Pandharkame Subod N workshop co-ordinator Pulse Co-Ordinator	Dr. Khodekar Sachin F HOD, EXTC			Prof. Pandharkame Subod N workshop co-ordinator Pulse Co-Ordinator	Dr. Khedekar Sachin R HODrEXTC	

The seminar was very knowledgeable, interactive and informative. Total 54 Students and 03

Faculties attended the Seminar with good enthusiasm.

Report of seminar on 'Financial Education'

Date- 9/02/2024

The department of E&TC has successfully conducted a seminar on Financial Education. The following are the details of the same.

Date: 09/02/2024

Time: -11:00 AM

Venue:-BE classroom (EXTC)

Total No of students attended the webinar -51 (B.E.T.E and S.E EXTC)

Name of the staff Co-coordinators:- Prof. S. N. Pandharkame,

Name of the Resource Person:-Prof.P.L.Warak

The Seminar on Financial Education was organized with the aim of enhancing

financial literacy and promoting a better understanding of various financial concepts among participants. The event provided a platform for experts in the field to share valuable insights and practical knowledge to empower individuals to make informed financial decisions. To educate and inspire college students, a seminar on Financial Education was conducted by Pulse Committee. This report summarizes the key insights and takeaways from the event. The banner Designed for the same and attendance of the seminar is shown below.



DATE:	OG 012024	CLASS SE/TE/BE	Sign
1	Mahite Sayali Santash	SE	State.
2	Bolade Sanika Anant	SE	ABduck
3	Jathan Madhura Magur	GE	Tehura
4	Kirti Baburao Naik	SE	Kraik
5	Saloni Pradio Nagartar	CF	Thelly
6	Seva sanjay chalke	SE	Rachin
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workshop co-ordinator Pulse Co-Ordinator

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1	Aufon Ismail Mahaldae	Tif	-life-
2	Yash Santosh Ghag	T.F.	Dala
3	Swapril anant GhaneRax	T.F.	Jaharaling
4	Piyush Davin Shalke	TAF	P.P. Fhalke
5	Manish Manei Shinde	TE	Delinett
6	Muskan Bandarkar	T.E	Hugen .
7	Prashant Jangam	TF	12/2-
8	Adilya Uhinde	TE	Alindo
9	Zud Angabi	TE	Quiel
10	Handulay Jaha	BE	All
11	Yasar Boodade	Tit	theme 1
12	Avan Otakie	Tip	athers
13	Rusik Dhondy Mali	S.F	Fials
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16	Soundah Novinat	S.F	Shihk.
17	Ninad Nitin Talderkar	S-E	Juliate .
18	sochil Ashale Rohate	s.E	Bahate
19	Nainesh Rajesh Benere	6.F	Reinel
20	Ombas Chandrahas Destructh	SE	andoutt
21	Onker Maryti Desai	5.F.	and
22	Varun Santesh Mane	B.E	aller
23	Riva Vikas Uder	SE	Beday
24	Vaibhaci V. Gonvall	SE	Bonivelle
25	Anushka Kadom	SE	Abodam
26	Amita Dhadve	SE	ADate
	Prol. Pankharkame Subod N workshop co-ordinator Public Co-Ordinator	Dr. Kbedekar Sachin R HOD, EXTC	

Some snaps of the same are shown below.



The Seminar on Financial Education successfully achieved its objectives by providing participants with valuable insights, practical skills, and a supportive community to enhance their financial literacy. The event contributed to building a foundation for sound financial decision-making and promoting economic well-being at both individual and community levels.

Report of seminar on 'Stress Buster'

Date- 21/02/2024

The department of E&TC has successfully conducted a seminar on Stress Buster. The following are the details of the same.

Date: 21/02/2024

Time: -11:00 to 12:00 AM

Venue:-BE classroom (EXTC)

Total No of students attended the webinar -57 (B.E.T.E and S.E EXTC)

Name of the staff Co-coordinators:- Prof. S. N. Pandharkame, Name of the Resource Person:-MR.Satish Jadhav

In today's fast-paced world, stress has become a prevalent issue affecting individuals across various demographics. Stress can have detrimental effects on mental and physical health, productivity, and overall well-being. Therefore, it is crucial to implement effective strategies to manage and alleviate stress. This report aims to explore the significance of stress busters, their types, and their effectiveness in combating stress. It was conducted by Pulse Committee. This report summarizes the key insights and takeaways from the event. The banner Designed for the same and attendance of the seminar is shown below.



DATE:			
SR.NO.	NAME OF STUDENTS	CLASS SE/TE/BE	Sign
1	Bagdade Yasan Shaikh	TE	ange
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3	Rahul Rojendra Samone	R.C.	The
4	Saurabh Sambhaji Dalvi	B.E	Soli
5	Akshay Anaut Ambekar	8.E	Here
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8	Sahit Vilay Lambe	TE	KIAN
9	Hawdulay. Joha.	B.E	Haven
10	Muskan Randarkan	TIE	Define
11	Yrushabh B. Shirke	S.E.	Ahile
12	Sahil Rohote	S.G.	Rahate
13	Rutily. D. Mali	SIE	Bach
14	Adityo . P. Shinde	TIE	Figo
15	Ayan G. Chokle	TE	ADhokle
16	Pivush Provin Phalke.	T.E	P.P. Phalke.
17	Keshav G. Prabhu	T.E.	Jable
18	Gauri Jitendra Yerupkay	T.E	Hernia
19	Sanîka Ankush Ambre	, T.E	Ambre .
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DATE:	21/02/24		
	NAME OF STUDENTS	CLASS SE/TE/BE	Sign
1	Chile Janhavi Gadip	GE	ALLY.
2	Ayushi Arhok Rhindy	SE	Alvinde
3	Achal Deepalk Shelou	SE	de la
4	Amito Manchae Ohadve	SE	Dark
5	Saloni Pradip Nagarkat	sE	Wall
6	seva Sanjay chalke	SE	Hullke.
1	Sayali Santosh Mohite	SE	Shite
8	Sanika Anant Bolode	SE	SABolade
9	Riya Vikas Udeg	SE	Rudy
10	Vaibhavi Vijay Gorivale	SE	Aminde
11	Rudali Rojendra Joshi	BE	Rotte
12	Mansi Mangesh Telange	BE	How
13	Kiran Prabrakar Gotal	BE	At
14	Mayun Nitin Patil	BE	maund
15	Anjali kumar More	BE	Book.
16	Prajakta Nagesh Chavan	BE	Phavan
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18	Siddhi Sachin Patil	BE	(4)
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25	Vishal P. Benake.	B.E	NP. Renake
	Samabh Sushil Naubrat	s€	Bitherp
	Pall	M.	
	Prof. Pandharkame Subod N	Dr. Khedekar Sachin R	
	workshop co-ordinator	HOP, EXTC	
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Some snaps of the same are shown below.



The Seminar on stress buster successfully achieved its objectives by providing participants with valuable insights, practical skills, and a supportive community to enhance their financial literacy. The event contributed to building a foundation for sound financial decision-making and promoting economic well-being at both individual and community levels.

Report of seminar on 'Startup and Entrepreneurship'

Date- 20/03/2024

The department of E&TC has successfully conducted a seminar on startup and entrepreneurship. The following are the details of the same.

Date: 20/03/2024

Time: -11:00 AM

Venue:-BE classroom (EXTC)

Total No of students attended the webinar - 50 (B.E.T.E and S.E EXTC)

Name of the staff Co-coordinators:- Prof. S. N. Pandharkame,

Name of the Resource Person:- Mr. Harshal Patil

The Seminar on startup and entrepreneurship was organized to explore the

opportunities, challenges, and best practices in fostering a thriving startup ecosystem. Held on 20/03/24, the seminar brought together expert to share insights, experiences, and strategies for nurturing innovation and promoting entrepreneurial venture. To educate and inspire college students, a seminar on startup and entrepreneurship was conducted by Pulse Committee. This report summarizes the key insights and takeaways from the event. The banner Designed for the same and attendance of the seminar is shown below.



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SR.NO.	NAME OF STUDENTS Mohite Sayali Santosh	CLASS SE/TE/BE SE	Shit.
2	Bolade Sanika Anont	SE	SABdade
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4	Naibhavi Vijay Gorivale	SE	Rildo
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15	Sanika Bureumberdkar	BE	Agnilly
16	Maunmayi Santesh Bhosale.	GE	Schurch
17	Anjali' kuman Mone	BE	And.
18	Kirti Baburao Naik	SE	Thait
19	Madhura Mayur Jathar.	SE	And.
20	Amita Manchae Dhadve	SE	Drady
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22	Mansi Mangesh Telange	BE	(duudi)
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25	Sauraht Sambhaji Dalbi	BE	625
25	Prof. Pantarkum Subod N	Dr. Khydekar Sachin F	

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SR.NO.	NAME OF STUDENTS	CLASS SE/TE/BE	Sign
1	Gautan Shival Choudhary	BE	Gu
2	Rahul Rajendra Bamane	BE	law
3	Tejas Rrokash Ambre	BE	The
4	Ayfon Ismail Mohaldar	T£	file
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6	Vishal Arasharam Benake	ß.E	V.P.Bonake
7	Sahil Sudhakat Surve	B.E.	Stuff
8	Piyush Plavin Phalke,	T·E	Lapphalke.
9	Mouli Vilas Kadam	B.E	Will !
10	Yash Santash Ghag	7.E.	An.
11	Prashant Rajan Jangam	TE	Y
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	Prof. Pantharkame Subod N	Dr. Khedekar Sachin R HOD, EXTC	
	Pulse Co-Ordinator		

construct co-ordinator Pulse Co-Ordinator

Some snaps of the same are shown below.



Report of seminar on 'Disaster Management'

Date- 21/03/2024

The department of E&TC has successfully conducted a free seminar on Disaster Management. The following are the details of the same.

Date: 21/03/2024 Time: -10:00 AM Venue:-BE classroom (EXTC) Total No of students attended the webinar -42 (B.E.T.E and S.E EXTC) Name of the staff Co-coordinators:- Prof. S. N. Pandharkame,

Name of the Resource Person:-Dr.Y.R.Kulkarni
The Seminar on Disaster Management was organized with the aim of addressing the increasingly urgent need for comprehensive strategies to mitigate, prepare for, respond to, and recover from disaster. The seminar brought together expert. To educate and inspire college students, a seminar on Disaster Management was conducted by Pulse Committee. This report summarizes the key insights and takeaways from the event. The banner Designed for the same and attendance of the seminar is shown below.



DATE:			
SR.NO.	NAME OF STUDENTS	CLASS SE/TE/BE	Sign
1	Seva Sanjay Chalke	SE	Sturke-
2	Salooi Pradip Nagarkar	SE	ubally
3	Anughka Rajesh Kadam	SE	Aladam
4	Amito Manohare Dhadue	SE	Allowe
5	Sayali Santosh Mohite	SE	S.Lit.
6	Gauri Jitendra Yerunkai	TE	gerentas:
7	Sanika Dhananjay Nayakol	SE	Tagend.
8	Vaibhavi Vijay Gorivale.	SE	Geoducile
9	Riya vikay Udeq	SE	Audeg.
10	Girija Santosh Kangutkar	BE	(Ceres
11	Gowi Santash Kangutkar	B.E	haut
12	Sonika Burramhadkar	BE	Finiling
13	Kiran Prabhakar Gotal	BE	art
14	Siddhi Sachin Pati	BE	(Fort
15	Mayuri Nilin Patil	BE	maung
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17	Anjali Kumar More	BE	Brook.
18	Madhusa Mayur Jathar	SE	NETT.
19	Kisti Baburao Naik	SE	Knalls
20	Chinmayee Arun Trigowale	BE	Jan:
21	Mansi Mansesh Telapse	BE	(diguisi
22	Rudali Rajondra Joshi	BE	Pott
23	Vonshite Sunit Kadam	BE	V. s. Koolar
24	Marunmayi S. Bhosale	ßE	Black
25	Sawabh Sambhaji Dabi	BE	Seli
	Prof. Pandharisame Subod N	Dr. Khedekar Sachin R HOD, EXTC	

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DATE:			Sign
SR.NO.	NAME OF STUDENTS	CLASS SE/TE/BE	Paul
1	Rahul Rajeudra bamane	BE	Ting
2	Gautamsheved chardbary	BE	Caugay-
3	amber Rojest more	BE	Good
4	Tejas Prakasch Ambre	8E	Ambre.
5	Vishal Parasharam Benake	8 E	V.P.Bonake
6	Ayfan Ismail Mahaldur	ΤĒ	life
7	Zaid Naeem Ansabi	TE	Quit
8	Mauli Vilas Kadam	B.E	100
9	Swapnil Anant Ghanekar	ATE	Schaneto
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Some snaps of the same are shown below.



The Seminar on Disaster Management successfully achieved its objectives by providing participants with valuable insights, practical skills, and a supportive community. The Seminar on Disaster Management provided a valuable platform for knowledge sharing, networking, and collaboration among stakeholders committed to building more resilient and sustainable communities.

Report of seminar on 'Gender Sensitization'

Date- 22/03/2024

The department of E&TC has successfully conducted a seminar on Gender Sensitization. The following are the details of the same.

Date: 22/03/2024 Time: -11:00 AM Venue:-BE classroom (EXTC)

Total No of students attended the webinar -28 (B.E., T.E and S.E EXTC)

Name of the staff Co-coordinators:- Prof. S. N. Pandharkame, Name of the Resource Person:- Prof.V.S.Kolge

The Seminar on Gender Sensitization was organized with the aim raising awareness of gender equality concerns and changing people's attitudes and behaviors towards other genders and oneself. The event provided a platform for raising awareness of gender equality concerns and changing people's attitudes and behaviors towards other genders and oneself. To educate and promote awareness between college girls students, a seminar on Gender Sensitization was conducted by Pulse Committee. This report summarizes the key insights and takeaways from the event. The banner Designed for the same.



The Seminar on Gender Sensitization successfully achieved its objectives by providing participants by examining people's personal attitudes, beliefs and questioning the 'realities' they thought they know. The event contributed to building a foundation on person, regardless of their gender identity deserves respect and equal opportunities.

Some snaps of the same are shown below.



Report on Industrial Visit to Pethe Brakes Motors Pvt. Ltd.

Date-22/02/2024

The department of E&TC has successfully conducted an Industrial visit to Pethe Brakes Motors Pvt. Ltd. The following are the details of the same.

Venue:- Pethe Brake Motors Pvt. Ltd. (Guhagar)

Total No of students attended the webinar - 18 (SEEXTC)

Name of the staff Co-ordinator :- Prof. S. N. Pandharkame

The Industrial visit at Pethe Brake Motors Pvt. Ltd. (Guhagar) was highly engaging and intellectually stimulating event that took place on 22 Feb organized by EXTC Department.

Pethe Brakes & Motors is a renowned company in the field of manufacturing and supplying industrial brakes and motors. With a strong focus on quality, innovation, and customer satisfaction, the company has established itself as a leader in the industry.

Followings are the products

Brakes: Pethe Brakes & Motors offers a wide range of industrial brakes, including electromagnetic brakes, hydraulic brakes, pneumatic brakes, and spring-applied brakes. These brakes are designed to provide reliable stopping and holding solutions for various industrial applications.

Motors: The company also manufactures and supplies a variety of motors, such as AC motors, DC motors, servo motors, and customized motors tailored to specific customer requirements.



Process of Brake Motors :-

The process of making brake motors involves several steps:

1. Design and Engineering: This phase involves designing the motor to meet specific requirements such as power output, torque, speed, and brake specifications.

2. Component Manufacturing: Components like rotor, stator, brake assembly, bearings, shafts, and housing are manufactured using various techniques such as

casting, machining, forging, and stamping.

3. Assembly: Workers assemble the components according to the motor design. This includes fitting the rotor, stator, bearings, brake assembly, shafts, and other parts together.

4. Winding: Electric coils are wound onto the stator to create the electromagnetic field necessary for motor operation.

5. Brake Installation: The brake mechanism is installed, typically consisting of an electromagnetic brake that engages when the power is cut off to hold the motor shaft in place.

6. Testing: Each motor undergoes rigorous testing to ensure it meets performance, efficiency, and safety standards. This includes functional testing of the motor and brake system under various conditions.

7. Quality Control: Inspections are conducted throughout the manufacturing process to maintain quality standards and identify any defects or issues.

8. Packaging and Shipping: Once the motor passes all tests and inspections, it is packaged securely and shipped to customers or distribution centers.

Throughout these steps, adherence to industry standards and regulations is crucial to ensure the safety and reliability of the brake motors.



Some photos of same are shown below,



The industrial visit to Pethe Brake Motors was an enlightening experience, providing valuable insights into the cable manufacturing industry. We all were impressed by the company's commitment to quality, safety, and environmental responsibility.

Report on 'IndustrialVisit'

Date-18/10/2023

The department of E&TC has successfully conducted an 'Industrial visit'. The following are the details of the same.

Venue:-Associated cables pvt.ltd.(Kherdi)

Total No of students attended the webinar -33 (BE and TE EXTC) Name of the staff Co-coordinators:- Prof. S. N. Pandharkame

The Industrial visit at Associated cables pvt. ltd. in Kherdi (Chiplun) was highly engaging and intellectually stimulating event that took place on 17 Oct organized by EXTC Department. This Industrial visit aimed to gain the practical insights into the operations and processes of your esteemed company and to better understand the manufacturing and productions of cables.



Process of making cables:-1) Firstly the raw material (copper) was taken to make them thin by reducing the diameter of the wire.2)Then this thin copper wire was pass through several machines to cut it into 7 thin wires of copper.3)This 7 thin

wires are brought together to form a thick wire because it will be good for insulation(conductivity).4)Then insulation process take place the copper wire will be coated with XLPE(type of material for coating).5)Cabling process in which multiple insulated strands are twisted to form a cables core.6) Jacketing process in this process a jacket or coat is added to the cable.7)Shielding process in which the foil aluminium is coated for protect against electromagnetic to interference.8)Testing process this is the process in testing of wire is done for high resistivity and at last the tested wire is packed into the wooden case and delivered to the customer.

Some photos of same are shown below,



The industrial visit to Associated Cables was an enlightening experience, providing valuable insights into the cable manufacturing industry. We all were impressed by the company's commitment to quality, safety, and environmental responsibility.

Report of Industrial Visit to Washishti Milk & Milk Products Pvt. Ltd

Date-17/10/2023

The department of E&TC has successfully organised an "Industrial visit'.

The following are the details of the same.

Date: 17/10/2023

Time: -2.30 to 4.00 PM

Company name: Washishti Milk & Milk Products Pvt. Ltd.

Total No of students present: -33 (BE and TE EXTC)

Name of the staff Co-coordinators:- Prof. S. N. Pandharkame, Prof.V.S.Kolge

A complete report on industrial visit organized by Gharda Institute of Technology, for the students of Electronics and Telecommunication Engineering [BE] in order to get the visual knowledge about "advanced technology used in manufacture of Milk."

The visit was organized by HOD of EXTC engineering branch Prof. S. N. Pandharkame and Prof. V. S. Kolge were the co-coordinators Faculty for the Industrial Visit.

Washishti Milk And Milk Products Private Limited is a Private incorporated on 29 September 2021. It is classified as Non-govt Company and is registered at Registrar of Companies, Pune. Its authorized share capital is Rs. 20,000,000 and its paid up capital is Rs. 500,000. It is involved in Manufacture of dairy product [production of raw milk is classified in class 0121] Washishti Milk And Milk Products Private Limited's Annual General Meeting (AGM) was last held on N/A and as per records from Ministry of Corporate Affairs (MCA), its balance sheet was last filed on 31 March 2022. Washishti Milk And Milk Products Private Limited's Corporate Identification Number is (CIN) U15200PN2021PTC204723 and its registration number is 204723. Its Email address is pujarote14@gmail.com and its registered address is 1777, DATTAWADI - CHIPLUN Ratnagiri MH 415604 IN. GROUP OBSERVATION This Industrial visit is very helpful in our future practical life & bring a positive change in our thinking & practical behavior regarding Education & specializing our technical skills. Got practical knowledge about the technology of machines used for making milk and milk products. Got knowledge about how milk products are made in huge amounts. processing of Milk: Milk is normally processed before selling to the consumer. Most milk goes through pasteurization, a process by which milk is heated to 71.7oC for 15-25 seconds and the cooled rapidly to 3oC. This kills 99.9% of the bacteria present in the milk The dairy industry processes raw milk into an array of products including butter, cheese, cream, yogurt, ghee, condensed milk, dried milk, ice cream, etc. and produces various by-products including buttermilk, whey, ghee, and skim milk. Equipments used in dairy industries: 1. Pasteurizers 2. Homogenizers 3. Milk tanks 4. Cream Separator 5. Dairy tractor 6. Milk Processing Plant 7. Milk Storage Tank 8. Milking Machine 9. Bulk Milk Cooler 10. Chaff Cutter 11. Heat exchangers 12. Ice cream makers 13. Khoya Making Machine 14. Milk Can 15. Small Scale Dairy Processing Machines 16. Separator.

Certificate of the industrial visit is shown below.

Washishti Milk & Milk Products Pvt. Ltd. Date -17/10/2023 To WHOM So Ever It May Concern This is to certify that students of Gharda Institute of Technology, Lavel from Electronics and Telecommunication Engineering, has visited Washishti Milk & Milk Products Pvt. Ltd., Chiplun on 17th October 2023. Total number of students: 33 Thanks & Regards Washishti Milk & Milk Products Pvt. Ltd

Snap of the industrial visit is shown below.



Attendance of students and staff is shown below.

GIT GAUGE FORMATEN FORMA				
Sr.		Name Of Student	CIASS	SIGN
1	AMBRE SAT	NIKA ANKUSH ANUSHKA	Third Year	alastas-
2	ANSARI MC	HAMMAD ZAID MOHAMMAD	Third Year	Quid
3	BAGDADE	YASAR SHAIKIIHASAN SHABIRA	Third Year	(and
4		DHIRAJKUMAR KIRAN SAVITA	Third Year	(series
5		YAN GULZAR GAZALA	Third Year	Altorithe
6		H SANTOSH SALONI	Third Year	Charles -
7		SWAPNIL ANANT ARCHANA	Third Year	Zstorakre
8		HSIN HANIF SHAKILA	Third Year	AULUNDE
9		CAR FIDYAN USMAN REHANA	Third Year	Formation
10	the loss of the second s	HILAS PRAJAKTA	Third Year	-tipte
11		R AYFAN ISMAIL RUKSANA	Third Year	show
12	PHALKE PI	YUSH PRAVIN SUSHMA	Third Year	P.P.Phalke
13		ESHAV GOVIND SUJATA	Third Year	John -
14	YERUNKA	R GAURI JITENDRA SEEMA	Third Year	clouds
15		JAS PRAKASH PRATIDNYA	Final Year	(Atmine
16	BAMANE P	AHUL RAJENDRA RAJESHRI	Final Year	Kannet
17	BENAKE V	ISHAL PARASHARAM RANJANA	Final Year	Ownalt
18	BHOSALE	MRUNMAYI SANTOSH SHITAL	Final Year	-pushensle
19	CHAVANE	RAJAKTA NAGESH NIKITA	Final Year	chaves
20	GOTAL KI	RAN PRABHAKAR PRIYANKA	Final Year	Get-
21	JOSHI RUD	ALI RAJENDRA RAJASHRI	Final Year	- TING
22	KADAM V	ANSHITA SUNIL SNEHAL	Final Year	V.S. Kadam
23	KANGUTK	AR GAURI SANTOSH SUPRIYA	Final Year	Gauge
24		AR GIRUA SANTOSH SUPRIYA	Final Year	Geistist.
25		ALI KUMAR KAVITA	Final Year	Amos
26		KAR RAJESH SNEHAL	Final Year	Course.
27		IAS HEMCHANDRA SNEHA	Final Year	Tralese
28		YURI NITIN SEEMA	Final Year	Maning
29	SHAHA ME	ZET ATUL ARCHANA	Final Year	Seck
30		MANSI MANGESH MANJUSHA	Final Year	CAL
31		AKSHAY ANANT	Final Year	AKonshy .
32		ILIND MUNOSHAR	Final Year	mm.chaulue
33		KAR SHUBAM	Final Year	SIT Sampleton
34		OLGE VARADA SACHIN	STAFF	Idaa
35		ANDHARKAME SUBODH NARAYAN	STAFF	Capelle

We are thankful for all our faculties for organizing such an Informative event for us in crucial for development of our practical skills regarding files making & other activities. We got the knowledge on different types of machines used in processing of milk and had an opportunity to research on it. We hope to get more chances further to have such an informative and wonderful experiences of visiting different industries.

Report on Industrial Visit to Dr Balasaheb Sawant kokan Krishi Vidyapeeth, Dapoli

Date- 04/04/2024

The department of E&TC has successfully visited a Industrial Visit to Dr. Balasaheb Sawant Kokan Krishi Vidyapeeth, Dapoli.

The following are the details of the same.

Total No of students attended the industrial visit - 35 (B.E,T.E and S.E EXTC)

Name of the staff Co-coordinators:- S. N. Pandharkame and T.L. Iltapawar The industrial visit to Dr. Balasaheb Sawant Kokan Krishi Vidyapeeth, Dapoli, was organized to provide students with practical insights into agricultural research, innovation, and education. Held on [04/04/24], the visit aimed to supplement theoretical knowledge with hands-on experience and expose participants to cuttingedge agricultural practices. Dr. Balasaheb Sawant Kokan Krishi Vidyapeeth, located in the picturesque town of Dapoli in Maharashtra, is a renowned agricultural university dedicated to the development of agriculture and allied sciences in the Konkan region.



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Certificate of the same is shown below.

DATE: 04/04/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that a student's of Gharda Institute of Technology, Lavel from Electronics and Telecommunication Engineering, has visited Dr. Balasaheb Sawant Kokan Krushi Vidyapeeth, Dapoli on 04th April 2024.

Total number of students: 35

Technical Officer to VICE CHANCELLOR Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth Dapoli, Dist. Ratnagiri, 415712.

Placement in 2023-24

	NAME	Company name	Package
SR.			
NO			
1	IngavaleChinmayeeArun	QSpiders	2.8L
2	KangutkarGauriSantosh	QSpiders	2.8L
3	DhadveMilindManohar	DynamicCranes	2.52L
4	PadteTejasHemchandra	DynamicCranes	2.52L
5	KalambateAbhinit	DynamicCranes	2.52L
6	BhosaleMrunmayi	DynamicCranes	2.52L
7	TelangeManasiMangesh	DynamicCranes	2.52L
8	MahindHarshalAnna	DynamicCranes	2.52L
9	MrunmayeeBhosale	SEILERGAREPA	1.68L
10	GauriKangutkar	SEILERGAREPA	1.68L
11	RudaliJoshi	SHREESADGURUKRUPAENTERPRISES	1.92L
12	AkshayAmbekar	SHREE SADGURUKRUPAENTERPRISES	1.92L
13	BamneRahul	SHREESADGURUKRUPAENTERPRISES	1.92L
14	AmbreTejas	SHREESADGURUKRUPAENTERPRISES	1.92L
15	DalviSaurabh	SHREESADGURUKRUPAENTERPRISES	1.92L
16	KadamVanshita	SHREE SADGURUKRUPAENTERPRISES	1.92L
17	KangutkarGauri	SHREESADGURUKRUPAENTERPRISES	1.92L
18	KangutkarGirija	SHREESADGURUKRUPAENTERPRISES	1.92L
19	PatilMayuri	SHREESADGURUKRUPAENTERPRISES	1.92L
20	MoreOmkar	SHREESADGURUKRUPAENTERPRISES	1.92L
21	TelangeMansi	SHREESADGURUKRUPAENTERPRISES	1.92L