



VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS

OCTOBER 2019

SILICON TODAY

Message from the Department



Dr. Rajani T. Mangala
Professor

“Successful and unsuccessful people do not vary greatly in their abilities. They vary in their desires to reach their potential.”

– John Maxwell

Knowing and believing in your own potential can be part of your journey to being successful. If you start to believe in yourself and your potential more, you can become more motivated to prove yourself.

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

A Mega Event “Student Solar Ambassador Workshop – 2019” organized by IIT MUMBAI at VESIT on 2nd October.



One week Workshop on Applications of Electronics on Automation Industry 8th July ,2019 to 13th July, 2019.

Department Contributions

- Workshops conducted by faculty
- Courses Attended
- Project Activities
- NPTEL Certification
- Industrial Visit
- Social Activities
- Paper Publications



Courses Attended by Faculty

- 'Power Electronics Orientation' attended by Mrs.Sarika Kuhikar
- 'Instrumentation System Design Orientation' attended by Mrs. Naveeta Kant.
- 'Embedded System /RTOS Orientation' attended by Mr.Abhishek Chaudhari.
- AICTE Approved STTP ON "Advanced Communication Technologies and Security Aspects" attended by Mrs.Anushree Prabhu at Shah and Anchor Kutchhi Engineering College.
- 'Basics of Python Programming' attended by Dr.Asawari Dudwadkar at Fr.Agnel College,Bandra.
- 'Mr.Sunil Khanna –MD VERTIV INDIA' attended by Mrs.Anushree Prabhu and Mr.Yogesh Pandit.
- 'MOODLE LEARNING MANAGEMENT SYSTEM' attended by Mr.Abhishek Chaudhari.

Project Activities

'Automated Multi-modal Biometric Identification System (AMBIS)' completed and deployed by Maharashtra Police by Dr.Parmeshwar Birajdar.

'Martian Landform segmentation Based on Structural Similarity' completed by Dr.Parmeshwar Birajdar , Mr.Abhijit Shete and Mr.Yogesh Pandit



NPTEL Certification

- Mrs.Amrita Jhaveri , Mrs.dipti Karani and Mr.Abhishek Chaudhari has completed NPTEL course on 'CMOS VLSI Design'.
- Mrs.Amrita Jhaveri , Mrs.Dipti Karani and Mrs.Sarika Kuhikar has completed NPTEL course on 'Qualitative Research'.
- Mrs.Sarika Kuhikar and Dr.Rajani Mangala has completed NPTEL course on 'Internet of Things'.
- Mr.Abhishek Chaudhari has completed NPTEL course on 'Design Thinking- a primer'.
- Mrs.Rakhi Jadhav has completed NPTEL course on 'Research Methodolgy'.

Industrial Visit

Venue: Bangalore and Mysore

Faculty: Dr.Asawari
Dudwadkar, Mrs.Rakhi Jadhav
and Mr.Abhijit Shete.

Number of Students: 87

Industries Visited:

- HAL heritage centre and Aerospace Museum.
- JVS Electronics.



Social Activities under Unnat Bharat Abhiyan



Village Visited: Aapti

Date: 30th September 2019

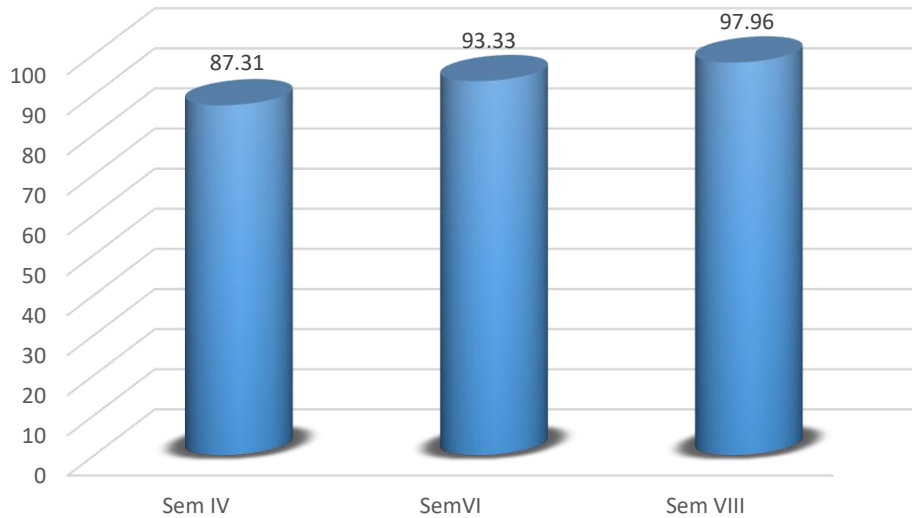
Name of Faculty: Mr Abhay Kshirsagar,
Mr Yogesh Pandit

Name of Students: Parth Kharkar,
Bhairavi Chavan. Sudhanshu Karwa

7 papers were published in International
Journal and Conference.

Results

Electronics Engineering Even Sem Results



- Sudipta Dinda secured first rank in 4th year with CGPA 10.00
- Manali Jambavalikar secured second rank in 4th year with CGPA 9.51
- Hemant Wakchaure secured third rank in 4th year with CGPA 9.43
- Abin Nair secured first rank in 3rd year with CGPA 9.68
- Isha Nair secured second rank in 3rd year with CGPA 9.68
- Yash Patil secured third rank in 3rd year with CGPA 9.64
- Suryawanshi Aditya secured first rank in 2nd year with CGPA 10.00
- Yogesh Tembe secured first rank in 2nd year 10.00
- Nidhi Jain secured second rank in 2nd year with CGPA 9.83
- Sonali Bhalerao secured third rank in 2nd year with CGPA 9.79

Student Activities

- Results
- Higher Studies
- Workshops Conducted
- SEL
- Internships
- Publications
- Co-Curricular and Extra Curricular Activities

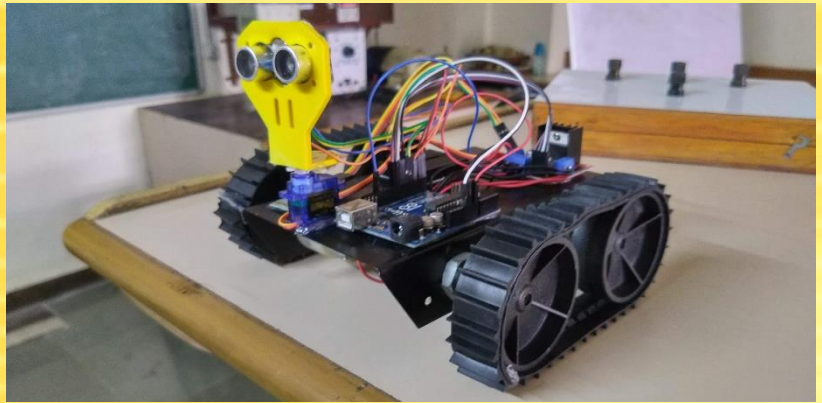
Higher Studies



A total of 14 students pursued Higher Studies to a lot of Universities like the NYU, University of Colorado Boulder, Arizona State University, University of Glasgow, Portland state University, University of South Carolina, University of Pennsylvania, North-eastern University

Workshops Conducted

2nd and 3rd year students organized a Pre-Praxis Workshop for 1st and 2nd year students to learn about the basics of Arduino and Programming in a Practical based Environment under the guidance of Mr. Abhishek Chaudhari. The students used the same bots to participate in the college's biggest tech event, Praxis.



Students of Tinkerer's Lab conducted a workshop for "Embedded C" in which 3rd year students were taught about the fundamentals of Embedded C which were taught by 4th year students.

Skill Enhancement Lecture

'IT Act 2000 and Cyber Security Laws in India' by Advocate Vicky Shah, on 10th August, 2019 for 3rd year students

"Eligibility, Employability, and Resume Building" for 2nd year students by TPO VESIT by Prof. A. Nagananda

Internships

Total 30 students attended internships in following companies at BARC, BPCL, NPCIL Reliance Pvt Limited, Innovations Tech, Trivia Software and PLA Electronics.

Papers Published/Presented

1. "R-Pi based Real-time Weather Monitoring System "Lairai Karnik, Zoheb Shaikh, Rahul Harmalkar, Meenal Nagrecha in International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 06 Issue: 06 June 2019 www.irjet.net p-ISSN: 2395-

2. "Water Quality Monitoring using IoT "Bharati Sengupta, Soham Sawant, Mayuresh Dhanawade, Shubham Bhosale, Mrs. Anushree Prabhu in International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 06 Issue: 06 June 2019

3. "Android Based 2-D CNC machine with IoT Enabled Capabilities", Omkar Tulaskar, Varad Tole, Abhigya Upadhyay, Harish Yadav, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering



4. "Raspberry-Pi based Smart Power Monitoring system", Narendra Walawalkar, Harish Yadav, Shrutisneha Prasad, Prajakta Paranjape, International Conference on Communication and Electronics Systems (ICCES 2019)

5. "Smart Waste Treatment plant using IoT" Manas Maskar, Gopal Patkar, Bhagyashree Brahmankar at SAKEC, Chembur Mumbai.

6. "Nanoelectromechanical Systems" Sakthivel Nadar, Varun Gokhale, Shlok Jaguste at SAKEC, Chembur Mumbai.

Co-curricular & Extra Curricular Activities

During this year's Praxis 3 events were hosted and prizes worth 10,000 were distributed to Winners and Runner-ups



SPORTS: Nameira Shaikh (D11B) has participated in various State and National Athletics Championships.

Some of her achievements:

1. She secured 2nd rank in 100m Hurdles event and 3rd rank at 10m running event at State Level Athletics competition at Balewadi, Pune on 23rd and 24th August, 2019
2. She secured 3rd position in 100m Hurdles event and 3rd position in 100m running event at West Zone Athletics Championship at Rajasthan on 10th and 11th September 2019
3. She secured 2nd rank in 100m Hurdles event and 3rd rank in 100m running event at University Level Athletics Meet on 8th and 9th November 2019
4. She secured 2nd rank in 100m Hurdles event and 3rd rank in 100m event at Reliance Foundation Youth Sports Athletics Meet

Faculty In-Charge



Mrs. Kavita Tiwari



Mrs. Kavita Rathi

Editorial

Student In-Charges



Varad Rane, D6B



Archita
Malgaonkar, D6B



Priti Prajapati,
D6B

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

-Swami Vivekanand