

X
C
E
L
L
U
L
A
R
T
E
L
E
C
O
M
M
U
N
I
C
A
T
I
O
N
S
A
N
D
I
N
F
O
R
M
A
T
I
O
N
T
E
C
H
N
O
L
O
G
Y



TELECOM CHRONICLES

DEPARTMENT OF
ELECTRONICS
AND
TELECOMMUNICATION
2019-20



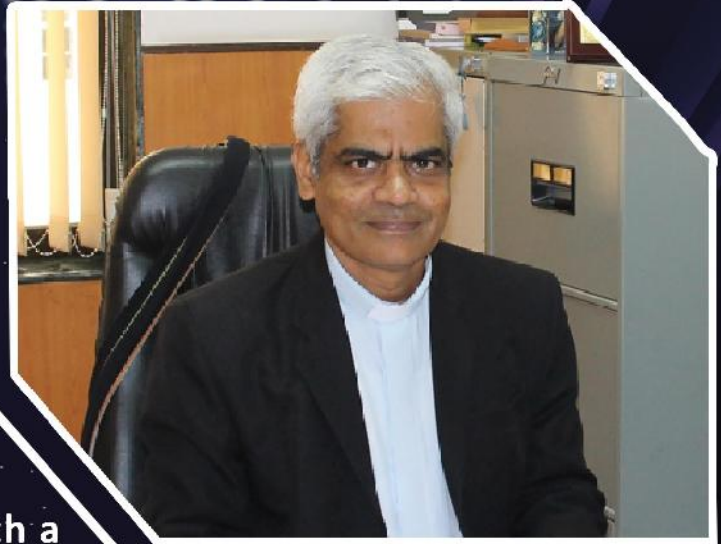


Department of Electronics & Telecommunication About the Department

Electronics & Telecommunication Engineering (EXTC) Department of Xavier Institute of Engineering started in 2005 with Under Graduate (UG) program intake of 60. UG program of department is approved by the All India Council of Technical Education (AICTE), New Delhi, recognized by the Directorate of Technical Education, Govt. of Maharashtra and affiliated to University of Mumbai. The department has a good record of organizing seminars, workshops, and symposia in emerging technological areas.

The department emphasizes on holistic learning by providing quality education, training and empowering students to make significant contributions in the field of Research & Innovations under the guidance of trained and experienced faculty members & well equipped laboratories

Message from the Director's Desk



The campus of Xavier Institute of Engineering is always abuzz with a plethora of academic, technical as well as extra-curricular forums and has become a dynamic epicentre where brilliant minds converge and share their vast reserves of knowledge and skills. The institute aces to bring out the potential within each student and provide proper guidance so that their potentials can be utilized to make them future engineers capable of meeting any challenge that will be faced by them after leaving the college.

The EXTC department provides full support to improve their communication skills, critical thinking abilities, moral values and sense of responsibility. All efforts are made to improve the creativity and problem solving abilities of the students so that they can contribute their best to the society and the country. It gives me immense pride to state that as a result of the collective effort of the EXTC faculty, students and staff over the past few years, Xavier Institute of Engineering today ranks among the topmost engineering institutions of the country. The various conferences, training programs and workshops in this quarter focused on such relevant areas as Machine Learning, Internet of Things, Circuit Simulation, Multisim, Deep Learning, Data Structures and Algorithms using Python and many more. As part of our vision to nurture the joy of excellence in a world of high technology, many innovative initiatives and interdisciplinary programmes are launched every semester by EXTC Department. As we move towards our goals, we must always keep in mind that we owe more to the world than it owes us. Each of us can and must do his or her bit to help build a universe that will nurture our future generation.

- Fr. (Dr.) John Rose S.J.
Director

Message from the Principal's Desk



It gives me immense pleasure to share my views while publishing this academic year's magazine of 2019-20. There are multiple areas in which the department of EXTC has progressed and moved forward as a team. The works of the faculty and the students of EXTC are showcased and highlighted through this edition.

On the academic development front the department has conducted workshops on "Technology in Disaster Management", "BIG DATA-HADOOP", "Joy of computing" and so on to name a few. It has also contributed admirably in the field of research by working on minor research projects such as: Implementation of VPN, AWS Cloud-enabled real-time water pollution monitoring system, Healthcare Monitoring System using Visible Light Communication (Li-Fi) and A Smart Assistive Device for Visually Impaired.

On the innovation side the department has developed an IOT Medicine Vending System. It is heartening to see such amazing enthusiasm from both teachers as well as students, who are eager to explore new technologies which eventually help them to face any challenge that lies ahead. The department has also conducted Industrial Visit to places such as BSNL Earth Station, Sameer -IIT Bombay, NUOS Demo Center, Doordarshan Kendra.

Commendable contributions have been made by taking initiative and organizing training program such as Android Development Workshop. The department also has arranged guest Lecture/Seminar calling our own alumni namely Mr. Franklin Puthuva, Mr. Fazal Sayad and Brian D'Costa which is worth mentioning here. The department is striving to work towards our Institute's vision, that is "to nurture the Joy of Excellence in a world of high technology", and to meet them with a mission "to strive to match global standards in Technical Education by interaction with industry, continuous staff training and development of quality of life." To fulfill this dream it is working hard to apply and acquire NBA certification.

To conclude, the department of EXTC, with everyone's support and cooperation is looking forward for an improved and exciting year 2020-21 ahead! My best wishes to the entire teaching faculty, non-teaching staff and most importantly the students of EXTC. Let God Bless you all in your future endeavors.

Thank you.

- Dr. Y. D. Venkatesh
Principal

Message from the HOD's Desk



It gives me an immense pleasure to congratulate all students, teachers and staff of Electronics and Telecommunication department for the first publication of magazine. The magazine is the perfect reflection of all the activities of Department. These include various curricular, cocurricular, extra-curricular activities and the achievements of students and faculty.

This magazine will encourage the teachers and students to share their creativities and new ideas with the others. This will help in the holistic development of all. I wish Good Luck to all.

**- Dr. Vidya Sarode
HOD EXTC**

Message from the Editorial Team

We are pleased to present to you the first magazine for the Department of Electronics and Telecommunication, Xavier Institute of Engineering. This magazine aims to bring into view the achievements, activities, accolades of the students and faculty, events, and happenings in the department. The Newsletter will serve as an interface between the Institute and the outside world.

As a gift to all our readers, we have added a 'Memories' page to highlight all our fun-filled, nostalgic moments we shared together with our friends and classmates because 'COLLEGE MEMORIES NEVER DISAPPEAR'.

A special thanks to the student editors for their committed efforts towards the timely publication of this newsletter.

Happy Reading!

- The Editorial Team



Prof. Tejal Deshpande
Editor - in - Chief



Vision

To Nurture the Joy of Excellence in the World of Electronics and Telecommunication Engineering.

Mission

- **To equip the students with strong foundations in the field of Electronics and Telecommunication Engineering to enable them for higher studies and lifelong learning.**
- **To educate the students in the state of art technologies and meet the challenges of the Electronics and Telecommunication field.**
- **To collaborate and associate with highly reputed Institutes that are in India and Abroad and enhance academic excellence in the field of EXTC.**
- **To impart total quality education for developing innovative, entrepreneurial and ethical professionals, fit for global competitive environment.**
- **To strengthen the soft skills and logical thinking of students through co-curricular and extra-curricular activities.**

Managing Editors



Antoinette Fernandes



Venkatesh Prabu

Editorial Assistants



Premraj Nadar



Kriti Goel

Graphic Designers



Hemant Gosavi



Achyuth Madiralla

ACHIEVEMENTS

The background is a dark, abstract composition of blue and purple tones. It features several large, 3D-style geometric shapes, including triangles and trapezoids, that appear to be floating or arranged in a perspective. At the top and bottom, there are patterns of small, bright white dots, some of which are arranged in vertical columns, resembling a digital or data visualization. The word 'ACHIEVEMENTS' is centered in a bold, white, sans-serif font with a cracked, stone-like texture. The letters have a slight glow, making them stand out against the dark background.

AICTE Chhatra Vishwakarma Award

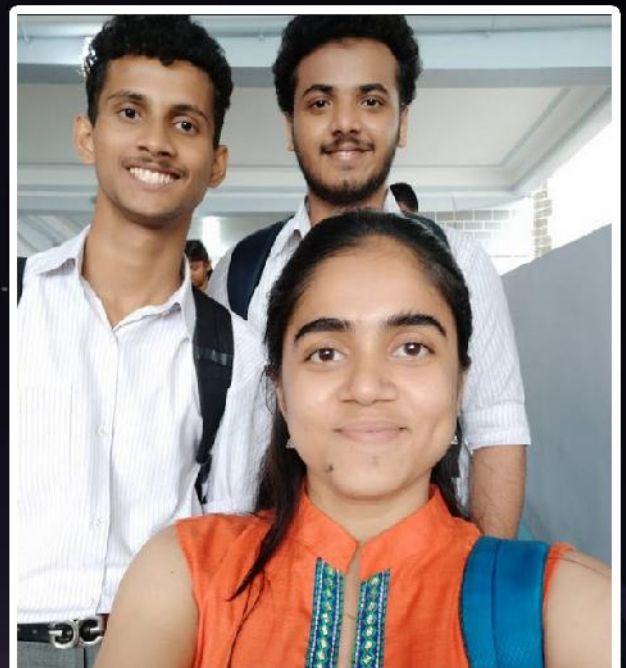
Anurag Bambardekar, Rahul Dhebri, Parth Shah and Shubham Maurya - Project, 'IoT Medicine Vending System' was selected for the Regional convention level of AICTE Chhatra Vishwakarma Award 2019 held at Oriental Institute of Science and Technology, Bhopal.



Project Competition

A Project Competition was organized by Xavier Institute of Engineering for its final year students.

Wendell Mendonca, Shazeb Shaikh and Zalak Pandya secured the 3rd prize for their final year project titled, 'IPv4 to IPv6 Tunneling with MPLS' in the Project Competition held on 11th July 2020 by Xavier Institute of Engineering, Mahim.



Mobile App Development Competition



Prof. Smita Pawar, class teacher for BE EXTC organized an 'Mobile App Development' Competition for the final year students under the subject Mobile Communication System. The competition was held on 4th October 2019.

Judges for the competition were Prof. Meena Ugale, Mr. Kunal Meher and Prof. Shailaja Udtewar.

1st Prize
Ms. Pragati Mishra and
Ms. Ashlesha Ingole
Pixel App



2nd Prize
Ms. Ashwini Kadam, Ms. Utkarsha
Khannukar, Ms. Manali Parab Ms.
Antoinette Fernandes
Food Delivery App

3rd Prize
Mr. Priyank Bhojak
Mr. Ninad Dhiman
Blood Donation Management App



All Rounder Girl Student Award 2020

The Best All Rounder Girl Student (Final Year) was awarded to Ms. Manali Parab (BE EXTC). She was awarded cash prize of Rs. 15,000/- .



Woman Of Intelligence Award 2020

Woman of Intelligence was awarded to MS. Kavita Sharma on the occasion of Women's Day held on 9th March, 2020.



Class Of 2019 VALEDICTORIAN

The Joan & Frank Trocki Scholarship for the "Best All-round Student" was awarded to Ms. Shreya Tembe (Class of 2019 Valedictorian) .





SPARX



SPARX Achievements


Game Name	Student Name	Position
Chess	Shivam Tripathi	Winner (BE EXTC)
	Saurabh Bhoite	2ND PLACE (TE EXTC)
Carrom (Boys-singles),	Umer Zhaga	Winner (BE EXTC)
	Adarsh Chandere	2nd Place (BE EXTC)
Carrom (Boys-doubles)	Sahil, Adarsh	Winner (BE EXTC)
	Yash, Harsh	2nd place (TE EXTC)
Carrom (Mix doubles)	Kirti, Adarsh	Winner (BE EXTC)
	Yash, Ruchi	2nd place (TE EXTC)
	Pranay, Nikita	3rd Place (BE EXTC)
Carrom (Girls-Singles)	Kirti	Winner (BE EXTC)
Shot-put (Girls)	Antoinette Fernandes	2nd Place (BE EXTC)
Open Football (Boys)		Winner (BE EXTC)
		Runner Up (TE EXTC)
Kabaddi (Boys)		Winner (BE EXTC)
		3rd place (TE EXTC)
Tug of War (Boys)	Team A	Winner (BE EXTC)
	Team B	3rd Place (BE EXTC)
Tug of War (Mix)		Winner (BE EXTC)
		3rd Place (SE EXTC)
Tug of War (Girls)		Winner (BE EXTC)
Box Cricket (Boys)		2nd Place (BE EXTC)



**JOURNAL/
CONFERENCE
PUBLICATIONS**

- Manali Tayade, "Implementation of 3D Scanner for 3D Printing", Journal of Emerging Technologies and Innovative Research (ISSN : 2349 - 5162) UGC Approved, Volume 6 Issue 6, 701-705, 5-6-2019.
- Prof. Manali Tayade, Santosh Sahu, Pramod Bhalekar, Adarsh Chandere, Sarvesh Pawar, "Image Rendering For 3D Printing", International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 p-ISSN: 2395-0072 Volume: 07 Issue: 03 | Mar 2020.
- Prof. Shailaja Udtewar, Rohit Keshari, Kishan Gupta, "Image Classification using Deep Learning Neural Networks for Brain Tumor", International Research Journal of Engineering and Technology (IRJET), Volume: 07, Issue: 02, February 2020.
- Shailaja Udtewar, Subburayan Mudaliyar, Jamal Mohideen, "Automated Student's Attendance Management Using Convolutional Neural Network", International Research Journal of Engineering and Technology (IRJET), Volume: 07, Issue: 02, February 2020.
- Smita Pawar, Anurag, Rahul Debhri, "Real time Analysis of Video Surveillance using Machine Learning and object recognition", IRJET e-ISSN 2395-0056 p-2395-0072, Volume 7, Issue 2, Feb 2020.
- Prof. Smita Pawar, Shreya Tembe, Sahar Khan, "Design of an affordable pH module for IoT based pH level control in Hydroponics Applications", IEEE ICCDW, Jan 2020.
- Mayuresh Dalvi, Bhushan belwalkar, Smita Pawar, Liyakat, Sanjit, "Automated system for plant health monitoring and disease detection with android app", IRJET, Volume 7, Issue 2, Feb 2020.
- Panil Jain, "Classroom Automation System", IEEE 5th I2CT 2019 Pune, 2019.
- Leena Patil, Devika Salunkhe, Arundhati Kahate, Antoinette Fernandes, "Virtual Private Network Implementation on PC as a Router for Privacy of Data Transfer", International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume: 07 Issue: 03 | Mar 2020
- Fabian Baretto, Hadi Khan, Umer Karbari, Sajjad Syed, Umer Zhaga, "Face Recognition in Infrared Imaging using Deep Learning", International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056 - p-ISSN: 2395-0072, Volume: 07 Issue: 06 | June 2020

- Leena Patil, Devika Salunkhe, Arundhati Kahate, Antoinette Fernandes, "Implementation of VPN, AWS Cloud Enabled Real Time Water Pollution System", International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056 - p-ISSN: 2395-0072, Volume: 07 Issue: 03 | Mar 2020
- Leena Tushar Patil, "Evaluating the Impact of IPv4 to IPv6 Tunneling with MPLS on VOIP", International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056-p-ISSN: 2395-0072 ,Volume 7, Issue 3, 1975-1977, March 2020 .
- Madhura Manodaya Shirodkar, Sayali Nimbalkar, Ashlesha Ingole, Pragati Mishra, Sandeep Sahu, "Election result prediction using Sentiment Analysis", International Research Journal of Engineering and Technology (IRJET), Volume: 07 Issue: 02 , Feb 2020 .
- Nitin Ahire, Ashwini Kadam,Utkarsha Khannukar, "Garbage segregation and monitoring system", IRJET, Vol-7 Issue 5 , May 2020.
Prof. Tejal Deshpande, Stella J., ""FPGA Based Blood Sample Characterisation"" , Journal of Emerging Technologies and Innovative Research (JETIR), Vol 6,Issue 6, 807, June 2019.
- Tejal Deshpande, Stella J, "Determining Blood Type Using Image processing Techniques", International Conference on Trends in Electronics & Telecommunication (IC-TELCON-2020), 29th February, 2020.
- Ms.Tejal Deshpande,Mr.Ninad Dhiman,Mr. Arnold D'souza, ""Detection of Acute Lymphoblastic Leukemia using Microscopic images through Image Processing"" , International Conference on Trends in Electronics & Communication (IC-TELCON-2020), 29th February, 2020.
- Panil Jain, Elton Alphonso, Aloysius Miranda, priyank bhojak, shivangani jaiswal, "Stress Detection using Arduino", International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056 - p-ISSN: 2395-0072, Volume: 07 Issue: 03 | Mar 2020.
- Fabian Barreto, Nikita Kondhalkar, Rishika Dhanawade, Mayura Rajadhyaksha,Pranay Malusare, "Gait Biometric using Deep Learning For Surveillance Applications", Advanced Science Letter, ISSN:1936-6612, E-ISSN:1936-7317, Volume 26, Number 6 (June 2020).
- Lalita Moharkar, Sudhanshu Varun, Apurva Patil and Abhishek Pal, "A Scene perception system for visually impaired based on object detection and classification using CNN", first International Conference on Automation, Computing and Communication(ICACC-2020) Conference June 27 and 28, 2020.



**STUDENTS
IN POST**

Student Name	Posts
Antoinette Fernandes	TEDxXIE Advisor, ConneXIEon Editor-in-Chief
Ashish Gapat	Secretary of E-Cell
Dhruva Mahajan	Dept. Secretary of E-cell
Venkatesh Prabu	Cultural Secretary of XIE
Premraj Nadar	Admin of Spandan, Publicity manager TEDxXIE
Falguni Ghate	Music HOD
Yukta	HOD Fine Arts
Kushal Sardar	HOD Fine Arts
Yash Dekate	HOD Creatives, Marketing Head of TEDxXIE , Admin of Sparx
Prashant	HOD Security
Shubham Sawant	HOD Security
Keval Meher	HOD Arts
Nagalakshmi	HOD Arts
Saurabh Bhoite	HOD Fun
Jayesh Shinde	Contingent Leader, Team member of TEDxXIE
Kriti Goel	HOD Literary
Harsh Kadam	Admin of Spandan, Admin of Sparx
Amit Marathe	Hod Robotics
Parth Shah	Hod Robotics
Ronak Singh Rajput	Hod Formals
Ruchi Tamore	Hod Dance
Sanjana khairnar	Hod Dance
Serena Matla	Hod Drama , Publicity manager TEDxXIE
Ninad Tawde	Admin of Sparx
Gruhesh Ranoliya	Hod Logistics
Rohan Khamkar	TEDxXIE Photographer, ConneXIEon Photographer
Hamza Shaikh	Creativity Head of ConneXIEon
Kavita Sharma	Hindi Editor of ConneXIEon



**ALUMNI
CONTRIBUTION**

Bridging the Gap between Academia and Industry

Mr. Franklin Puthuva, an alumnus and previous Cultural Secretary of XIE (Class 2015) had a talk with the SE and TE students on “Bridging a gap between academia and Industry”

Highlights of his talk included understanding the current functioning of the IT Industry in India, demand jobs in India 2020, non coding jobs and encouraging the students to be more involved in extra activities.

The talk was arranged by Prof. Smita Pawar and Prof. Shailaja Udtewar.



A Talk on Higher Education in Australia

Mr Fazal Sayad, an alumnus of XIE (Class 2018) enlightened the final year students with his talk on "Higher studies in Australia and opportunities one can receive after their BE".

The talk was arranged by Prof. Smita Pawar, to encourage the students in pursuing higher studies.

Mr. Fazal is currently pursuing his Masters Programme in the field of Electrical and Network Management from Australia. The students were happy to meet him and listen to his talk, giving them an insight to higher studies pursued in Australia.



A Talk on The Scope of an Embedded System Engineer

Mr. Brian D'costa, alumnus of Class 2016 gave a talk to the students of TE EXTC on "The Scope & Path to be an Embedded Software Engineer."

The highlights from his talk were on how students can develop skills in Embedded Systems as well as the scope of an Embedded System engineer in India. He enlightened the students on skills a recruiter looks for in it's hiring of fresh candidates.

The talk was arranged by Prof. Tejal Deshpande.





**WORKSHOPS /
SEMINARS
CONDUCTED**

Name of the Faculty/Student	Title of Workshop / Seminar / STTP / Conference	Organizing Body
Prof. Nitin Ahire	Technology in Disaster Management	XIE & XUB
Prof. Tejal Deshpande Ms. Stella J	Joy of computing	Xavier Institute Of Engineering for students of Stanislaus International school
Prof. Leena Tushar Patil, Prof. Panil Jain	BIG DATA-HADOOP	Department of EXTC, XIE
Fr. Fabian Barreto S.J, Prof. Madhura Manodaya Shirodkar, Prof. Lalita Wasudeo Moharkar	Introduction to LaTeX	Department of EXTC, XIE
Prof. Smita Pawar Rahul Dhebri	Demonstration of GSM mobile Communication and SDN (peer knowledge sharing)	Department of EXTC, XIE
Prof. Smita Pawar	Mobile Application Development Workshop	Department of EXTC, CSX, XIE

Disaster Management



Peer Knowledge Sharing



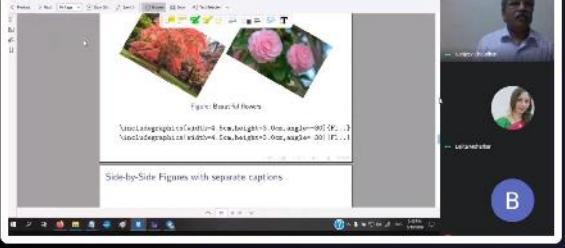
Joy of Computing



BIG DATA Workshop



Latex Workshop



Mobile Application Development Workshop



Joy of Computing



The background features a complex, abstract design. At the top and bottom, there are patterns of glowing blue and white dots, resembling a grid or a starry sky. These are interspersed with various geometric shapes, including elongated rectangles and triangles, some of which are semi-transparent and layered. The overall color palette is dominated by deep blues, purples, and blacks, with a central glow of yellow and white light emanating from behind the text.

INDUSTRIAL VISITS

Satellite Station Yeur, Thane

An Industrial Visit to a Satellite Earth Station at Yeur, Thane was planned for Final year EXTC students to make them aware of the various tasks and activities or work carried out in the Earth Station. Ashlesha Ingole, who was a part of the Industrial visit, said that, "the overall experience was good. We learned about the C and K bands. The session was started with theory and concepts were made clear. After theory it was practical time and we could relate whatever was taught in college as well as there. It was knowledgeable. Thanks to Prof. Shailaja Udtewar for arranging such visits which help in making our concepts clear." The objective of arranging such a visit for the students is to have better appreciation of the practical applications of theory in an industrial setting.



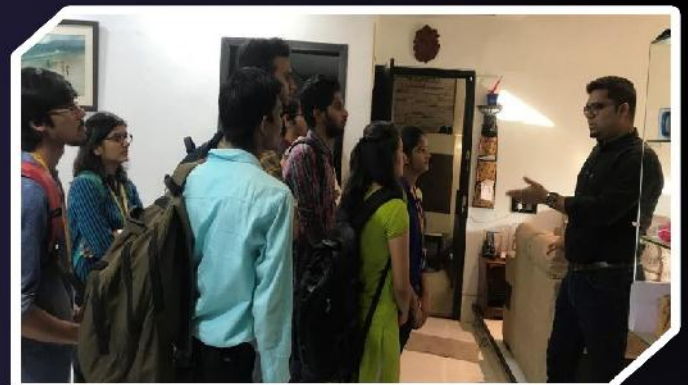
NUOS Home Automation Bandra East



Prof. Shailaja Udtewar and Prof. Smita Pawar organized an industrial visit to NUOS DEMO CENTER, Kalanagar, Bandra for the Second year EXTC students to help them learn about the various projects carried out in the field of IoT and Embedded System.

Mr. Neil Savant, Founder & CEO - NUOS Home Automation (A Leading Home Automation Service and Product Provider) interacted with the students to enlighten them on the current market scenarios, latest most demanding technologies & criteria and eligibility for selection etc.

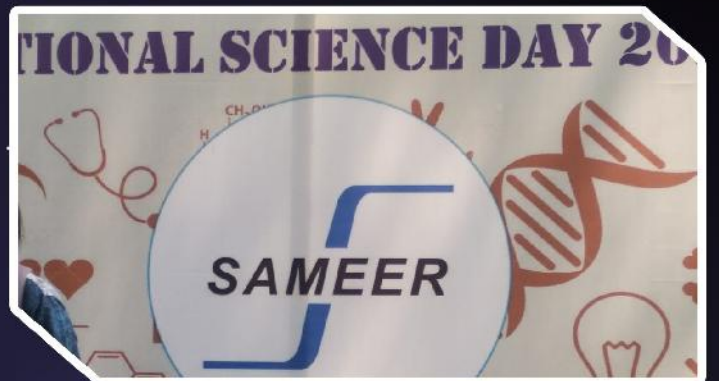
After visiting the company, the students gave their feedback on how they were made more aware of the new innovative emerging technology and its challenges, especially on start-ups in the technology field.



**Society for Applied
Microwave Electronics
Engineering & Research
SAMEER**



On the occasion of the National Science Day, Prof. Manali Tayade from the Department of Electronics and Telecommunication arranged an educational visit to the Society for Applied Microwave Electronics Engineering & Research (SAMEER) located in the IIT-B campus, for the S.E and T.E. students of the department on February 28, 2020. The students were able to observe various ongoing projects in the lab like Medical Linac for Cancer Treatment, Microwave Radiometer, FMCW Radar, Electrical Safety Testing, NAVIC Receiver and so on. Prof. Madhura Shirodkar, Prof. Panil Jain and Prof. Tejal Deshpande accompanied the students during this visit.



Doordarshan Kendra Worli, Mumbai



The students of T.E- EXTC (SEM – V) who had opted for the elective subject “Television & Video Engineering” got a chance to visit Doordarshan at Worli, Mumbai on 22nd August, 2019. This Industrial Visit was arranged by Prof. Manali Tayade and Prof. Madhura Shirodkar.

Doordarshan, the oldest mode of audio/video transmission in India is best suited for students to learn and understand the concepts of RF Transmission for Television Signals. The students visited various departments like Live News Room, Control Room for Live News, Program Set Room, Editing Room, On Air Control Room, Transmitter Tower and the Live Studio.

During the visit, the students acquired knowledge about Digital Terrestrial TV (DTT), facts on Transmission and Reception and also on the Earth Station.



The background features a dark blue to black gradient. At the top and bottom, there are symmetrical patterns of glowing blue and purple light rays and dots, creating a sense of depth and movement. The central text is rendered in a bold, cracked, and textured font with a blue-to-purple gradient.

EXTRA ACTIVITIES DURING LOCKDOWN

Student Name	Event / Course	Date	Result
Mayuresh Dalvi (BE EXTC)	Technical competition at Thakur College of Science and Commerce	May 11	Participated
Mayuresh Dalvi (BE EXTC)	One-week online course entitled, Internet of Things - Current Developments at Bharathidasan University, Tiruchirappalli ,Tamil Nadu	May	Completed
Antoinette Fernandes (BE EXTC)	GENESIS -Beyond Learning, a series of technology-based webinars by Silver Oak University	25-29 April	Attended
Antoinette Fernandes (BE EXTC)	KOAN at IIT (BHU), Varanasi	March 27	3rd Prize
Ravneet Kaur (T.E.-EXTC)	Building a Calculator using C# in Visual Studio from Coursera	June 6	Completed
Ravneet Kaur (T.E.-EXTC)	Programming for Everybody (Getting Started with Python) Programming from Coursera	June 8	Completed
Atharv Joshi (T.E.-EXTC)	Foundations with JavaScript, HTML and CSS by Duke University	May 15	Completed
Sanjana Khairnar (T.E.-EXTC)	Training on Basics of COVID-19 by Government of Maharashtra	May 12	Completed
Jinit Desai (SE - EXTC)	Introduction to Project Management, Introduction and Programming with IoT Boards, and SQL for Data Science.		Completed
Pranav Borkar	Electric Power Systems, Python Data Structures, and Programming for Everybody		Completed
Mohammad Umer Baig	Create your first python Program, Python, Online quiz on Covid-19 from Coursera	May -June	Completed

Student Name	Event / Course	Date	Result
Kriti Goel (S.E.-EXTC)	Introduction to HTML, CSS, Kotlin Workshop from Coursera and Industrial automation workshop from Prayas	June	Completed
Sampada Matkar (S.E.- EXTC)	Crash Course on python, Introduction to SQL, Introduction to internet of things from Coursera, COVID-19 Awareness Quiz by KGCE NSS, and Kotlin Workshop by CSX	June	Completed
Muthu Narayanan (S.E.- EXTC)	Industrial Automation Workshop from Prayas, Python for everybody Specialization, Machine learning for all from Coursera	May	Completed
Bhavesh Yadav (S.E.- EXTC)	Python3 specialization, Data science math skills, Data visualization using R from Coursera and Industrial Automation Workshop from Prayas	June	Completed
Abhijit Aravindakshan (S.E.- EXTC)	Solar energy basics from MHM, Python from Coursera	June	Completed
Ashish Pandey (S.E.- EXTC)	Python3 specialization, Data visualization using R from Coursera and Industrial Automation Workshop from Prayas	June	Completed
Vijay Raj Selvan (S.E.- EXTC)	Data science from Coursera	June	Completed
Shantanu Chhailkar (S.E.- EXTC)	Python3 specialization, Data visualization using R and Data science math skills from Coursera	June	Completed
Neha Koyande (S.E.- EXTC)	Python for everybody Specialization from Coursera	June	Completed
Ekta Gupta (S.E.- EXTC)	Industrial Automation Workshop from Prayas , Python from Coursera	May	Completed

Student Name	Event / Course	Date	Result
Apurva Patil (BE EXTC)	Python for everybody (Getting Started with Python)	May	Completed
Rishika Dhanawade (BE EXTC)	Career Edge-Knockdown The Lockdown, Top 5 Machine Learning Libraries in Python, RPA Starter, Python Bootcamp:Go from zero to hero in Python 3, AWS Funadamentals: Going Cloud - Native, Building Conversational Experiences with Dialogflow,	April- May	Completed
Amey Vasant Girkar (BE EXTC)	Build your own webserver for multiple websites on the cloud Telegraf / Influx DB / Chronograf (TICK) for Monitoring SQL Server, Programming for Everybody (Getting Started with Python)	April - May	Completed
Zalak Pandya (BE EXTC)	Career Edge-Knockdown The Lockdown, Programming for Everybody (Getting Started with Python), Webinar session on Cyber Security	April - May	Completed Participated
Pragati Mishra (BE EXTC)	Career Edge-Knockdown The Lockdown, The Data Scientist's Toolbox, Programming for Everybody (Getting Started with Python)"	April - May	Completed
Antoinette Fernandes (BE EXTC)	NASA EDPC	April - July	Educator Achievment

Saurabh Bhoite, Ruchi Tamore, Yukta Rane, Nesline Almeida, Raghuveer Deepala, Arman Khan, Sanjana Khairnar from T.E. EXTC and Ajit George, Nisha Jadhav, Shreyansh Kashyap, SampadaMatkar and Kavita Sharma from S.E. EXTC have completed 120 hours of Regular NSS work including social service projects as per the rules of NSS Cell, University of Mumbai during the year 2019-2020 under the guidance of Prof. Vijay Jumb, Programme Officer of NSS-XIE. These 12 students are eligible to claim ten marks for their contribution in their respective semester.

During this ongoing lockdown, Antoinette Fernandes, from BE EXTC was involved in virtual teaching at a rural school Vasant Patshala, Samvedana Trust, an NGO in Ahmedabad. She taught Drama to students of Grade 2 and 3 for a duration of 2 weeks.

In June, she taught the students of Class 10, 11 and 12 at the Eklavya Project, Samvedana Trust, Ahmedabad, 'The United Nations Sustainable Development Goals', with major emphasis on Climate Action.



**MINOR
RESEARCH**

Name of the Faculty	Topic	Amount Sanctioned
<p data-bbox="199 369 510 414">Mrs. Leena Patil</p> 	<p data-bbox="614 369 1165 515">Implementation of VPN,AWS Cloud enabled real-time water pollution monitoring system</p>	<p data-bbox="1189 369 1428 414">Rs. 25,000/-</p>
<p data-bbox="143 929 566 974">Mrs. Shailaja Udtewar</p> 	<p data-bbox="614 929 1165 1075">Healthcare Monitoring System using Visible Light Communication (Li-Fi)</p>	<p data-bbox="1189 929 1428 974">Rs. 25,000/-</p>
<p data-bbox="127 1478 582 1523">Mrs. Madhura Shirodkar</p> 	<p data-bbox="614 1478 1165 1579">A Smart Assistive Device for Visually Impaired</p>	<p data-bbox="1189 1478 1428 1523">Rs. 35,000/-</p>

The background is a dark, almost black, space filled with a complex arrangement of geometric shapes. At the top and bottom, there are vertical columns of glowing blue dots, resembling a digital grid or data stream. Interspersed among these are various translucent, 3D-style shapes in shades of blue and purple, including rectangular prisms and triangular pyramids. Some of these shapes appear to be floating or moving, creating a sense of depth and motion. The overall aesthetic is futuristic and high-tech.

INTERNSHIPS

Student Name	Company	Duration
Antoinette Fernandes	Project trainee, MTNL	1 year
Amey Girkar	Project trainee, MTNL	1 year
Shazeb Shaikh	Project trainee, MTNL	1 year
Wendell Mendonca	Project trainee, MTNL	1 year
Zalak Pandya	Project trainee, MTNL	1 year
Rohan Santosh Vichare Kirti Ravindra Gawai Manali Sandeep Parab	Control and instrument division CnID Bhabha Atomic Research Centre	Jun 19 - April 20
Sanjana Khairnar	Dignique TechLabs	1 month
Swapnil Desai	"Entrepreneur Fox,Java Certification "	6 months
Shubham Dhuri	Indian Railways	15 days
Harsh Kadam	National Stock Exchange	1 month
Kushal sardar	ETark, java certification, digital marketing	2 months 40 hr, 3 days
Ayushi Singh	Robosync,Java Certification	2 months 40 hours
Ruchika Narad	Air India , Java Certification	1 month(AI) 40 hours
Deepak Kamat	Sparks To Ideas	1 month
Rahul Joshi	Tata Institute of Fundamental Research	37 days
Vedant Jagtap	Tata Institute of Fundamental Research	37 days
Preetam Lobo	Tata Institute of Fundamental Research	37 days
Meet Kevadiya	Eduvance	1 month
Keval Meher	Prolific (Industrial training on ARM processor), Java Certification, Python for data science	1 month 40 hours 12 weeks
Sarvesh Batham	.Net Framework	1 month
Ravneet Kaur	.Net Framework, A Colorful Riot	1 ,6 months
Zaid Khan	Python Certification,Web Designing	1, 6 months
Shaktivel Thevar	Java Certification	1 month
Khan Atif Ahmed	Java Certification	40 hrs
Rishika Dhanawade	Foxmula	3 months



PLACEMENTS
2019 - 2020

Student Name	Company	Package
Abhishek Pal	QSpiders Incubation	2.5 LPA
Anjali Pandey	TSS Consultancy	3.5 LPA
Apurva Patil	Adrosonic IT Consultancy Services Pvt Ltd	3.5 LPA
Ashish Gapat	Cactus Global & Dure Technologies	5 LPA & 4.5 LPA
Ashwini Kadam	QSpiders Incubation	2.5 LPA
Atharva Bowlekar	WonderBiz	3 LPA
Dhruva Mahajan	NSE IT	3.5 LPA
Dhruva Mahajan	Jaro Education	5 LPA
Hadi Khan	Reliance Jio & TCS	3.5 LPA & 3.5 LPA
Kirti Gawai	Infosys	3.5 LPA
Kulbushan Tiwari	NeoSOFT	3 LPA
Liyakat shaikh	Qspider	2.5 LPA
Mayura Rajadhyaksha	Capegemini	3.8 LPA
Mohd umer	Qspyder	2.5 LPA
Nikita Khondalkar	Reliance Jio	3.5 LPA
Pragati Mishra	ICICI Prudential & QSpiders Incubation	3.5 LPA & 2.5 LPA
Pranay Malusare	LTI	3.5 LPA
Rohan Vichare	QSpiders Incubation	2.5 LPA
Rohan Vichare	Wonderbiz Technology	3 LPA
Sahil Pawar	TSS Consultancy	3.5 LPA
Sajjad Sayed	Jaro Toppscholars	5 LPA
Sayali Nimbalkar	LTI	3.5 LPA
Shazeb Shaikh	NSE IT	3.5 LPA
Shivam Tripathi	Delta X	5 LPA
Shreya Tripathi	A One Salsar & Jaro Education	2.8 LPA & 12 LPA
Subhas Gupta	Infosys	3.5 LPA
Tanmay Tirlotkar	LTI	3.5 LPA
Utkarsha Khannukar	ideas94	3 LPA
Zalak Pandya	LTI	3.5 LPA



**CLASS
PHOTOS**

EXTC FACULTY



BE EXTC



TE EXTC



SE EXTC



MEMORIES









