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MONTHLY NEWSLETTER



ADARSH INSTITUTE
OF TECHNOLOGY & RESEARCH CENTRE, VITA(ENGG.)

THE INFORMANT



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EDITORIAL CHIEF-

Dr. P.S.Patil, Principal
Prof. T. S. Patil,
Chief Editor

EDITORIAL COMMITTEE-

Departmental Newsletter
Co-ordinators



ENGINEERING WING

Vision

To be the benchmarked Institute of excellence in technical education and research, committed to deliver competent human resource for prosperity and well being of the society.

Mission

- To impart the state of art technical education for generating engineers competent with fundamentals, design, analysis and investigation approach capable of handling modern tools.
- To inculcate strong ethical and moral values in students to work in team for environment and sustainable development.
- To strengthen communication, management skills and continuous learning attitude in young engineers dedicated for collaborative research for society through industry interactions.

NATIONAL CONFERENCE

26/04/2025 , BYDR. A. R. NICHAL, CONVEYNER

On 26/04/2025, The Department of Electronics and Telecommunication organized the National Conference on Recent Trends in Engineering and Technology (NCRTET 2025). The event was inaugurated by the esteemed Chief Guest Dr.A.B.Kakade Dean Research and Development cell RIT Islampur. who delivered an inspiring address that resonated deeply with both students and faculty. In his speech, he highlighted the significance of research, innovation, and collaborative learning in shaping the future of education and industry. His motivational words encouraged the audience to pursue excellence and contribute meaningfully to their respective fields. For this conference 63 papers are presented and published in the UGC approval journal. . On the same day of the conference we launched a proceeding book with ISBN number:978-81-984557-2-7 in both online and offline mode.Link: <https://www.ijirset.com/special-issue-NCRTET-2025>



CREO WORLD - TECHNICAL EVENT

01/04/2025 , BY PROF. V. R. PATIL TECHNICAL CO-ORDINATOR

Adarsh Institute of Technology and Research Centre, Vita, successfully hosted Creoworld 2k25, a state-level technical fest that brought together bright minds, innovators, and technology enthusiasts from across the state. The event aimed to foster creativity, innovation, and technical skills among students from various colleges and institutions. The Chief guest of Event is Mr. Vilas Shinde Chairman and Managing Director of Sahydri farm Nashik.

Key Highlights of Creoworld 2k25:

1. **Variety of Events:** The fest included a wide range of exciting events such as coding competitions, robotics challenges, technical quizzes, workshops, Poster presentations, and innovation challenges. These events were designed to test the participants' problem-solving abilities, creativity, and knowledge in various fields of engineering and technology
2. **Participation from Across the State:** Creoworld 2k25 saw enthusiastic participation from numerous colleges and universities across Maharashtra, making it one of the most anticipated technical fests of the year. Students showcased their skills, knowledge, and innovative ideas through various competitions, demonstrating the immense talent present in the state.
3. **Recognition and Awards:** The event concluded with the recognition of top-performing teams and individuals, who were awarded prizes and certificates for their achievements in various competitions. This recognition further motivated the participants to continue their pursuit of excellence in the field of technology. Creoworld 2k25 was a resounding success, providing students with a platform to exhibit their technical expertise, learn new skills, and explore the latest innovations in technology. It was a great opportunity for participants to network, collaborate, and expand their knowledge in an ever-evolving field.



GUEST LECTURES ON “EFFECTIVE RESEARCH PUBLISHING: INSIGHTS, ETHICS, AND ESSENTIALS”

26/04/2025 , BY PROF. P. R. THORAT (ASST. PROF. CIVIL ENGG. DEPT.)

The Department of Civil Engineering at AITRC, Vita successfully organized a guest lecture on the topic “Effective Research Publishing: Insights, Ethics, and Essentials” on 26th April 2025. The session was aimed at guiding final-year B.Tech Civil Engineering students on the nuances of scholarly publishing, ethical research practices, and academic integrity. The guest speaker, Dr. Prashant Jagtap, Assistant Professor from D. Y. Patil College of Engineering & Technology, Kasaba Bawada, Kolhapur, shared valuable insights into the publication process, including manuscript preparation, plagiarism awareness, and peer review mechanisms. He emphasized the importance of ethical conduct in research and the need for accuracy and transparency in scholarly writing. The session was highly interactive, with students engaging actively and seeking guidance on real-world publication challenges. The lecture helped bridge the gap between classroom knowledge and research application, thereby fostering a culture of academic excellence and lifelong learning. The event was coordinated by Prof. P. R. Thorat, HOD, Civil Engineering Department, with enthusiastic participation from final-year students. Prof. P. R. Thorat expressed gratitude to the speaker and highlighted its commitment to continuous student development through such knowledge-sharing sessions. The activity successfully mapped key Program Outcomes (POs) and Program Specific Outcomes (PSOs) related to ethics, communication, technical documentation, and lifelong learning, ensuring its alignment with academic objectives.



VISION BOARD-TECHNICAL EVENT

**01/04/2025 , BY PROF. K. M. JADHAV, GSE DEPT.
TECHNICAL COORDINATOR**

The event commenced at 12:30 PM with the arrival of the distinguished guest, Mr. Girish Chavan. The organizing team warmly welcomed him, ensuring a smooth transition into the session. At 12:40 PM, the faculty members formally welcomed Mr. Chavan. Prof. H.S. Bhore felicitated him in recognition of his presence and valuable contribution to student development. At 2:00 PM, Mr. Girish Chavan and Prof. T.S. Patil assumed the role of judges, evaluating the presentations and vision boards created by the participating students. The assessment criteria included creativity, innovation, and relevance to the topic. Following the judging process, Mr. Chavan delivered an insightful session on career planning, goal setting, and professional development. His engaging discussion encouraged students to think critically and strategically about their future aspirations. At 3:30 PM, the winners were announced, and the principal distributed prizes to them. As the event concluded, Prof. K.M. Jadhav delivered a Vote of Thanks, expressing gratitude to Mr. Girish Chavan for his expert insights and motivational guidance. Special appreciation was also extended to the faculty members, student participants, and organizers for their contributions to the event's success.

Outcomes:

1. The vision board and presentation competition provided students with an opportunity to showcase their creative and innovative ideas.
2. Students enhanced their ability to present ideas effectively and gained experience in organizing and participating in competitive events.



FAST & FURIOUS (ROBOREX)

01/04/2025 , BYMS. S. R. GORE E & TC DEPT.
TECHNICAL COORDINATOR

The department of Electronics and Telecommunication conducted a Fast & Furious (RoboRex) event on the occasion of “CREO-WORLD 2K25” on 1st April 2025 from 10.00am to 4.30pm. for the students of engineering. The inauguration of CREO WORLD 2K25 was held at the central level. All the departmental HoD along with all the teachers and students were present in the auditorium hall. This event started at the department of E & TC and was inaugurated by Hon. Mr. Vilas Shinde Chairman and managing director of sahyadri farms post-harvest care limited nashik. and Hon. Mr. Vaibhav (Dada) S. Patil (President of LHPCT, Vita), with the presence of executive director Mr. P.T. Patil and our college campus director Ms. Pooja Patil, Principal Dr. P. S. Patil, HoD's of other departments and Electronics and Telecommunication Dept. Dr. A.R. Nichal along with all Staff members present here. There were 39 students from all departments and other college students participated in this event with great enthusiasm.

The main purpose of this event is to Provide opportunities for attendees to enhance their skills through competitions and provide a platform for students to explore their talent.



DIPEX 2025

CSE DEPARTMENT,

DIPEX is India's one of the largest and the most prestigious state level exhibition-cum-competition of working models of projects prepared by the students of Diploma, Degree, PG in Engineering/Technology and Agriculture as well as ITIs in the State of Maharashtra and Goa. DIPEX-2025 was held in Pune at COEP College during 3rd to 6th April 2025.

For this DIPEX event total 5 project groups from our college were participated 3 groups from Degree CSE Department, one group from Diploma AIML Department and one from Degree Civil Department. From that one project group of Class B.Tech from Degree CSE Department having title of project as “E-Grampanchayat” won the First Prize in Open Innovation Category. The project group members are Ms. Siddhi Nikam, Ms. Rutuja Sawant, Ms. Mayuri Kirdat, Ms. Nikita Pawar and their project guide was Prof. S. P. Mali. Sir. This year CSE Department has won in DIPEX Consecutively second time.



FACULTY ACHIEVEMENT**FDP/WORKSHOP/SEMINAR/CONFERENCE**

Sr. No	Category	Title	Participant/ Faculty	Dept
1	Paper Published	Design and Fabrication of Automatic Ladle Used in Foundry	Prof. H. S. Bhore	GSE
2.	Paper Published	Autonomous Cyber Guardians: A Self-Evolving AI Framework for Real-Time Threat Detection and Neutralization	Prof. K. M. Jadhav, Prof. H. S. Bhore	GSE
3.	Paper Published	Nano Particle Application in Detection of Cancer	Prof. P.N. Nikam , Prof. P.E. Pawar	GSE
4	Paper Published	A Review of Golden Ratio: The Mathematics of Beauty	Prof. P. S. Sutar, Prof. T. S. Patil.	GSE
5.	Paper Published	Electricity generation by using waste material	Mr. P. B. Yadav	ETC
6.	Paper Published	IOT Based Automated Geolocation and route optimization system for campus transit	Mr. M. D. Bhambure	ETC

FACULTY ACHIEVEMENT**FDP/WORKSHOP/SEMINAR/CONFERENCE**

Sr. No	Category	Title	Participant/ Faculty	Dept
7	Paper Published	Development of Noninvasive system for real time hemoglobin, glucose and oxygen Monitoring	Dr. A. R. Nichal	ETC
8.	Paper Published	Remote controlled underwater exploration drone	Dr. A. R. Nichal	ETC
9.	Paper Published	Intelligent IOT Based health monitoring and Intelligent IOT Based health monitoring and	Mr. P. B. Yadav Ms. S. R. Gore	ETC
10	Paper Published	Automated Felicitation Robot	Mr. A. D. Ghorapade	ETC

FACULTY ACHIEVEMENT**FDP/WORKSHOP/SEMINAR/CONFERENCE**

Sr. No	Category	Title	Participant/ Faculty	Dept
11	Paper Published	Design and Fabrication of automatic ladle system used in foundry	Mr. M. D. Bhambure	ETC
12.	Paper Published	Automated Felicitation Robot	Mr. A. D. Ghorapade	ETC
13.	Paper Published	Hands free smart shopping Trolley with Human following Technology	Mr. P. B. Yadav Ms. P. S. Deshmukh	ETC

STUDENTS ACHIEVEMENT

Sr. No	Category	Title	Participant/	Dept
1	Paper Published	Autonomous Cyber Guardians: A Self-Evolving AI Framework for Real-Time Threat Detection and Neutralization	Shubham M. Jare, Tanishka I. Shinde, Minal T. Jadhav, Sakshi S. Lugade, Swapnajeet S. Bhandare,	GSE
2	Paper Published	Nano Particle Application in Detection of Cancer	Dipak S. Honshetti, Parth S. Amane, Saptesh V. Tatpuje, Rajwardhan N. Pawar, Vinayak S. Suryawanshi ,	GSE
3.	Paper Published	A Review of Golden Ratio: The Mathematics of Beauty	Pranjal P. Khot, Vaishnavi S. Pawar, Neha V. Yadav, Soham A. Kadam, Sakshi S. Jagtap,	GSE
4	Idea Presentation	DIPEX - 2025	Swapnajeet s. Bhandare Minal T. jadhav Shubham M. jare Tanishka I Shinde Sakshi S. Lugade	GSE
5	Quiz Competition	Abhiprajana	Ribafatima Shaikh	GSE

STUDENTS ACHIEVEMENT

Sr. No	Category	Title	Participant/	Dept
6	National Level Online Quiz	Intellectual Property Right (IPR)	Soham A. Kadam Sakshi S. jagtap Viraj J. Mohite Nilam S. Gaikwad Madhura Takale	GSE
7	Poster Presentation	Artificial Intelligence (NMCOE, Peth)	Parth B. Patil Parth B. Shinde	GSE
8.	Technical Event	Project Exhibition First Rank (SSIET, Ghogaon)	Akash Naindikol Subhan Maner Amit Illageri	GSE
9	Technical Event	Free Fire EE Dept. Winner	Vishwa P. Kamble Pranav Yenpekar	GSE
10	Technical Event	Web Rush	Shubham M. Jare	GSE

STUDENTS ACHIEVEMENT

Sr. No	Category	Title	Participant/	Dept
11	Technical Event	Vision Board (GSE Dept.)	1)Nikhita Karpe Minal Jadhav 2)Janhvi Samudre Sakshi Gaikwad 3)Anushka Salunkhe Sanika Yadav	GSE
12	Technical Event	Quiz Competition Partcipant Aher COE, Karad	Shlok B. Katu Ashish S. Katkar	GSE
13	Paper Published	Electricity generation by using waste material	Vijay R. Sargar Netaji P. Adate Sahil D. Mulani	ETC
14	Paper Published	IOT Based Automated Geolocation and route optimization system for campus transit	Kedar P. Gosavi Akshay S. Kumbhar Vinay V. Surywanshi Prithviraj B. Shelar	ETC
15	Paper Published	Automated Felicitation Robot	Kishor B.Thomabre Sourabh A.Mohite Vedant R.Babar	ETC

STUDENT ACHIEVEMENT

Sr. No	Category	Title	Participant/ Faculty	Dept
16	Paper Published	Design and Fabrication of automatic ladle system used in foundry	Samrudhi S Kumbhar Mina M. Sonavale Anusha K. Jadhav	ETC
17	Paper Published	Development of Noninvasive system for real time hemoglobin, glucose and oxygen Monitoring	Arpita B. Katkar Gouri R. Kadam Sejal S. God	ETC
17	Paper Published	Intelligent IOT Based health monitoring and emergency assistance system	Archana S. Surywanshi Apurva N. Jadhav Sakshi V. Kadam	ETC
18	Paper Published	Automated Felicitation Robot	Prashant C. Parit Pranav P. Gaikwad Ajay U.More	ETC
19	Paper Published	Hands free smart shopping Trolley with Human following Technology	Nikam P. Madhukar Gitanjali U. Jadhav Aditi S. Gharge	ETC



Welcome to **Adarsh Institute of Technology and Research Centre, Vita**, a pioneering institution in the realm of engineering education since its establishment in 2008. Over the past decade and more, we have stood at the forefront of technological innovation, providing aspiring engineers with a nurturing and dynamic environment to shape their dreams and aspirations.

Founded in 2008, our institute has consistently upheld a commitment to excellence, innovation, and a forward-thinking approach to engineering education. Nestled in the heart of Vita, (Khambale- Bhalavani) our campus offers a vibrant and stimulating atmosphere that fosters creativity and intellectual growth.

As we embark on this journey of exploration and discovery, we invite you to delve into the essence of Adarsh Institute of Technology and Research Centre, Vita, where cutting-edge research, world-class faculty, state-of-the-art laboratories, and a diverse student body converge to create an atmosphere of unparalleled learning and innovation. Whether you aspire to pursue a degree in electrical engineering, mechanical engineering, computer science, AIML or any other field within our vast repertoire, you will find an ecosystem that not only imparts knowledge but also nurtures critical thinking and problem-solving skills.

At Adarsh Institute of Technology and Research Centre, Vita, we believe that engineering transcends the confines of textbooks and classrooms. It is about pushing the boundaries of what is possible, and our institution stands as a testament to this belief. Our graduates have gone on to make significant contributions to various industries, research institutions, and the global community at large, embodying the values of integrity, excellence, and a passion for innovation.

Join us on this remarkable journey, where we continue to shape the future of engineering education, empowering the next generation of engineers to create a brighter, more technologically advanced world. Explore the limitless possibilities that Adarsh Institute of Technology and Research Centre, Vita has to offer, and together, let us engineer a better future.

Welcome to Adarsh Institute of Technology and Research Centre, Vita where the future is built today.

Editorial Note:

Welcome to the very first issue of our monthly newsletter! This is your window into the heart of Adarsh Institute of Technology and Research Centre, Vita. Where we celebrate achievements, share insights, and build community. We're excited to embark on this journey with you. Please share your thoughts, feedback, and ideas to help us shape future editions. Thank you for being a part of this exciting initiative.

Warm regards,

Prof. Tai S. Patil, Editor-in-Chief, The Informant, Monthly Newsletter of AITRC.