



VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS

MAY 2020

SILICON TODAY

Message from the Department



Abhay Kshirsagar
Associate Professor

Today, the world is facing the coronavirus crisis, a pandemic that has changed life for millions of people. In times like these, hope can be a powerful source of reassurance. Many who are locked at home, others who are working to help and prevent the virus, also need the reassurance and the hope that “We shall overcome this.”

Good things remain good only because they are always scarce. I am glad to pen for this wonderful magazine “Silicon Today”, as an appreciation of the commendable efforts put forth by the Electronics Department team for its continued efforts towards education. The efforts taken to bring about innovative content is appreciable.

This learning process would lead to the inventions and then to discoveries. A final message to my dear students, “**Your limitation---** it’s only your imagination. Dream it. Wish it. Do it.”

VISION OF DEPARTMENT

To equip our students with the latest technology and implement their ideas to conduct research in selected areas of excellence within traditional disciplines technologically important and relevant to the region and development of nation.

MISSION OF DEPARTMENT

The department is committed to produce technocrats ready to handle the state-of-art technologies in the field of Electronics Engineering and prepare students to contribute effectively to the profession and society for advance study, lifelong learning, and conduct research integrated with education in selected areas of excellence.

***We are what our thoughts have made us. So, take care about what you think.
Words are secondary, thoughts live; they travel far.***

-Swami Vivekanand

Workshops Conducted by Faculty

The first online Faculty Development Program (FDP) was organized and conducted by Electronics Engineering Department in association with VESIT-IIC from 25th May to 30th May 2020. More than 1700 participants joined.



FDP on "Opportunities & Challenges in Electronics & Allied Industries in INDIA post COVID 19"



Day 1 : 25/05/2020
Topic : Opportunities and threats for Engineers in the post COVID world
Time: 10.30 AM to 12.30 PM

Mr. Subhas Rao Mallya

FDP on "Opportunities & Challenges in Electronics & Allied Industries in INDIA post COVID 19"



Day 2 : 26/05/2020
Topic : Current trends in IT Industry & trends in Telecom / Electronics Industry
Time: 10.30 AM to 12.30 PM

Dr. Swapnil Kale

FDP on "Opportunities & Challenges in Electronics & Allied Industries in INDIA post COVID 19"



Day 3 : 27/05/2020
Topic : Performance of Power Sector post COVID 19
Time: 10.30 AM to 12.30 PM

Mr. C. V. Prasad Rao

FDP on "Opportunities & Challenges in Electronics & Allied Industries in INDIA post COVID 19"



Day 4 : 28/05/2020
Topic : Future of Electronics Engineering in Solar & E-Mobility Sector
Time: 10.30 AM to 12.30 PM

Mr. Vedant Rathi

FDP on "Opportunities & Challenges in Electronics & Allied Industries in INDIA post COVID 19"



Day 5 : 29/05/2020
Topic : Challenges for scaling up fixed Wireless in Unlicensed Spectrum
Time: 10.30 AM to 12.30 PM

Mr. Anurag Chugh

FDP on "Opportunities & Challenges in Electronics & Allied Industries in INDIA post COVID 19"

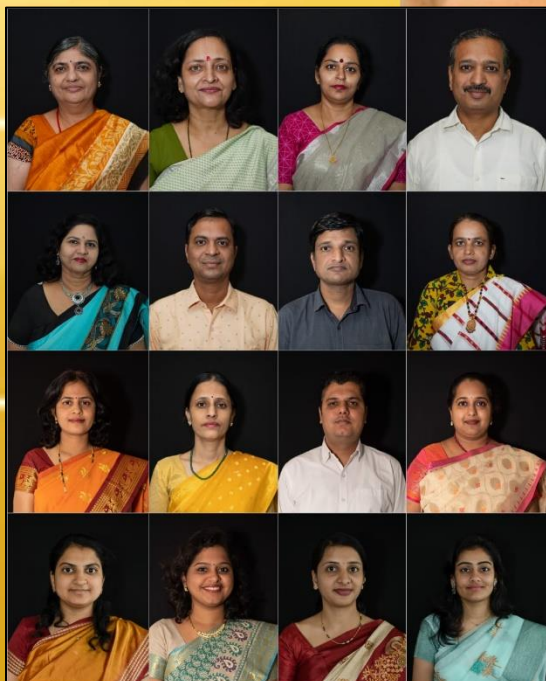


Day 6 : 30/05/2020
Topic : Emerging Business Models in the post COVID 19 world
Time: 10.30 AM to 12.30 PM

Mr. Raj Bhat

Department Contributions

- Workshops conducted by faculty
- Courses Attended
- Projects and Papers
- Industrial Visit
- Social Activities



Students and teachers from the institute organized this event and it was livestreamed on YouTube for the participants for 5 days.

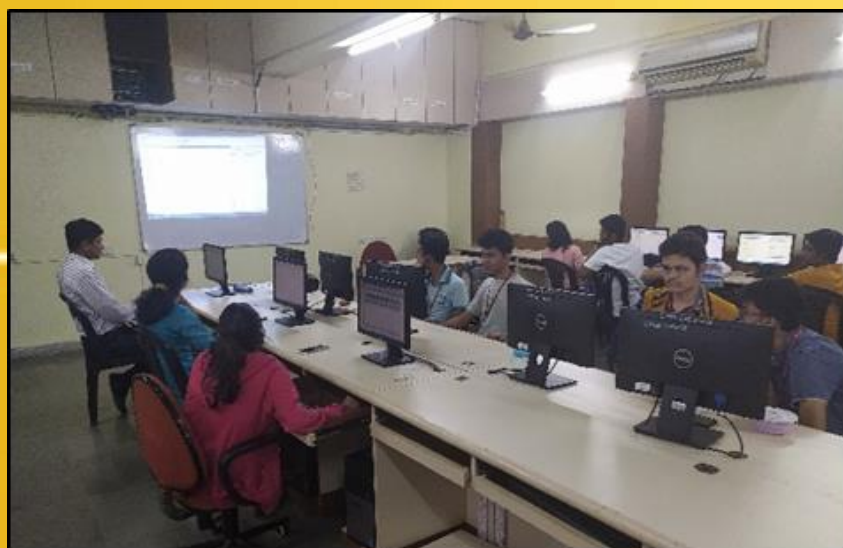
To celebrate this year's International Women's Day, Energy Swaraj Foundation gave hands-on training on building table top Solar Lamps to all women employees. All women employees from the department participated with great enthusiasm.



Department of Electronics organized a Workshop on Thesis Writing/ Presentation making and Paper/Article writing using LaTeX under IIC and Research forum. The workshop was conducted on the 18th January 2020. Coordinators of the workshop were faculties from Department of Electronics, Mr. Abhay Kshirsagar and Dr. Parmeshwar Birajdar. About 60 students from the fourth year participated in this workshop.



A Skill Development Workshop for MATLAB was conducted by Prof. Dipti Karani, Prof. Sarika Kuhikar and Prof. Abhijit Shete. Students from SE and TE learned deep learning and MATLAB on Ramp.





Courses Attended by Faculty

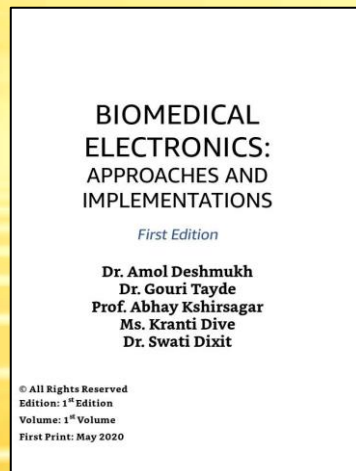
Dr. Asawari Dudwadkar attended Design Thinking and Risk Mitigation to Enhance Educational Productivity Course.

Mr. Abhay Kshirsagar attended Internet of Things course.

Projects and Publications

Prof. Abhay Kshirsagar is the co-author of the book named 'BIOMEDICAL ELECTRONICS: APPROACHES AND IMPLEMENTATIONS'.

Prof. Anushree Prabhu received a research grant of Rs. 45,000 for Water monitoring System using IoT under the domain IoT and Embedded systems.



Mrs. Kavita Tewari, published a paper on Two Dimensional Digital Image Correlation for metal Deformation measurements in 5th International Conference on Computing, Communication Control, and Automation journal.

Mrs. Kavita Tewari published a paper on Computation of strain in deformed pearlitic steel using digital image correlation technique in Advances in Computing, Communication and Control journal.

Mrs. Naveeta Kant published a paper on Performance Analysis of C-Band Water Antenna in Global Conference for advancement in technology journal.

Mrs. Naveeta Kant published a paper on Design and Performance Analysis of C-Band Water Antenna in International Journal on Emerging Technologies.

Dr. Asawari Dudwadkar published a paper on IoT Based Autonomous Tunnel Electric cable fault detection and maintenance robot in International Conference on Advances in Computing, Communication and Control journal.

Dr. Parmeshwar Birajdar published a paper on Unconstrained Ear Recognition using Deep Scattering Wavelet Network in IEEE Signature Conference.

Industrial Visit

Venue: Bangalore and Mysore

Faculty: Dr.Asawari Dudwadkar

Number of Students:46

Date: 1st to 5th January, 2020

Industries Visited:

Vikram Sarabhai Space Exhibition (VSSE)

AMUL Dairy

Akshardham Temple

Statue of Unity

Sabarmati Ashram

Adalaj Stepwell



Vikram Sarabhai Space Exhibition



Sabarmati Ashram



Statue of Unity



AMUL Dairy

Social Activities

Android app developed by students during pandemic

Team Members: Neeraj Patil, Aaryaa Padhyegurjar, Aditya Suryawanshi, Sayli Sawant, Amey Sonje,

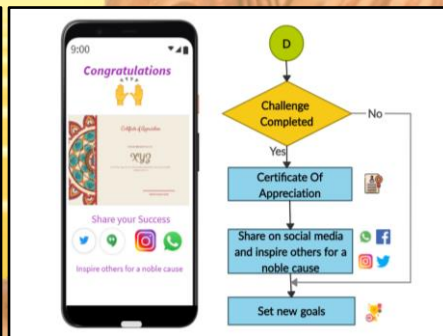
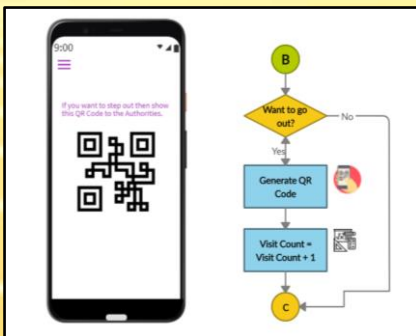
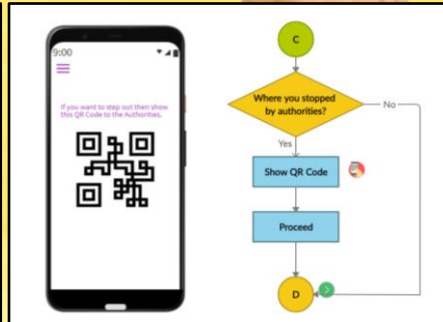
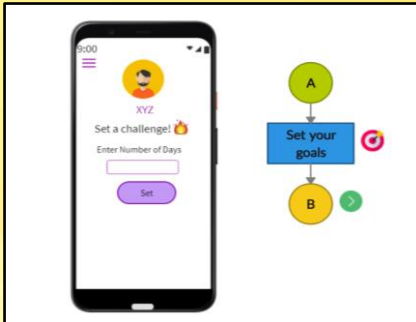
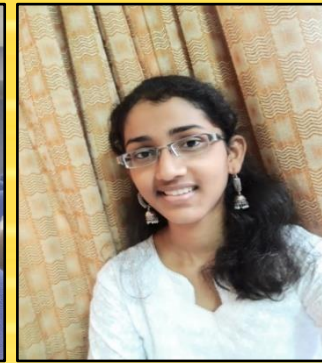
Yogesh Tembe

College Name: VESIT, Mumbai

App Name: GoCovid19

App Description:

This app tackles the problem of the deadly pandemic, Coronavirus by implementing a simple approach. The app takes the location of the user and draws an automatic "Geofence" around his home to monitor his position.



Due to the trend in challenges, this app will surely help to influence people and engage them in this lockdown period.

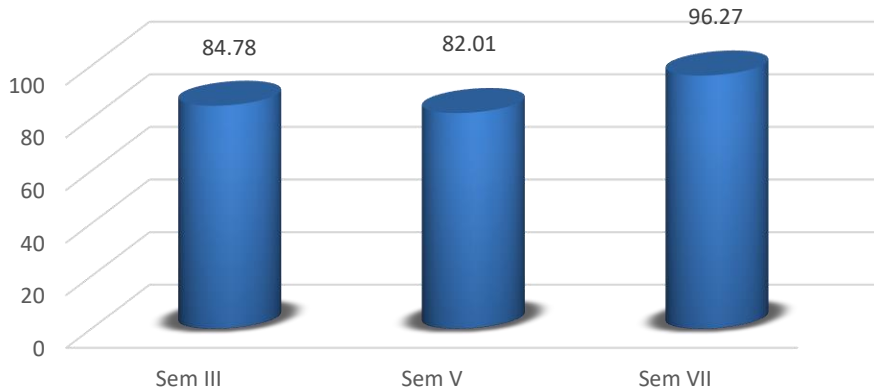
The sharable certificates, coupons, health tips, and related training will help people to avoid loneliness.

Varun Prasad Gokhale and Shlok Mangesh Jagushte of SE Electronics of VESIT started an Initiative - "**Shubhashish**" to feed the needy during the COVID-19 pandemic. A month-long initiative which was distributed into 12 days, 12 different locations, 51 blessed donors, 10 volunteers and 4580 people were fed. They also helped people affected due to Amphan Cyclone in Orissa, Migrant Workers in Maharashtra, Widows, Gypsy families, Transgender community, Policemen, Sanitation workers with cooked food and also grocery kits.



Results

Electronics Engineering Even Sem Results



Suyash Joglekar secured 1st in Fourth year with CGPA 9.23
Paritosh Dixit and Anandlakshmi Kumar secured second rank in 4th year with CGPA 9.19
U.V. Lakshmipriyanka and Abin Nair secured third rank in 4th year with CGPA 9.04
Rahul Powar and Aditya Suryawanshi secured first rank in 3rd year with CGPA 10.00
Mayuresh Gawade secured second rank in 3rd year with CGPA 9.93
Siddhant Eshwar secured third rank in 3rd year with CGPA 9.89
Satyam Vishwakarma secured first rank in 2nd year 10.00
Varun Gokhale secured second rank in 2nd year with CGPA 9.88
Harshad Nehate and Siddhesh Patkar secured third rank in 2nd year with CGPA 9.77

Student Activities

- Results
- Higher Studies
- Placements
- Workshops Conducted
- Projects and Competitions
- Internships
- Extra-Curricular Activities

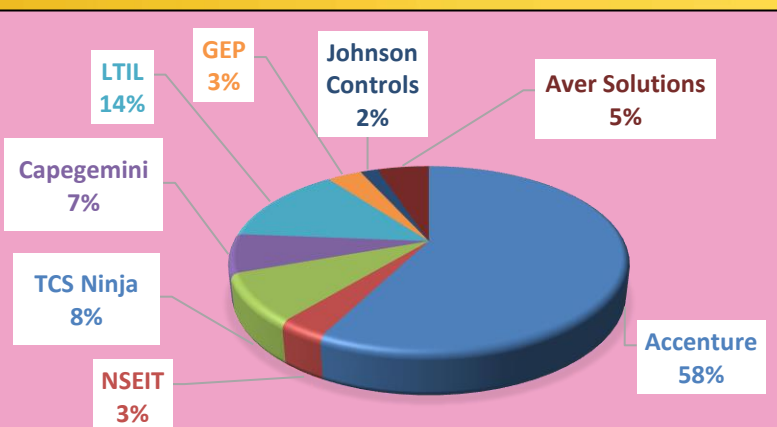
Higher Studies

Total of 12 students attempted the Graduate Record Examination (GRE). Out of them, Himanshu Jahagirdar scored the highest (322 / 340) and Hitesh Jetwani scored 321 / 340. Many students from them also appeared for TOEFL and IELTS.

The highest Salary Package offered was of 8.5 Lakhs.

Placement

Out of the 59 jobs offered, 52 of them were filled. Most of the students were placed in Accenture and LTIL.



Workshops Conducted

Python Workshop was conducted for students of 3rd year to teach students the basics of Python programming and motivate them for the purpose and importance of the language for job placements, higher studies and competitive programming.

49 students learned about Python in this workshop conducted by Mr. Pronoy Mandal, Mr. Prathamesh S. Kahndekar, Mr. Rushikesh Vasule and Mr. Rohan Tiwari from B.E. Electronics under the guidance of Dr. Parameshwar Birajdar.



Project Competitions

Project Title: Multifunctional Detachable Applications for Drones

Organized by: IIT Bombay

Project Competition: EYIC 2019

Achievement: Reached Regional Finals

Team Members: Sanket Bhagde, Shweta More, Paras Lokare, Harsh Sawardekar



Project Title: Public Toilet Health Check

Organized by: Masteki

Project Competition: Deep Blue Competition

Achievement: Secured Super Team Award in Round 2.

Team Members: Shrikrishna Pai, Atharva Ghodegaonkar, Kalyani Ingole, Tarit Das

Competition: Algeria Hackathon

Achievement: Secured 2nd Prize

Team Members: Shrikrishna Pai, Atharva Ghodegaonkar.



Project Title: Agri-Fi Copter with LIDAR Mapping

Organized by: IEEE VJTI

Project Competition: Makers Square

Achievement: Secured 2nd Prize

Team Members: Siddhesh Mahadik, Shweta More, Paras Lokare, Sehla Pathan

Sakthivel Nadar from TE secured 2nd place in Intech Olympiad 2020 held on 15th February in College of Engineering, Pune.



Nidhi Jain from TE secured the Best Performer Award in Intech Olympiad 2020 held on 15th February in College of Engineering, Pune.

Internships

Sayali Gogate from BE completed an Internship in Marketing Domain from SAMC.

Ashish Singh from BE completed an Internship in IT Domain from BARC

Aditi Jadhav from BE completed an Internship in Electrical Domain from Central Railway LocoWorkshop

Extra-Curricular Activities



In Outdoor Sphurti,

SE won Volleyball and secured 2nd place in Kabaddi.

TE won Football and Tug-of-War as well as secured 2nd place in Cricket.

BE were Runner-ups in Cricket and Dodgeball.



This year, VESIT Football team had a great run, and they bagged Runner Up trophy at Football tournament arranged by Vidyalankar Institute of Technology.

Following students of Electronics department were part of the team: Prathamesh Shukla (D16A), Soham Sakpal (D16A), Yuvraj Chauhan (D16B), Vilas Dhuri (D16A), Jugal Kahlon (D16A), Siddhant Easwar (D11A), Avadhoot Likhite (D11A), Aditya Suryawanshi (D11A), Atharvaa Sawant (D11B), Prabal Tripathi (D6B)

Volleyball team did not participate in any intercollegiate event since last 3 years. This year, after a lot of practice and hard-work, our Volleyball team represented VESIT at Volleyball tournament arranged by SPIT college, Andheri. Our team was qualified for Semi-finals.

Following students of Electronics Department were in the team:

1. Tanmay Kothale (D11B)
2. Suresh Hotwani (D6A)



Silver medal in 100mtr Hurdles event and Bronze medal in 100mtr Sprint event at State level athletics meet arranged at Balewadi, Pune

Bronze medal in both 100mtr sprint event and 110mtr hurdles event at West Zone athletics championship arranged at Rajasthan, India

Silver medal in 100mtr Sprint event at Mumbai University Athletic Tournament

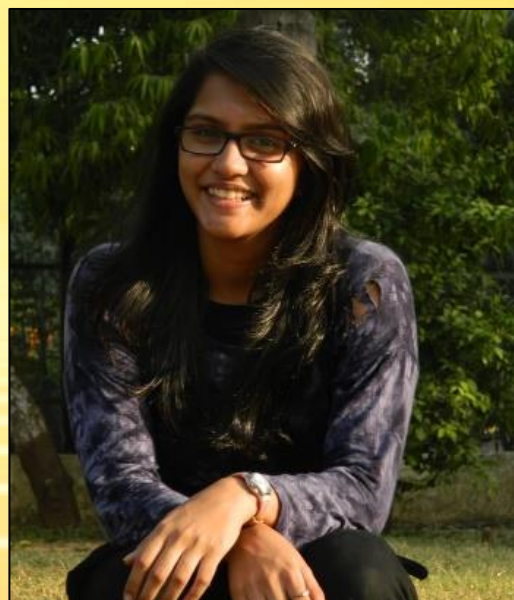
Silver medal in 100mtr Hurdles event and Bronze medal in 110mtr Hurdles event at RFYS Athletics meet arranged at Marine Lines, Mumbai

Gold medal in both 100mtr and 200mtr sprint event at Women's athletics championship arranged by Poincur Gymkhana, Kandivli

Gold medal in all 3 events namely 100mtr, 200mtr and 400mtr Sprint event arranged by KJSCE Skream Athletics Tournament



Nameria Shaikh



Archita Malgaonkar

Qualified for Pre-Quarter Finals at Mumbai University Tournament.

Secured 2nd Position in women's doubles category at Skream Badminton tournament arranged by KSJCE College, Mumbai.

Secured 2nd Position in women's doubles category at Enthusia Badminton tournament arranged by VJTI College, Mumbai.

Secured 1st Position in Women's singles category at Skream Badminton tournament arranged by KJSCE College, Mumbai.

Secured 3rd Position in Women's singles category at Enthusia Badminton tournament arranged by VJTI College, Mumbai.

Secured 2nd Position in Women's singles category at Badminton tournament arranged by Ruia College, Mumbai.

- Overall 4th Position in Mumbai University Table Tennis Tournaments. Qualified for Semi-finals.
- Qualified for Pre-Quarter Finals in Table Tennis Men's singles category.
- Runners Up position at Enthusia Table Tennis Tournaments arranged by VJTI college, Mumbai.
- First Position at SPoorthi Table Tennis Tournaments arranged by SPIT college, Mumbai.
- First position in Men's doubles category at KEM College.



Devesh Sety

Faculty In-Charge



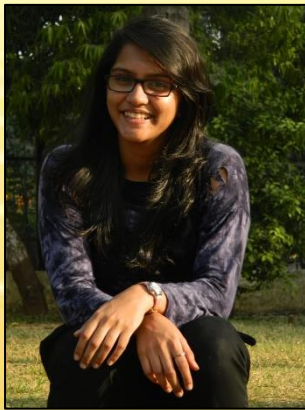
Mrs. Kavita Tewari
HOD



Mrs. Kavita Rathi
Asst. Prof.

Editorial

Student In-Charges



Archita
Malgaonkar, D6B



Varad Rane, D6B



Priti Prajapati,
D6B

Arise! Awake! And stop not until the goal is reached.

-Swami Vivekanand