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MONTHLY NEWSLETTER



ADARSH INSTITUTE
OF TECHNOLOGY & RESEARCH CENTRE, VITA

THE INFORMANT



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EDITORIAL CHIEF-

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

EDITORIAL COMMITTEE-

Departmental Cultural
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.

ALUMNI MEET 2024

04/11/2023 BY MR. S.P. MALI,ALUMNI CO-ORDINATOR

The Alumni Cell and Alumni Association of AITRC, Vita, successfully hosted the "Alumni Meet 2024" on 4th November 2024 at the Auditorium Hall. This memorable event brought together alumni from across the years, celebrating their achievements and strengthening their bond with their alma mater.

The event began with a warm welcome and registration at 10:00 a.m., accompanied by a delightful breakfast, setting a relaxed tone for reconnections. The formal session commenced with the auspicious Saraswati Pujan, followed by an address by Mr. Sunil Chavan, Secretary of the Alumni Association, who highlighted the integral role of alumni in the institute's growth. Mr. N.M. Patil, Training and Placement Officer, emphasized the importance of alumni in creating training and placement opportunities for current students.

Hon. Ms. Pooja Patil, Campus Director, inspired the audience with updates on institutional achievements and future goals. Hon. Mr. Vaibhav Dada Patil, President of the Loknete Hanmantrao Patil Charitable Trust, invited alumni to actively contribute to the institute's journey of excellence.

The session featured heartfelt speeches from alumni of the first graduating batch, including Mr. Suraj Avatade, Mr. Atul Mane, and Ms. Pooja Hasbe, who shared nostalgic memories and gratitude for their time at AITRC.

The formal program concluded with a vote of thanks by Dr. P.S. Patil, Principal of AITRC, expressing deep appreciation for the alumni's enthusiastic participation. A group photo session followed, capturing the spirit of the reunion.

Post-lunch, a lively musical program featuring classic and contemporary Hindi and Marathi songs created a nostalgic atmosphere. Alumni revisited their departments, toured the campus, and marveled at the institute's developments, reminiscing about their cherished college days.

The "Alumni Meet 2024" was a resounding success, celebrating alumni achievements and reaffirming their vital role in the growth of the Adarsh Institute of Technology and Research Centre, Vita.

We look forward to many more such reunions in the future!

ALUMNI MEET 2024

04/11/2023 BY MR. S.P. MALI,ALUMNI CO-ORDINATOR



ROAD SAFETY AWARENESS PROGRAMME**24/11/2023 & 25/11/2023, BY MR. P.S. SHINDE, NSS CO-ORDINATOR**

NSS Unit of Adarsh institute of technology organised a road safety awareness programme on 24/11/2023 & 25/11/2023 at college campus. Mr Anand Kamble, Training Executive, Safety Education and center management west, Honda Motorcycle and Scooter India PVT LTD illustrated the statistics of road accidents and deaths that are occurring in India every year and suggested few steps to reduce them and said that you as students should come forward with new projects to decrease traffic problems and accidents. He also spoken about how to drive, precautions, rules and regulations etc so as to keep ourselves safe on the road. He told everything with suitable examples so the students can understand and implement them. Also explained about various symbols like Mandatory symbols, Cautionary symbols and Informatory symbols. He discussed the statistics of various types of road accidents in India and explained the reasons that lead to these accidents. He further gave examples of various types of traffic violations and the penalties associated with them. Mr Pradip S Shinde NSS Program Officer welcomed all for the programme. Dr.P.S.Patil Principal, NSS Volunteers and other teachers also participated in the programme.

At the end of the session principal presented a memento to Mr Anand Kamble.

Prof P.S.Shinde proposed the vote of thanks.

EXPERT LECTURE ON “MICROPROCESSOR AND MICROCONTROLLER”

28/11/2024 BY MR.U.Y.SIDDHA (MECHANICAL ENGG DEPARTMENT)



The expert lecture focused on providing a comprehensive understanding of microprocessors and microcontrollers, emphasizing their architecture, functionalities, and applications in modern technology.

The session began with an introduction to the evolution of microprocessors and microcontrollers, covering their significance in computing and embedded systems. Ms. Vrushali Rajaram Patil delved into the technical aspects, including the differences between microprocessors and microcontrollers, their programming, and their role in system design. Participants were introduced to real-world applications, such as automation systems, IoT devices, and robotics, highlighting the importance of these technologies in various industries. The session also included discussions on advancements in microcontroller technology and their integration into next-generation systems.

The lecture concluded with an engaging Q&A session, where students and faculty sought clarity on complex concepts and discussed practical implementation scenarios.

“EXPERT LECTURE ON “PROGRAMMABLE LOGIC CONTROLLER”

03/11/2024 BY MR.U.Y.SIDDHA (MECHANICAL ENGG DEPARTMENT)



On 03 September 2024, the Department of Mechanical Engineering successfully hosted an expert guest lecture on “Latest Advancements in Piping Design Engineering Construction.” The session aimed to provide both faculty and students with updated knowledge on recent developments in the field of piping design. Following the lecture, an interactive Q&A session allowed attendees to engage directly with Mr. Jorigal, asking questions and discussing the topics presented. Overall, the lecture was well-received, with participants praising the depth and clarity of the content. Feedback indicated that attendees valued the practical examples and industry relevance of the presentation, although some requested additional case studies for further contextual understanding. The event was successfully executed, achieving its goal of enhancing knowledge and sparking interest in the latest advancements in piping design engineering. Special thanks are extended to Mr. Jorigal for his expert contribution and to all participants for their engagement and feedback.

ONE-DAY SKILL DEVELOPMENT WORKSHOP ON “CERTIFICATE LEVEL-3 (ADVANCED CONSTRUCTION MATERIALS & SUITABILITY)”.

06/11/2024, BY PROF. P. R. THORAT CIVIL ENGG. DEPARTMENT



The workshop commenced at 10:00 AM with an introduction by the Civil Engineering Department, welcoming Er. Rupesh Panhalkar. The resource person gave a detailed presentation on cutting-edge construction materials such as Waterproofing, Plaster, Tile Adhesives, different chemical Admixtures, and sustainable building materials. The focus was on understanding material behavior under various conditions and determining their suitability for different projects, considering environmental and structural requirements. A live demonstration of Virtual Reality (VR) technology in construction projects was conducted. Participants experienced immersive visualizations of how advanced materials are integrated into construction planning and execution. The workshop concluded with a discussion on industry trends and challenges, along with a Q&A session where participants sought clarification on advanced materials and their applications. Certificates of participation were distributed to all attendees.

Outcomes:

- ☒ Enhanced Knowledge: Participants gained in-depth knowledge about the latest advanced construction materials and their suitability for various types of projects.
- ☒ Innovative Solutions: Participants were introduced to cutting-edge innovations and trends in the construction materials industry, equipping them with tools to address future construction challenges.
- ☒ Virtual Reality in Construction: The VR demonstration provided an insightful experience for participants, showcasing its potential use in project planning and material integration.
- ☒ Problem-Solving Skills: Participants developed strategies to solve construction challenges, improving their problem-solving abilities.

INDUSTRIAL VISIT TO KHARE ELEC-TRANS, TASGAON

04/11/2024 BYMS, V. R. PATIL,HOD OF EC DEPARTMENT



In that, visits students see the different types of transformers Construction & working principle of transformer core sheets, different parts in that transformer, calculate transformer efficiency and rating of transformer.

Students understand any fault in transformer shows that resource person. Dielectric strength of oil shows and different copper wires used in that transformer also shows various types of insulation material used in transformer winding.

GUEST LECTURE ON “ACHIEVEMENT IS STRENGTH”- MR. VASANT HANKARE

08/11/2024 BYMR, H.S.BHORE HOD OF GSE DEPARTMENT



General Science and Engineering Department arranged guest lecture on “Achievement is Strength” , guest lecture was delivered by Mr. vasant Hankare sir. He was making students emotional by his speech. He explained why achievement is important in our life. He has given new insight to students.

Ms. Pooja Patil maam (Campus Director) , Dr. Mahajan sir (Principal, Adarsh College of Pharmacy) were present. Ms. Pooja Patil ma'am guided to all students.



Faculty Achievement



CONGRATULATION TO ACHEIVER

Students Achievements

Sr. No	Student Name DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING	Participated /Presented /Published	Name of the Organization/ Institute	Program Title
1	Mr. Sahil A Mulani Mr. Netaji P. Adate Mr. Vijay R. Sargar	Published	IJRPR	Electricity Generation by Using Waste Material
2	Ms. Anushka K. Jadhav Ms. Mina M. Sonavale Ms. Samrudhdhi S.Kumbhar Ms. Dhanashri S Shinde Patil	Published	IJRPR	Design And Fabrication of Automatic Ladle Used in Foundry
3	Mr. Akshay S. Kumbhar Mr. Kedar P.Gosavi Mr. Pruthviraj B. Shelar Mr Vinay V.Suryawanshi	Published	MANTECH PUBLICATIONS	IOT Based Automated Geo Location And Route Optimization System for Campus Transits
4	Ms. Geetanjali Jadhav Ms. Pooja Nikam Ms. Aditi Gharge	Published	IJRPR	Hands-free Short Shopping Trolley with Human Following Technology

Students Achievements

Sr. No	Students Name	Participate d/Presented /Published	Name of the Organization/ Institute	Program Title
5	Mr. Kishor B. Thombare Mr. Saurabh A. Mohite Mr. Vedant R.Babar	Published	IJRPR	Automated Felicitation Robot
6	Mr. Prashant C. Parit Mr. Pranav P. Gaikwad Mr. Ajay U. More	Published	IJRPR	Automated Felicitation Robot
7	Ms. Apurva Jadhav Ms. Sakshi Kadam Ms. Archana Suryawanshi	Published	IJRPR	Intelligent IOT Based Health Monitoring System and Emergency Assistance System
8	Ms. Arpita B. Katkar Ms. Gauri R. Kadam Ms. Sejal S. God	Published	IJRPR	Development on Noninvasive system for real time Hemoglobin, Glucose and Oxygen Monitoring.

CONGRATULATION TO ALL ACHEIVERS

Students Achievements



Mr. Adarsh Rupesh Jadhav a Student of **B. Tech CSE AITRC Vita** is selected as IOS Developer in Tcognition, Kolhapur. Tcognition is in IT professional services and solutions, including cutting-edge Conversational AI. Through continuous learning, experience, and a keen eye for innovation, company empowers our clients, customers, and partners to achieve their business goals

CONGRATULATION TO ALL ACHEIVERS

Students Achievements



NPTEL Certification- 26 students from the class B.Tech E & TC passed with an elite grade in NPTEL Swayam exam in “Introduction to Internet of things” subject. The names of the students given below, Apurva Namdev Jadhav, Prashant Chandrakant Parit, Kedar Pradip Gosavi, Gitanjali Umesh jadhav, Gauri Rajiv Kadam, Pruthviraj bhagawan shelar, Anushka Kisan Jadhav, Samruddhi Sandeep Kumbhar, Archana Sambhaji Suryawanshi, Sejal Santosh God, Parag Gajanan Mane, Ajay Uttam More Sakshi Vitthal Kadam, Kishor Balaso Thombare, Pranav Prakash Gaikwad, Vedant Rajendra Babar, Netaji Pradip Adate, Vinay Vilas Suryawanshi, Mina Mahadev Sonavale, Sourabh Arvind Mohite, Aditi Suresh Gharge, Akshay Satish Kumbhar, Pooja Madhukar Nikam, Sahil Dastagir Mulani, Arpita Balaji Katkar, Vijay Ramchandra Sargar.

CONGRATULATION TO ALL ACHEIVERS



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.