



VIDYAVARDHINI'S COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTER ENGINEERING



AI Transforming Weather Forecasting



Artificial Intelligence is improving weather forecasting by making predictions faster and more accurate. It can analyze large amounts of data quickly, helping scientists understand weather patterns better. AI models trained on past data can predict disasters like storms and floods earlier, allowing better preparation and safety. These systems can also find patterns that humans may miss. However, AI works alongside meteorologists rather than replacing them. Human expertise is still important for accurate decisions. With rising climate challenges, AI is becoming an essential tool for safer and smarter weather forecasting.

Extra curricular



YASH CHAVAN SECURED 3RD RUNNER-UP POSITION AT TECHFEST 2023 - BY COET/TECHFEST

MS. POORVA JARWALE FROM BE COMPS EAST WON 1ST PRIZE IN THE MISS VASA 2023 PAGEANT NOW ORGANIZED BY VASA KALA KEDIA AND YOUNG STARS AND HAVE BEEN CHOSEN MISS VASA 2023.

ANJALI GUPTA SECURED 3RD RUNNER-UP POSITION AT TECHFEST 2023 - BY COET/TECHFEST

Arahan '26



COMPS WON A GOLD MEDAL IN DEPARTMENTAL FOOTBALL

TANVI PATEL AND NITIKA RAI FROM TEE COMPS WON GOLD MEDAL IN WOMEN CARROM DOUBLES.

ATHARVA CHAVAN FROM BE COMPS WON GOLD MEDAL IN TABLE TENNIS SINGLES.

COMPS GIRLS WON SILVER IN THROBALL.

Technical Events



KARAN PARWAR, RAJ PENDKALAKAR, ARHAY PADGANKAR, SAHIL NIKHARDEAR FROM TEE COMPS SECURED 3RD RUNNER-UP IN REBART 2023 AT SARADAR PATEL INSTITUTE OF TECHNOLOGY (SPT).

KARAN PARWAR, RAJ PENDKALAKAR, SHARVARI PATEL, NITIKA RAI FROM TEE COMPS WON GRANDSAR 4.0 ORGANIZED BY VASANTHARATHA PATEL PRATHOYAN'S COLLEGE OF ENGINEERING.

ARHAY PADGANKAR, SEJAN WADHANE AND NITIKA PIVALE FROM TEE COMPS WON 1ST PLACE REE HACKDOCK 2.0 HACKATHON AT IN ATHARVA UNIVERSITY IN THE AML DONOR.

YASH CHAVAN, ANJALI GUPTA, SARA SHIVALE AND NITIKA RATHOR SECURED 1ST PLACE IN THE WEB DONOR, AT HACKFUSION 2023 INTERNATIONAL HACKATHON IN SPT.

Neural Rendering: Redefining Digital Reality



Neural rendering uses artificial intelligence to create hyper-realistic digital environments, replacing traditional graphics methods. Through neural computation and shading, it enhances lighting, textures, and character realism while maintaining high performance. Unlike conventional rendering, it adapts dynamically to user interactions in real time. Applications include gaming, film production, digital twins, immersive education, and simulations. By shifting from manual design to intelligent generation, neural rendering accelerates production and delivers deeper realism, transforming digital creativity across multiple industries.

Humanoid Robots: AI in Physical Form



Humanoid robots powered by AI are becoming more realistic and capable across industries. In 2026, companies are developing robots that can walk, speak, recognize objects, and perform human-like tasks in factories, hospitals, warehouses, and homes. Using advanced sensors, computer vision, and machine learning, these robots analyze surroundings and respond in real time. Their natural interaction abilities make them suitable for customer service, caregiving, and hazardous environments. As costs decline and technology advances, humanoid robots are expected to reshape industries and redefine the global future of work.

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Icset



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

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AI Agents: The Future of Smart Technology




Artificial Intelligence is evolving with the rise of AI agents systems that can think and perform tasks independently. Unlike traditional AI, they can handle complex activities without constant human input. In 2026, companies are using AI agents to improve productivity. They can analyze data, make decisions, and complete tasks quickly, transforming industries like healthcare, finance, and customer service. However, their growth raises concerns about trust, control, and job loss. Experts stress the need for responsible use. AI agents are becoming digital assistants that help people work smarter in a fast-changing world.

AI-Powered Cybersecurity Systems



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Zeal '26



SHREYA AND KANITH FROM BE COMPS WON FIRST PRIZE IN GROUP DANCE.

TEE COMPS' FOUR WINNERS SECURED POSITION (WINNER UP) AT ZEAL'26 IN GROUP DANCE COMPETITION.

POORVA JARWALE FROM BE COMPS SECURED 2ND POSITION IN SOLO DANCE AT ZEAL 2026.

SOUSHIL VADHAWAY WON THE DUET SINGING COMPETITION.

Extra curricular



SUREEKANSHI SHINDE, VIDYANT DUDHAR, ANUSHKA YADAV, SAHIL SIKHAR FROM TEE COMPS WON THE GRAND NARRATIVE COMPETITION AT V-ECOSYSTEM '24.

PARTH RAOY FROM TEE COMPS WON THE EXTENSIVE COMPETITION AT LITFEST 2024.

SHARVARI PATEL FROM TEE COMPS SECURED 2ND RUNNER-UP POSITION IN THE BOOK REVIEW COMPETITION HELD AT SPT.

SINHAH SARANYA, NIVILA SHIVANE, VIDYANVA PETHANE, NARESH PATEL, FROM TEAM VARTIKA SECURED 2ND PLACE IN THE FASTEST LINE FOLLOWING COMPETITION AT THEIR COLLEGE OF ENGINEERING.

Sports



1ST PLACE IN ROPE MALLARANGAM, PILE MALLARANGAM, ALL - ROUND CHAMPIONSHIP AND TEAM CHAMPIONSHIP

ZEEL JAIN FROM BE COMPS SECURED 2ND PLACE IN SHOOTPT, 3RD PLACE IN NON HURDLE, 3RD PLACE IN 200M HURDLE AT DOORWAY TO SUCCESS COLLEGE OF COMMERCE, SCIENCE AND LAW.

YASH CHAVAN FROM BE COMPS WON 3RD PRIZE IN HURDLE GOLF COMPETITION 2023 ORGANIZED BY VASAI KALA-ORGA, YOUNG STARS.

Solid-State Batteries: The Energy Revolution



QuantumScape demonstrated solid-state battery technology in a real electric vehicle prototype, marking a major milestone. Unlike traditional lithium-ion batteries that use liquid electrolytes, solid-state batteries rely on solid materials, improving safety and performance. They offer higher energy density, longer driving range, faster charging, and better thermal stability. Reduced fire risk and enhanced durability make them more reliable for electric mobility. This breakthrough signals readiness for commercial scaling and represents a transformative step toward safer, more efficient, and sustainable energy systems worldwide.

BYTE WALL