



Vivekanand Education Society  
Institute of Technology

Hashu Adwani Memorial Complex, Collector's Colony, Chembur, Mumbai, Maharashtra 400074

# SILICON TODAY



**Department  
of  
Electronics and Computer Science**

July 2024

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# VISION AND MISSION

## VISION

To produce globally competent and socially responsible engineers capable of independently solving problems with a sound knowledge of engineering in Electronics and Computer Science.

## MISSION

- To prepare students in the field of engineering in Electronics and Computer Science for lifelong learning.
- To develop professionals who can think critically and provide cost-effective solutions to solve local and global issues using knowledge of Electronics and Computer Science.
- To inculcate a sense of being job providers than job seekers with due consideration to ethical and social values.

# MESSAGE FROM THE DEPARTMENT

Dear Students,

As you progress in your journey within the department, remember that success is not merely a product of intelligence but a result of sincerity, dedication, and persistent effort. Swami Vivekananda wisely said, "Arise, awake, and stop not till the goal is reached." Your aspirations will become reality only when you work with proper planning, consistency, and a clear sense of direction.

While academic excellence is essential, true success lies in being an all-rounder. Strive to maintain a balance between studies and co-curricular or extracurricular activities. Engage actively in competitions, technical fests, and innovation challenges. The skills you develop today will shape your future. Stay informed about various opportunities, participate in research projects, hackathons, and skill-building programs, and keep yourself updated with the latest advancements in technology and industry trends.

Hard work without a clear path can lead to wasted effort. Plan effectively, stay disciplined, and seek guidance whenever necessary.

Stay dedicated to your goals with unwavering determination, and success will follow. The future belongs to those who commit to continuous learning and persistent effort!

Best wishes,  
Mrs. Amrita Jhaveri



**Mrs. Amrita Jhaveri**

# FACULTY CONTRIBUTION

WORKSHOPS / COURSES / SESSION  
ATTENDED / CONDUCTED / ORGANIZED  
BY FACULTY

**Dr.Naveeta Kant**, ISTE approved  
Self-Financing Faculty  
Development Program on Gen AI

**Dr.Rajani Mangala**, ISTE  
approved Self-Financing  
Faculty Development Program  
on Gen AI

**Mr.Yogesh Pandit** , IEEE approved  
capacity building program on  
“Visualizing Geo-Spatiality for  
Techno scientific Applications”

**Dr.Rajani Mangala**, ISTE Approved  
One Week STTP On “SecureBloc: A  
Hands-On Journey into  
Cybersecurity and Blockchain”

**Mrs.Amrita Jhaveri** , National  
Conference on data Science for  
Climate resilience

# PLACEMENTS

## GENERAL SUMMARY OF PLACEMENT STATISTICS AND TRENDS

Swagelok

Atharva Godkar  
CTC : 5.5 LPA



Johnson Controls

Vedant Pawar  
CTC : 5 LPA



Johnson Controls

Yash Kurade  
CTC : 5 LPA



Johnson Controls

Vansh Dhoka  
CTC : 5 LPA



tcs TATA CONSULTANCY SERVICES

Vedant Thakur  
CTC : 3.45 LPA



tcs TATA CONSULTANCY SERVICES

Ratan Poojari  
CTC : 3.45 LPA



# PLACEMENTS

## GENERAL SUMMARY OF PLACEMENT STATISTICS AND TRENDS



Mitalee Shirsat  
CTC : 3.45 LPA



Siddharth Suyal  
Stipend : 15k



Gaurang Rane  
Stipend : 15k

# RESEARCH ACTIVITIES

## Research Papers published by the faculty

- 1 **Mr. Yogesh Pandit**, "Comparative analysis of Machine learning models for detecting Abnormal Driving behavior in Two wheeler Kinematics", Advances in non linear Variational Inequalities
- 2 **Mr. Yogesh Pandit**, "Behaviour Analysis of Two Wheeler Driver ADAS for reduction of Road Fatality", Panamerican Mathematical Journal

## Research Grants

- 1 **Dr. Jaymala Adsul**, Development Of ASICs Or SOCs For Programmable Gain Amplifier And Reconfigurable ADC For Wide Range Of Applications, 82.59 Lakhs
- 2 **Mr. Yogesh Pandit**, Artificial Intelligence based Smart Driver Assistant for Reduction of Road Fatality, 10 Lakhs

# PLACEMENTS ACTIVITIES

## ACTIVITIES RELATED TO PLACEMENTS

- 1 Object Oriented Programming (Finishing school Day - 1) by Mrs. Indira Bhattacharya, Assistant Professor MCA Department (D16)
- 2 Computer Communication and Networks (Finishing school Day - 2) by Dr. Rajani Mangla, Professor, ECS Department (D16)
- 3 Data Structures - 1 (Finishing school Day - 3) by Mrs. Sangeeta Oswal, Assistant Professor, AI & DS Department (D16)
- 4 Data Structures - 2 (Finishing school Day - 4) by Mrs. Kajal Jewani, Assistant Professor, INFT
- 5 Database Management System (Finishing school Day - 5) by Mr. Gaurav Tawde, Assistant Professor, EXTC

# PLACEMENTS ACTIVITIES

## ACTIVITIES RELATED TO PLACEMENTS

- 6 Alumni Interaction (Finishing school Day - 6) by Mr. Vighnesh Joshi, Ms. Aditi Jamwal, Mr. Shlok Jaguste
- 7 Discrete Structures (Finishing School Day - 7) by Mrs Lifna CMPN
- 8 Eligibility, Employability and Resume Building by Prof A. Nagananda, TPO, VESIT
- 9 Resume and Skill Set Analysis by Prof A. Nagananda TPO, VESIT
- 10 Skill Up (Coding Competition Platforms, Aptitude , Soft Skills, Interview Prep tools) Mrs. Sarika Kuhikar Assistant Professor, Mrs. Amrita Jhaveri, Assistant Professor, ECS

# STUDENTS CORNER

## WORKSHOPS AND COMPETITIONS ORGANIZED FOR STUDENTS

### 1 TECH BOOTCAMP

As part of VESIT's Ruby Jubilee celebration, the Department of Electronics and Computer Science organized a six-day Tech Bootcamp from July 15, 2024 to 20<sup>th</sup> July 2024, for 45 participants from Second and Third Year ETCS department. The workshop offered hands-on sessions on GitHub, Flutter app development, web development using HTML, CSS, and JavaScript, IoT with SQL integration, and machine learning with a practical regression exercise. The final day featured a session on technical paper writing by alumnus Mr. Malhar Chaudhari, followed by an image processing workshop using OpenCV. The bootcamp successfully equipped students with practical skills and real-world tech exposure.



# STUDENTS CORNER

2

## POSTER COMPETITION

The Department of Electronics and Computer Science Engineering, in association with the VESIT Institution's Innovation Council and Internal Quality Assurance Cell, organized a Poster Presentation Competition on 12th August 2024 for students across all years. A total of 48 teams participated—17 each from Second and Third Year, and 14 from Fourth Year—each guided by a faculty mentor. The event began with an orientation on poster formatting by IIC coordinators Dr. Rajani Mangala and Dr. Asawari Dudwadkar. A panel of 13 expert judges from various engineering departments evaluated the presentations, engaging in insightful Q&A sessions and providing constructive feedback. The event highlighted a week's worth of student research on diverse science and technology topics, concluding with the recognition of the top three teams from each year for their innovation and creativity.



# STUDENTS CORNER

## INTERNSHIPS BY STUDENTS

- 1 ADITYA SAWANT:** Completed internship at Bhabha Atomic Research Centre (B.A.R.C)
- 2 GAURI KURMUDE:** Completed internship at Physical Acoustics India Pvt Ltd
- 3 RUJUL SALUNKHE:** Completed internship at Reliance Industries Limited
- 4 PURVI PRASAD :** Completed internship at Bhabha Atomic Research Centre (B.A.R.C)
- 5 VANSH HITESH DHOKA:** Completed internship at IMA-PG India Pvt. Ltd.
- 6 SANSKAR AGARWAL:** Completed internship at ISA-VESIT
- 7 BINAYAK BHATTACHARJEE :** Completed internship at SMAK Tech

# STUDENTS CORNER

## INTERNSHIPS BY STUDENTS

- 8 **CHAITANYA SHANKAR:** Verilog and FGPA Internship at VESIT
- 9 **VISHAKHA JANGALE:** Verilog and FGPA Internship at VESIT
- 10 **MAYURI JOSHI:** Verilog and FGPA Internship at VESIT
- 11 **YAGNESH JOGI:** Verilog and FGPA Internship at VESIT
- 12 **VIKAS PAWAR:** Verilog and FGPA Internship at VESIT
- 13 **ATHARV KULKARNI:** Verilog and FGPA Internship at VESIT
- 14 **SAMARTH KHAVEKAR:** Verilog and FGPA Internship at VESIT
- 15 **CHINMAY NAHAR:** Verilog and FGPA Internship at VESIT
- 16 **APOORVA GHYARE:** Verilog and FGPA Internship at VESIT
- 17 **SANIKA TAYWADE:** Verilog and FGPA Internship at VESIT
- 18 **MEENAAKSHI :** Verilog and FGPA Internship at VESIT

# STUDENTS CORNER

## INTERNSHIPS BY STUDENTS

- 19 **VINAY YADAV:** Verilog and FPGA Internship at VESIT
- 20 **JOANNA SANJU:** Associate Intern at Anyssured Services Private Limited
- 21 **SRUSHTI PAWAR:** CTO at VSL Initiative

## INDUSTRIAL VISIT

On **2nd August 2024**, 51 students and 4 faculty members from the Department of Electronics and Computer Science Engineering visited the **BSNL Satellite Earth Centre, Yeur**. The session began with an engaging lecture by Mr. Patil, who explained **satellite communication fundamentals**, including satellite types (LEO, MEO, GEO), uplink/downlink frequencies, and the C-band spectrum.



Students explored the signal transmission process and learned about antennas linked to GSAT-18, GSAT-16, and IPSTAR. Divided into batches, students toured the control room, server room, and observed key systems like VSAT, IP-star antennas, and historical non-operational antennas used during the 2004 Chennai floods. The team also learned about data transmission, encoding/decoding processes, and visited the Network Monitoring Station. The visit concluded with a feedback session, offering students valuable insights into real-world satellite communication systems.

# STUDENT ACHIEVEMENTS

## CLASS DIEC

EVENT NAME: Meme Challenge (Prarambh'24)

ORGANISED BY: CULTURAL COUNCIL VESIT

ACHIEVEMENT: WINNER



## CLASS DIEC

EVENT NAME: Lady/Lord Whistledown (Prarambh'24)

ORGANISED BY: CULTURAL COUNCIL VESIT

ACHIEVEMENT: WINNER

## CLASS DIEC

EVENT NAME: Moodboard(Prarambh'24)

ORGANISED BY: CULTURAL COUNCIL VESIT

ACHIEVEMENT: 3<sup>rd</sup> Prize



## CLASS DIEC

EVENT NAME: Art Masquerade(Prarambh'24)

ORGANISED BY: CULTURAL COUNCIL VESIT

ACHIEVEMENT: 3<sup>rd</sup> Prize

# STUDENT ACHIEVEMENTS

**DEVENDRA GAWADE (D16) and team**  
**EVENT NAME: VES-HACK-IT (2025)**  
**ORGANISED BY: VESIT**  
**ACHIEVEMENT: WINNER**



**DEVENDRA GAWADE (D16) and team**  
**EVENT NAME: HACK TO CRACK 2.0**  
**ORGANISED BY: ViMEET**  
**ACHIEVEMENT: WINNER**



**DEVENDRA GAWADE (D16) and team**  
**EVENT NAME: TECH-A-THON 25'**  
**ORGANISED BY: TSEC**  
**ACHIEVEMENT: 3<sup>rd</sup> Prize**



**DEVENDRA GAWADE (D16) and team**  
**EVENT NAME: Knowcode 2.0**  
**ORGANISED BY: Society for Data Science**  
**ACHIEVEMENT: 3<sup>rd</sup> Prize**



# STUDENT ACHIEVEMENTS

**Atharva Phadtare & Rohan Khamitkar (D11)**  
**EVENT NAME:** Mindshift Solutions at HABITia  
**ORGANISED BY:** VESIM  
**ACHIEVEMENT:** 2<sup>nd</sup> Prize



**Arnav Nadkarni, Vishwajeet Panaskar,  
Vinayak Panchal, Tejas Patil (D11)**  
**EVENT NAME:** The Product Expert'24  
**ORGANISED BY:** BookMyMentor  
**ACHIEVEMENT:** WINNER



**PURVA PRASAD (D11)**  
**EVENT NAME:** Codecell DSA Contest  
**ORGANISED BY:** VESIT  
**ACHIEVEMENT:** 3<sup>rd</sup> Prize



**DEVENDRA GAWADE (D16) and team**  
**EVENT NAME:** Knowcode 2.0  
**ORGANISED BY:** Society for Data Science  
**ACHIEVEMENT:** 3<sup>rd</sup> Prize

# STUDENT ACHIEVEMENTS

**KAMYA GUPTA (D6)**

**EVENT NAME:** International Essay Writing Competition

**ORGANISED BY:** Royal Commonwealth Society

**ACHIEVEMENT:** 3<sup>rd</sup> Prize



**KAMYA GUPTA & MAYURI JOSHI (D6)**

**EVENT NAME:** Heritage Quiz Competition Jeopardy

**ORGANISED BY:** VESLit

**ACHIEVEMENT:** 2<sup>nd</sup> Prize

**KAMYA GUPTA (D6)**

**EVENT NAME:** Confluence of Cultures

**ORGANISED BY:** UBI×NSS×VESLit

**ACHIEVEMENT:** WINNER



**KAMYA GUPTA (D6)**

**EVENT NAME:** NSS Residential Camp

**ORGANISED BY:** NSS

**ACHIEVEMENT:** Best Female Volunteer 2025



# STUDENT ACHIEVEMENTS

## KAMYA GUPTA (D6)

Represented the State of Maharashtra at the Viksit Bharat Young Leaders Dialogue held at Bharat Mandapam



## SANIKA TAYWADE

EVENT NAME: Table tennis girls single  
ORGANISED BY: SPORTS COUNCIL  
ACHIEVEMENT: 2<sup>nd</sup> Prize

## D6 GIRLS

EVENT NAME: Carrom Singles  
ORGANISED BY: SPORTS COUNCIL  
ACHIEVEMENT: 2<sup>nd</sup> Prize



## D6 GIRLS

EVENT NAME: Futsal  
ORGANISED BY: SPORTS COUNCIL  
ACHIEVEMENT: WINNER

# STUDENT ACHIEVEMENTS

**OM LOKEGAONKAR**

**EVENT NAME: MSDAA (mens open)**

**ORGANISED BY: MAHARASHTRA**

**ACHIEVMENT: 200m - Bronze**



**OM LOKEGAONKAR**

**EVENT NAME: PRIYADARSHINI ATHLETICS**

**Venue- PRIYADARSHINI park**

**ACHIEVEMENT: 100m - Bronze**

**200m - Silver**

**Relay - Gold**



**OM LOKEGAONKAR**

**EVENT NAME: MSDAA (under23)**

**Venue- Kandivali, Sai ground**

**ACHIEVEMENT: 200m - Silver**

**100m - Gold**



**OM LOKEGAONKAR**

**EVENT NAME: MUMBAI UNIVERSITY (zone-1)**

**VENUE: University ground (marine lines)**

**ACHIEVEMENT: 200m - Bronze**

**100m - Bronze**



# STUDENT ACHIEVEMENTS

**OM LOKEGAONKAR**  
**EVENT NAME: MSA U23 STATES**  
**ACHIEVMENT: Finished 6<sup>th</sup> in FINALS**



**OM LOKEGAONKAR**  
**EVENT NAME: YMCA OPEN STATES 2024**  
**ACHIEVEMENT: 4 x 100 m Relay - Bronze**

# CREATIVE MINDS



SHRUTI THAKARE  
FROM CLASS D6



SAISH MHASKAR  
FROM CLASS DIEC



HIYA DHARWANI  
FROM CLASS DIEC

# CREATIVE MINDS



TEJAS DABHOLKAR  
FROM D16



ADITI JADHAV  
FROM CLASS D6



JANHAVI KELKAR  
FROM CLASS DIEC

# FACULTY INCHARGES



Head of Department  
Dr. Kavita Tewari



Assistant Professor  
Dr. Jayamala Adsul

# STUDENT INCHARGES



Joanna Sanju



Harsh Kapse



Shruti Thakare



Anshul Patil