VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

Departmental Report

(1st July 2023 to 30th October 2023)

Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

INDEX

Detailed Report

Various activities conducted in the Department of Electronics & Telecommunication, from 1st July 2023 to 30th October 2023 have been categorized as mentioned below.

Faculty Contribution

1. **Doctoral Dissertation**
- The Department of Electronics and Telecommunication Engineering proudly congratulates **Dr. (Mrs.) Ashwini Sawant** on the successful completion of her **Ph.D. at Sardar Patel Institute of Technology, Mumbai University, in October 2023**. Dr. Sawant's pioneering research in **Medical Image Enhancement and Abnormality Detection.**

- **Dr. Shobhit K. Khandare, Assistant Professor, EXTC,** achieved a significant milestone by completing his **Ph.D. degree** from **Sir Padampat Singhania University, Udaipur, Rajasthan in October 2023**. His dissertation, titled **Design and Analysis of Compact Monopole Antenna for Ultra-Wideband (UWB) Application with Tunable Band Notched Characteristics**.

2. Parent Teacher Meeting

The Parents-Teacher Meeting on **Saturday, 2nd September 2023**, at VESIT Auditorium was a successful event attended by approximately 150 parents of SE, TE, and BE students. **Dr. Nandini Ammanagi,** Assistant Professor, initiated the meeting with a welcome address, introducing faculty members, lab assistants, and support staff. **Dr. Chandan Singh Rawat**, HOD, presented on the institution's autonomy and examination reforms, addressing parents' queries with assistance from staff members and **Dr. Saylee Gharge**. Parents expressed satisfaction and gratitude, filling feedback forms.

3. Workshop/Courses conducted by faculty

Sr. No.	Conducted By	Course description	Organized by	Date
1	Mr. Vishal Bhat, Sr. Application Engineer, TETCOS LLP, Bangalore	Innovations in Networks using NetSim Online Demonstration: Academic & Standard Versions	Dr. Ranjan Bala Jain	19/08/2023
2	Dr. Chandan Singh Rawat HOD, EXTC, VESIT	LATEX typesetting technical documents.	Dr. Ranjan Bala Jain Professor, EXTC Mrs. Neeta Chavan, Asst. Prof., EXTC	1/08/2023 & 8/08/2023

LATEX Workshop, Speaker: Dr. C. S. Rawat

Innovations in Networks using NetSim Online Demonstration

4. Workshops/Courses attended by faculty

Sr. No.	Attended By	Course description	Organized by	Date
1	Dr. Ranjan Bala Jain	"Women Entrepreneurship Development Programme"	VIT Business School, Vellore Institute of Technology, Vellore, Tamil Nadu, India.Sponsored by NSTEDB, Department of Science and Technology, Ministry of Science and Technology, Government of India, New Delhi	3rd July 2023 to 21st July 2023
2	Dr. Ranjan Bala Jain	5 G Mobile Communication Certificate Course	Wireless Access Division, National Telecommunication Institute for policy Research, Innovations & Training Ghaziabad, UP. Govt of India DoT.	14th August - 21st Sep 2023
3	Dr.Ashwini Sawant	"Deep Learning"	NPTEL-AICTE, funded by MoE Govt. of India	July to October 23

4	Mrs.Manisha Joshi	VLSI to System design: Silicon-to-end application approach	All India Council for Technical Education (AICTE),STMicroelectronic & Arm Education	31/8/2023 to 4/8/2023
5	Mrs. Anuradha Jadiya	Exploring Dynamics of National Education Policy 2020 with reference to NAAC	Jointly organized by MKES Kandwala College Mumbai, & Research Foundation of India & RFI-CARE	15/11/2023 to 24/11/2023
6	Mrs. Jyoti Bagate	VLSI to System design: Silicon-to-end application approach	All India Council for Technical Education STMicroelectronics and Arm Education	31/8/2023 to 4/9/2023
7	Mrs. Jyoti Bagate	Assessment in Higher Education	MSFDA-TISS,Pune	28/08/2023 to 01/09/2023
8	Mr Gaurav Tawde	VLSI to System design: Silicon-to-end application approach	All India Council for Technical Education (AICTE), STMicroelectronics and Arm Education	31/8/2023 to 4/9/2023
9	Mr Gaurav Tawde	One week national level FDP on Cloud Infrastructure AWS	Smt Kashibai Navale college of Engineering, Pune in collaboration with Brainovision solutions India Pvt Ltd and AICTE	21/08/2023 to 25/08/2023

5. NPTEL Certification by faculty

Sr. No.	Name of Faculty	NPTEL Course description	Organized by	Period
1	Dr.Ashwini Sawant	"Deep Learning"	NPTEL-AICTE, funded by MoE Govt. of India	July to October 23

6. Research Paper Publications

Sr. No	Author List	Title of Paper	Date	National/ International	Journal/ Conference	Organized By	Publisher
1	Dr. Chandan Singh Rawat	Use of AI based cloud Certificate Authentication for Travel Concession	11-12 Jan 2023	International	Conference	4th International Conference on Mobile computing and sustainable Informatics 11-12 Jan 2023	Springer
2	Dr. Chandan Singh Rawat	Oil spill detection using Synthetic aperture RADAR	10-12 Nov 2022	International	Conference	IoT in social, Mobile, Analytics and cloud 10-12 Nov 2022	IEEE Xplore

3	Mr. Gaurav Tawde	Recognizing Handwritten Texts	March, 2023	International	Journal	--	IJERT
4	Mrs. Ashwini Sawant	IoT powered Smart Stroller	March 2023	International IEEE	Conference	--	IEEE Xplore
5	Dr. Rasika B. Naik	Virtual Lab on Oscillators	March 2023	International	Conference	20th International Conference on Remote Engineering and Virtual Instru.	REV2023 – in Thessaloniki, Greece
6	Mrs. Manisha Joshi	Using fractional derivative in learning algorithm for ANN: Application for salary prediction	November 2023	International IEEE	Conference	IEEE Bombay Section Signature Conference (IBSSC), Mumbai,	IEEE Xplore

7. Patent Publication

Sr. No	Patent Inventor Name	Patent Name	Patent Co-Inventor	Date	Patent Status
1	Dr.Rasika Naik	Copyright on 'pseudo-random bit generation using b-exponential chaotic map and precision matching for image encryption	–	07/06/2022	copyright registered

		application'			
2	Ranjan Bala Jain	A Reconfigurable Antenna For Cognitive Radio	Abhinav Dawale, Ayan Khan, Krishik Rao, Manas Singh	24/08/2023	filed
3	Dr Chandan Singh Rawat	Wireless Laptop Charger Cum Cooling Pad	Dr Chenthil Thapasimuthu Rajeswari, Rajdeep Shrivastava, Dr Vivek Jain, Dr Rajesh Kumar Nema, Dr Rajeev Yadav, Pooja Kumari	21/11/23	Registered
4	Dr Chandan Singh Raway	Wireless Networking Device For Controlling Home Appliance	Dr Rovin Tiwari, Lokesh Chadokar, Dr. Hiramani Shukla, Pragya Singh, Kuldeep Shukla	23/09/2023	Registered
5	Dr Chandan Singh Rawat	Cardiac Arrest Prediction Using Machine Learning Technique	Dr Surendra Bhosale, Mrs. Shital Patil, Mr. Parag Bhosale, Dr Achala Deshmukh, Dr Minal L. Keote	18/10/2023	Published

8. Faculty Interaction with outside world

Sr. No.	Name of Faculty	Role	Details of interaction	Organized by	Dates of interaction
1	Dr. Ranjan Bala Jain	Reviewer	IEEE World Conference on Applied Intelligence and Computing (AIC 2023)	Rajkiya Engineering College, Sonbhadra, India Ashoka Institute of Technology & Management, Varanasi, India Technically Sponsored by Soft Computing Research Society	July 29-30, 2023

2	Dr. Ranjan Bala Jain	Reviewer	In 66th Annual IETE Convention (AIC), on the theme "The Role of 5G in enabling Digital Transformation for Rural upliftment."	The Institution of Electronics & Telecommunication Engineers, Pune.	November 04-05, 2023
3	Dr. Ranjan Bala Jain	Reviewer	4th International Conference On Computational Intelligence (ICCI 2023)	Sardar Vallabhbhai National Institute of Technology, Surat, Sponsored by Soft Computing Research Society	November 04-05, 2023
4	Dr. Ranjan Bala Jain	Reviewer	1st DMIHER International Conference on Artificial Intelligence in Education and Industry 4.0	Datta Meghe College of Engineering Wardha, India	05th – 06th May 2024
5	Dr. Rasika Naik	Reviewer	2023 IEEE Pune Section International Conference	COEP Technical University, Pune	14-16 Dec 2023
6	Dr. Ashwini Sawant	Reviewer	SPRINGER Journal	International Journal of Computational Intelligence Systems	9th July, 2023

Students Achievements

1. Academic excellence

The EXTC department is excited to share the remarkable academic successes of **second-year, third-year,** and **final-year students,** achieving percentages of **70.15%, 89.21%,** and **94.12%,** respectively in even semester for academic year 2022-23.

Year	First Rank	Second Rank	Third Rank
SE	Shah Karan Girish Hetal (9.88)	Vaity Jatin Kiran (9.54)	Khan Mohammed Farhan Zafar Nusrat (9.5)
TE	Panchal Dhara Kamlesh (9.86)	Manjrekar Sakshi Sunil (9.86)	Sarang Shreyas Santosh (9.86)
BE	Nair Vinaya Vishwanathan (10)	Mishra Aayushi Ajay (9.53)	Chattopadhyay Ahona Dyutiman(9.5)
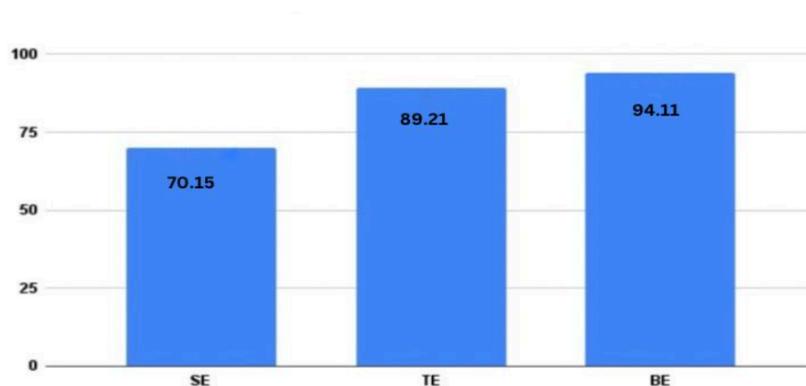
Result analysis, even semester, AY-2022-2023

2. Placement statistics

In the present era, campus placement continues to be a pivotal aspect for both students and educational institutions. Continuing this tradition, the ongoing academic year has witnessed significant achievements for students in the EXTC department during campus placements. Despite the ongoing recession, a total of 12 offers from renowned companies

such as Acumen Securities, Worley Engineering Pvt Ltd, Amazon, Network Marvel, Accenture ASE, Ernst & Young India, etc., have been secured just at the start of the odd sem. Details are as follows:

S. No	Student Name	Company name	Package (LPA)
1	Alrich Xavier Desouza	Acumen Securities	6
2	Pooja Ghadage	Acumen Securities	6
3	Ayushi Rajeshirke	Worley Engineering pvt ltd	5.15
4	Varun Bangad	Amazon	5.5
5	Ayush Kotkar	Network Marvel	7(4.5+2.5)
6	Vrundali Vikas Patil	Accenture ASE	4.5
7	Aditya Jayprakash Sharma	Accenture ASE	4.5
8	Yash Sanjay Chavan	Accenture ASE	4.5
9	Manashree Tendulkar	Ernst & Young India	6.37
10	Rajat Mhatre	Ernst & Young India	6.37
11	Anishka Bajpai	Ernst & Young India	6.37
12	Puja Mahankuda	Ernst & Young India	6.37
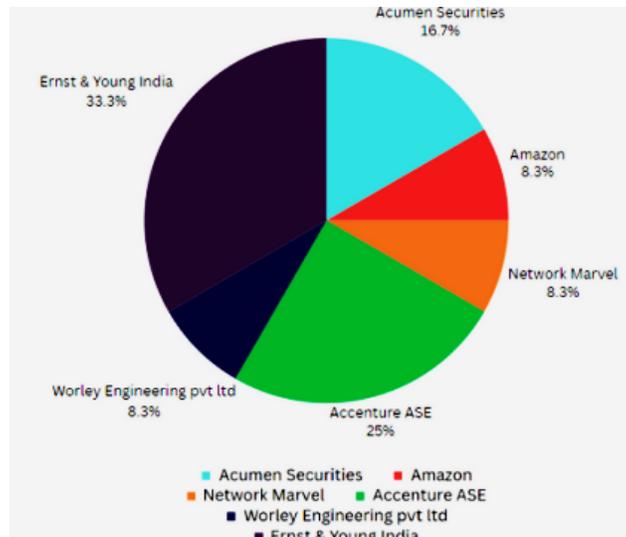
Placement statistics as on 30th Nov 2023

3.   Placement Activities

Sr. No	Date	Time	Topic	Resource Person	Class & No of students
1	02/08/2023	3:00pm to 5:00pm	Steering the Interviews	Prof. A. Nagananda	TE D14 A & B (47+ 46)
2	01/08/2023	3:00pm to 5:00pm	Eligibility, Employability and Resume Building	Prof. A. Nagananda	SE D9 A & B (53+42)
3	01/08/2023	9:00am to 11:00 am	Resume Writing, & Skill Set Analysis	Prof. A. Nagananda	TE D14 A (55)
4	26/07/2023	3:00pm to 5:00pm	Resume Writing, & Skill Set Analysis	Prof. A. Nagananda	TE D14 B (54)
5	24/07/2023	3:00pm to 5:00pm	Mini Project- A Stepping Stone	Prof. A. Nagananda	SE D9 A & B (57+49)
	Aptitude Training Course				
1	26/07/23	9:00 to 10:30am	Time & Work	Mr. Shobhit Khandare, Assistant Professor	D19A, B (8+10)
2	02/08/2023	9:00 to 10:30am	Calendar and Permutation & Combination	Mr. Shobhit Khandare, Assistant Professor	D19A, B (27+20)

3	09/08/2023	9:00 to 10:30am	Probability & Ages	Mr. Shobhit Khandare, Assistant Professor	D19A, B (29)
4	17/08/2023	9:00 to 10:30am	Train Distance & Time	Mr. Shobhit Khandare, Assistant Professor	D19A, B (16)
5	24/08/2023	9:00 to 10:30am	Percentage Profit & Clock	Mr. Shobhit Khandare, Assistant Professor	D19A, B (14)

session on steering the interview

session on Resume writing & skill set analysis

Session on Mini Project A Stepping Stone

session on Skill Set Analysis & Resume Writing

4. **Industrial Visit**

Sr. No.	Company Name	Company Location	Date	Duration
1	Doordarshan Kendra	Worli, Mumbai	14/09/2023	1 day

5. **Workshops/Seminars attended by students**

S. No.	Workshop Name	Organizer	Days	Date	No of students
1	UI/UX Workshop	IEEE-VESIT	2	12/09/23 - 13/09/23	20
2	Spotify Clone Workshop	ISTE-VESIT	9	27/11/12- 5/12/23	40
3	PCB Designing and Soldering Workshop	ISA-VESIT	1	19/08/2023	15
4	ChatGPT Clone Using Django	ISA-VESIT	1	17/09/2023	25
5	Fundamentals of Deep Learning Workshop	AI & DS Dept. VESIT,AI	1	19/08/2023	1

6. Students Internship

Sr. No.	Attended By	Course description	Company Name	Date from	Till Date
1	Rushikesh Sarak	Internship	DevCode	4-Jun22	10-Apr23
2	Puja Mahankuda	Internship	Phn Technology	6-Apr23	6-Jun23
3	Nikhil Jain	Internship	Internshala	8-Jun22	8-Aug22
4	Pranav Jha	Internship	B.E.S.T	8-Jun23	8-Jul23
5	Adwait Panadi	Internship	B.E.S.T	8-Jun23	8-Jul23
6	Neerav Sonje	Internship	B.E.S.T	8-Jun23	8-Jul23
7	Shweta Mane	Internship	B.E.S.T.	8-Jun23	8-Jul23
8	Arya Hirlekar	Internship	Bhabha Atomic Research Centre	22-May23	9-Jul23
9	Karan Girish Shah	Internship	Brihanmumbai Electric Supply and Transport(B.E.S.T)	8-Jun23	8-Jul23
10	Satyam Mishra	Internship	Equalifi Academy	1-Jun23	31-Dec23
11	Hritika Mulay	Internship	L&T defense	1-Jun23	7-Jul23
12	Gupta vineet bholanath	Internship	MARPU Foundation	2-Jun23	8-Jun23
13	Prachi Pramod Thombare	Internship	Nelco Limited	6-Jun23	7-Jul23
14	Anant Paranjape	Internship	Newel technologies	12-Jun23	12-Jul23
15	Aditya Nama	Internship	Nuclear Power Corporation of India Ltd.	6-Jun23	6-Jul23
16	Aditi Chakraborty	Internship	Reliance Industries Limited (RPMG IT)	6-May23	7-Apr23
17	Abhinav Verma	Internship	Saint Gobain Glass pvt. Ltd. Jhagadia	26-May23	26-Jun23
20	Anjali Gupta	Internship	VESIT	20-Jun23	20-Jun23
19	Mayuresh Pawar	Internship	VESIT	23-May23	8-Jul23

7.   Student paper publication

Sr. No.	Student Name	Title of the paper	Name of Organization	Date	Level
1	Aishvarya Birambole Isha Chavan Saakshi karkera Risa Samanta	Design and Development of Smart Pill Dispenser	Sardar Patel College of Engineering, Mumbai in association with SPIT, Mumbai, IEEE Bombay Sec		International
2	Aishvarya Birambole Isha Chavan Saakshi karkera Risa Samanta	Comparative Study of Machine Learning Algorithms for Prediction of Polycystic ovary syndrome	Sri Eshwar College of Engineering, Tamil Nadu		International
3	Ameya Dikshit Janhavi Bhutki Ahona Chattopadhyay Pratham Angre	Image to Text and Based Learning Aid for Children	IEEE 8th I2CT 2023		International
4	Abhishek Bhatia Avantika Shetty Nafees Akhter, Shweta Bhabal	IoT powered smart stroller	IEEE-ICACCS 2023		International
5	Yogesh Inamdar Sakshi Gupta Rushikesh Palekar Mihir Ranje	Blood Sugar Level detection and storage using Split Ring Resonator and Python	5th IEEE International Conference on Electrical, Computer and Communication Technologies 22-24 Feb2023		International
6	Gargi Khanvilkar Akshata Deshpande	A Review on Smart Mirror	International Journal of Innovative Research in		International

	Gunjan Surekha Sreya Dhamane		Science, Engineering and Technology (IJIRSET)		
7	Parth Rane Vinghesh Poojari Niranjan Vajjramusti Rohan Bhamre	A Review on Smart Waitor	2023 11th International Conference on Emerging Trends in Engineering & Technology Signal and information Processing (ICETET-SIP-23)		International

8. Skill Enhancement Lecture

Company Name	Name of the Speaker	Designation	Class & No of students	Date	Subject	Topic
CL Technologies Pvt Ltd	Mr. Vedant Prabhu	Software Application Developer	Final year 105	16/09/2023	Mobile Communication System	Android App Development
Google technologies	Mr. Dabeer Shaikh	Cloud Consultant	Final year 76	10/10/2023	Cloud Computing and Security	10000 feet cloud

SEL on Android App Development

SEL on 10000 feet cloud

9. Co-curricular activities

Sr. No.	Name Of The Event	Date of the event	Awards/ Participant	No of Students
1	FireScript	28 & 29 August 23	Participant	1
2	Web-a-Thon 2.0	12 September 23	Participant	12
3	Ascending The Clouds	7 October 23	Participant	5
4	Mumbai Move Workshop	22 October 23	Participant	5
5	Hidden Cipher	27 November 23	Participant	3
6	OMEN VALORANT CAMPUS QUEST	11-12 September,2023	Participant	52
7	Hack-A-Talk	11 September 2023	Participant	10
8	Ctrl + Alt + Debate	13 & 14 September 2023	Participant	6

10. Extracurricular activities

Sr. No.	Name of the Student	Name of The Event	Date
1	Harsh Shah	Darts(Boys)	3/8/2024 - 6/3/2024
2	Aniruddh Gharat		
3	Kaushal Patil		
4	Mital Gotmare	Darts(Girls)	3/8/2024 - 6/3/2024
5	Manasi Erande		
6	Mithili Latey		
7	Akshit Ramrane	Table Tennis(Boys)	3/8/2024 - 6/3/2024
8	Maithili Latey	Table Tennis(Girls)	3/8/2024 - 6/3/2024
9	Akshit Ramrane	Doubles Table Tennis(Boys)	3/8/2024 - 6/3/2024
10	Ayush Patil		
11	Maithili Latey	Doubles Table Tennis(Girls)	3/8/2024 - 6/3/2024
12	Arundhati Nair		
13	Kaustubh Worlikar	Carrom Singles(Boys)	3/8/2024 - 6/3/2024
14	Atharva Sarang		
15	Sahil Shiek		

16	Vaishnavi Chaudhari	Carrom Singles(Girls)	3/8/2024 - 6/3/2024
17	Arundhati Nair		
18	Akshata Agarwal		
19	Atharva Sarang	Carrom Mixed doubles	3/8/2024 - 6/3/2024
20	Sahil Shiek		
21	Kaustubh Worlikar		
22	Vaishnavi Chaudhari		
23	Arundhati Nair		
24	Akshata Agarwal		
25	Tushar Chandak	Chess (Boys)	3/8/2024 - 6/3/2024
26	Atharv Rangdale		
27	Nilesh Mhatre		
28	Maithili Latey	Chess(Girls)	3/8/2024 - 6/3/2024
29	Manasi erande		
30	Arundhati Nair		
31	Varad Chamale	Badminton(Boys)	3/8/2024 - 6/3/2024
32	Shambhavi	Badminton(Girls)	3/8/2024 - 6/3/2024
33	Arundhati Nair	Futsal(Girls)	3/8/2024 - 6/3/2024
34	Shravani		
35	Maithili Latey		
36	Akshata Agarwal		
37	Vaishnavi Chaudhari		
38	Mital Gotmare		
39	Gautam Singh	Cricket(Boys)	3/8/2024 - 6/3/2024
40	Deepak kokare		
41	Shahil Shaikh		
42	Dhruva Acharya		
43	Parth Gosavi		
44	Kaushal Patil		
45	Rajdeep Khaire	Darts(Boys)	3/8/2024 - 6/3/2024
46	Tanuj Bamane		
47	Akash		

48	Hritika Mulay	Darts(Girls)	3/8/2024 - 6/3/2024
49	Sakshi Ganjewar		
50	Aditi Boob		
51	Sudhanshu Karyakarte	Table Tennis(Boys)	3/8/2024 - 6/3/2024
52	Sudhanshu	Doubles Table Tennis(Boys)	3/8/2024 - 6/3/2024
53	Advait		
54	Hardik Konduskar	Carrom Singles(Boys)	3/8/2024 - 6/3/2024
55	Prathamesh Bhingarde		
56	Vedant Bhattad		
57	Unnati Ayalwar	Carrom Singles(Girls)	3/8/2024 - 6/3/2024
58	Hritika Mulay		
59	Sakshi Ganjewar		
60	Hardik Konduskar	Carrom Mixed doubles	3/8/2024 - 6/3/2024
61	Prathamesh Bhingarde		
62	Vedant Bhattad		
63	Unnati Ayalwar		
64	Hritika Mulay		
65	Sakshi Ganjewar		
66	Neerav Sonaje	Chess (Boys)	3/8/2024 - 6/3/2024
67	Anant Paranjpe		
68	Anup Chavan		
69	Sakshi Gawale	Chess(Girls)	3/8/2024 - 6/3/2024
70	Anoushka Menon		
71	Aditi Boob		
72	Chirag	Badminton(Boys)	3/8/2024 - 6/3/2024
73	Janhavee	Badminton(Girls)	3/8/2024 - 6/3/2024
74	Sakshi Ganjewar	Futsal(Girls)	3/8/2024 - 6/3/2024
75	Unnati Ayalwar		
76	Aditi Boob		
77	Hritika Mulay		
78	Sharvari		
79	Sakshi Gawale		

80	Rajdeep Khaire	Cricket(Boys)	3/8/2024 - 6/3/2024
81	Tanuj Bamane		
82	Vedant Bhattad		
83	Tanmay		
84	Kartikey Shukla		
85	Ashish		
86	Dhiraj		
87	Pranav		
88	Shivam datkhile	Darts(Boys)	3/8/2024 - 6/3/2024
89	harsh ranjan		
90	pradeesh reddy		
91	tanmayee	Darts(Girls)	3/8/2024 - 6/3/2024
92	anushka desai		
93	pooja ghadge		
94	harsh ranjan	Table Tennis(Boys)	3/8/2024 - 6/3/2024
95	Tanmayee	Table Tennis(Girls)	3/8/2024 - 6/3/2024
96	Aniket	Doubles Table Tennis(Boys)	3/8/2024 - 6/3/2024
97	Harsh		
98	Tanmayee	Doubles Table Tennis(Girls)	3/8/2024 - 6/3/2024
99	Anushka		
100	Sairaj	Carrom Singles(Boys)	3/8/2024 - 6/3/2024
101	Atharv Hedao		
102	Mishra		
103	Anushka	Carrom Singles(Girls)	3/8/2024 - 6/3/2024
104	Puja mahankuda		
105	Pooja ghadge		
106	Sairaj	Carrom Mixed doubles	3/8/2024 - 6/3/2024
107	Atharv Hedao		
108	Mishra		
109	Anushka		
110	Puja mahankuda		
111	Pooja ghadge		

112	Prasad kokate	Chess (Boys)	3/8/2024 - 6/3/2024
113	Varad Deshmukh		
114	Rakshak tapaswi		
115	Manpreat kaur	Chess(Girls)	3/8/2024 - 6/3/2024
116	Manjiri jadhav		
117	Radhika Damle		
118	harsh ranjan	Badminton(Boys)	3/8/2024 - 6/3/2024
119	Tanmayee	Badminton(Girls)	3/8/2024 - 6/3/2024
120	Tanmayee	Futsal(Girls)	3/8/2024 - 6/3/2024
121	Ayushi		
122	Bhoomi		
123	Manpreet		
124	Siddhesh gajare	Cricket(Boys)	3/8/2024 - 6/3/2024
125	Arya hirlekar		
126	Sairaj watkar		
127	Pratham patil		
128	Prathmesh tamse		
129	Yash bhor		
130	Aniket sangle		
131	Harsh ranjan		
132	Yogesh Iswalkar		

11. Tinkerer's Lab Activities

Sr. No.	Attended By	Course description	Resource Person	Date
1	Second Year	"Prototyping with Arduino Workshop	Mr. Mrugendra V.	09th and 10th Aug, 2023
2	Final Year	"Innovation as a Catalyst for Successful Entrepreneurship"	Mr. Nikunj Joshi	12th Aug-2023
3	Third & Final Year	Workshop on LATEX	Dr. Chandan Singh Rawat	1/08/2023 & 8/08/2023

<u>Annexure</u>

<u>Action plan & Action taken report</u>

S. No.	Concern	Action plan	Action Taken
1.	Academic Planning	Preparing departmental academic calendar for the even semester	1. Departmental academic calendar & project calendar is prepared and shared with all the faculty members. EXTC_academic calender_23-24_odd sem EXTC_Project calender_23-24_odd sem
2.	Academic results	1. Remedial assistance will be arranged for the students who will fail in re-exam and will appear in special exams. 2. Identification of slow learners & extra activities for students to improve results.	1. List of students appearing for special exams has been mailed to all faculty members & instructed to conduct remedial lectures for them and to maintain documentation for the same. 2. Slow learners are identified & extra activities were conducted for them. Sample Report.
3.	Departmental activity publicity & documentation	1. All the activities conducted by the department should be posted on college website & on social media platforms for publicity. 2. Reports of all the activities conducted should be prepared in standard format	1. Department posts all activities on college website & social media platforms like Twitter, Facebook, Instagram & YouTube. 2. A standard report format is given to all faculty members to be submitted to the Head

		and should be submitted to the Head of the department.	of the department & Data bank of the EXTC department.
4.	Research promotion activities	To conduct expert talks under research forum	Research forum organized a session on "Design and Implementation of Chaos-based Image Encryption and its Cryptanalysis" by Dr. Rasika Naik
5.	Research Publications	Increase the number and quality of research papers by arranging workshops.	1. Workshop on "Latex" by Dr. C. S. Rawat for proper formatting required for paper publication.
6.	Project Innovations, Industry Projects	1. To get projects from industry. 2. To improve the quality of projects by arranging project competitions and taking the feedback from EXTC alumni working in the industry.	1. Department has called EXTC alumni for the review of SE & TE mini projects and their feedback was taken to improve the quality of projects.
7.	Project Competition	1. To organize project competitions for the students. 2. To encourage students to participate in project competitions organized by other institutes.	1. Six Projects participated in Avishkar Competition & 3 were selected for the next round. 2. Two Projects got selected for SIH-2024 national level competition.
8.	Major/Minor Research Grant Proposals / Patent	Department faculty should file patents & apply for the research grants.	This semester 5 patents were registered by EXTC faculty members.

9.	Industrial Visits / Industry interaction	To arrange industrial visits for SE, TE & BE students.	1. One day industrial visit to Doordarshan kendra, Worli.
10.	Student Internship	To have industry-like experience & to Develop Better Professional Skills, the department should encourage students for industry internship during their semester breaks.	Department provides request letters & bonafide certificates to students for industry internship during semester break..
11.	Certification Courses	1. To organize certification courses in association with the industry. 2. To complete NPTEL certification course	Faculty opt for NPTEL courses to broaden their knowledge horizon when new subjects are allocated
12.	Placement activities /Competitive Exams/ Higher Studies/Entrepreneurship Initiatives	To make students industry ready by arranging various activities under GRIN:Get Ready For Industry by EXTC placement team.	Placement cell of department conducted various activities like online aptitude quiz, session on employability, eligibility, resume writing, skill set analysis, etc
13.	Orientation Programs	Conducting & participating in orientation programs for new subjects added to the curriculum on behalf of University of Mumbai.	All Faculty members attend the orientation programs for the new subjects
14.	Workshops/Short Term Training Programs/Faculty Development Programs for faculties	To conduct STTP, FDP & workshops for faculty training to update them in the field of technical education to introspect and learn techniques that can help prepare students for active and successful participants in a knowledge society.	All faculty members have attended FDP/STTP/Workshop.

15.	Participation in Workshops/Short Term Training Programs by the students	To teach students hands-on skills, the department should conduct & encourage students to take part in Workshops.	Department's Tinkerer's lab has arranged 3 workshops for the students.
16.	Alumni Interaction	To involve alumni for Placements, Industry engagements, Syllabus Reviews & Feedback	Alumni were invited for Mini project reviews, Convocation and are actively involved in the Department Advisory Board (DAB).
17.	Students participation in co-curricular & extracurricular activities	To bring social & intellectual skills, moral, cultural & ethical values, personality development, and character advancement in students, the department should encourage students to take part in various activities organized by professional committees & VESIT council.	1. Students actively participated in the indoor sphurti & Independence day celebration activity.