VIDYAVARDHINI'S COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTER ENGINEERING

BYTE WALL

SMART BUILDINGS POWERED BY IOT



Engineers are developing new technologies that combine sensors, energy harvesting, connected devices, and edge computing to make buildings smarter and more energy efficient. These systems can monitor building conditions and process data closer to where it is generated, allowing faster responses and reducing unnecessary energy consumption. Such technologies can also help improve building safety, comfort, and resource management. As more devices become connected, engineers are also focusing on privacy and cybersecurity. These developments could transform how future homes, offices, and industrial buildings are designed and operated.

Zeal '26



SHREYA AND KARTIK FROM BE COMPS WON FIRST PRIZE IN HIHOP DANCE.



TE COMPS FOR WINNING SECOND POSITION (RUNNER UP!) AT ZEAL'26 IN GROUP DANCE COMPETITION.



POORVA JAWALE FROM SE COMPS SECURED 2ND POSITION IN SOLO DANCE AT ZEAL 2026.



SIDDHESH VAISHNAV WON THE DUET SINGING COMPETITION.

Technical Events



PRASHANT DHURI, AYUSH CHOUDHAR, AND RITESH BHARAT FROM TE-1, WON 1ST PRIZE IN VIBEATHON HELD AT TECHBLITZ 2026, VCET.



SAKSHI BHANGADE, ANISCA JHA, PRANALI BANNE AND SIDDHI BHOSALE FROM TE-1, WON RUNNER UP PRIZE HELD AT HORIZON 1.0 BY IEDC ON CAMPUS, VCET



ROHIT MALI FROM TE COMPS 1 FOR SECURING FIRST POSITION IN UIUX DOMAIN OF TECHBLITZ'26 ORGANIZED BY VCET IEDC

Extra curricular



POORVA JAWALE FROM TE3 FOR SECURING 2ND POSITION IN THE ALL-INDIA NON COMMUNITY WORKFLOW SHOWCASE!



VIDHI MALI SIDDHI MORAJKAR, AND POOJA KATHOD FROM TE COMPS SECURED 3RD POSITION IN THE INNOVEX4.0 HACKATHON HELD AT 'ST. JOHN COLLEGE OF ENGINEERING.



PARTH RAUT FROM BE COMPS FOR GETTING 2ND PRIZE IN LITERATI MARATHI KAVI SAMMELAN 2026!

UNDERWATER KITES: A NEW WAY TO GENERATE TIDAL POWER



Engineers are developing underwater kite-like systems that generate electricity from slow-moving tidal currents. The devices move through underwater currents in controlled patterns, allowing them to capture energy that would otherwise be difficult to use. Unlike traditional large tidal structures, these systems could be deployed in areas where conventional tidal power is not practical. The technology could provide renewable electricity for coastal and remote communities while reducing dependence on fossil fuels. It represents an innovative approach to harvesting clean energy from natural ocean movement.

UNDERGROUND HYDROGEN: A NEW CLEAN ENERGY ROUTE



Researchers and engineers are developing a new method for producing clean hydrogen using powerful electrical discharges beneath the ground. The technology uses underground rock formations and electrical energy to help generate hydrogen, offering a potential alternative to conventional production methods. If developed at scale, this approach could provide a cleaner source of fuel for transportation, industry, and energy storage. It represents an interesting combination of electrical, geological, and energy engineering.

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Articles submitted by

Rashid Khan
Sneha Sankpal
Aakanksha Ratate
Khushi Rajput
Kalyani Rane
Manashree Vaidya
Shruti Shendge

Ic3et



YASH KHOT, DAKSHITH SHETTY, PRAYAS PANDEY, SACHIN RATHOD WON IEEE BEST PAPER AWARD FOR THE TOPIC – GRAPH NEURAL NETWORK-BASED MOLECULAR GENERATION AND PROPERTY PREDICTION FOR DRUGS

VIDYAVARDHINI'S COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTER ENGINEERING

Faculty Advisor
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Karan Yadav
Purva Thakkar

BE Members
Sneha Sankpal
Aakanksha Ratate
Khushi Rajput
Kalyani Rane
Manashree Vaidya
Shruti Shendge
Rashid Khan

OPTICAL SENSOR DETECTS DEFECTS



Researchers at DGIST have developed a miniature optical ultrasonic sensor that can detect ultrasonic waves through the air without requiring direct contact or gel. The sensor uses semiconductor fabrication techniques to achieve extremely high sensitivity while remaining smaller than a human hair. It could be used for non-destructive testing of sensitive components such as semiconductor wafers and batteries. The technology may help engineers detect defects without damaging the materials being inspected. This innovation combines semiconductor engineering, optics, and sensor technology to create a new approach to precision industrial inspection.

GOOGLE'S SCIENCE ONE: AI FOR RELIABLE RESEARCH



Google Research introduced the Science One Framework in July 2026, a new AI-based approach designed to make scientific research more reliable and verifiable. The framework uses Natural Language Processing and a Chain-of-Evidence approach to connect research claims with supporting evidence. It can help AI systems analyze scientific information, build evidence chains, and verify research findings. This innovation combines NLP, AI agents, and automated research to support faster and more trustworthy scientific discovery.

Sports



1ST PLACE IN
ROPE MALLAKHAMB, POLE MALLAKHAMB,
ALL – ROUND CHAMPIONSHIP AND TEAM CHAPIONSHIP



ZEEL JAIN FROM SE1 COMPS SECURED
2ND PLACE IN SHOTPUT , 3RD PLACE IN 800M RUNNING,
3RD PLACE IN 200M RUNNING AT SOCIONS DOLPHIS-IT ROCKS
COLLEGE OF COMMERCE, SCIENCE AND LAW.



YASH CHAVAN FROM BE COMPS WON 3RD PRIZE
IN RUBIK'S CUBE COMPETITION 2025
ORGANIZED BY VASAI BALA-KRIDA,
YOUNG STARS.

Technical Events



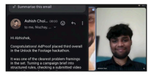
RITESH JADHAV, NEHA GUPTA, NAYANK KALODE OF TE-1 SECURED 2ND PLACE IN THE SUSTAINABILITY DOMAIN AND OVERALL 4TH PLACE AT EMT PRAGATI 2.0 BUILD-IT ON HELD AT THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY.



RAJ BHATIYA, ADITYA CHAUDHARI, ANKUR BODKE, PRANALI BANNE FROM BE COMPS WON 4TH POSITION IN IDEA 2.0 HACKTHON ORGANIZED BY UNION BANK OF INDIA IN ASSOCIATION WITH SIMATS ENGINEERING



SOHAM SATISH SAWANT, SOHAM SAVE, YASH VALVI, SHREYASH SHIVHARE, AND GAURAV SARAGE FROM BE COMPS ON SECURING 1ST POSITION AT THE TCS TECHNOLOGY DAY HACKATHON!



ABHISHEK TIWARI FROM BE COMPS SECURED 3RD PLACE IN 'UNLOCK THE FOOTAGE,' A INTERNATIONAL ONLINE HACKATHON ORGANISED BY VIDEOBB (ONE OF THE FASTEST GROWING VIDEO INFRASTRUCTURE FOR AI COMPANIES)

Avahan '26



COMPS WON A GOLD MEDAL IN DEPARTMENTAL FOOTBALL



TANVI PATIL AND ANKITA KAI FROM TE2 COMPS WON GOLD MEDAL IN WOMEN CARROM DOUBLES.



ATHARVA CHAVHAN FROM B.E COMPS WON GOLD MEDAL IN TABLE TENNIS SINGLES .



COMPS GIRLS WON SILVER IN THROWBALL .

GPT-6 ASTRA: A NEW GENERATION OF AI



OpenAI introduced GPT-6 Astra on September 3, 2026, as a new generation of AI designed for complex, multi-step work. Astra combines advanced reasoning with computer use, browsing, coding, research, and professional tasks. It can create documents, spreadsheets and presentations, conduct research, analyze scientific information, and interact with computer applications. Its ability to understand instructions and complete tasks from start to finish represents a major development in modern AI and intelligent computer systems.

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