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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.

SHARDOTSAV 2024**03/10/2024 TO 11/10/2024 BY PROF. T. S.PATIL , CULTURAL COORDINATOR**

The cultural cell organized SHARDOTSAV 2024 at AITRC campus. The celebration arranged for nine days of Navratri. On occasion of Navratri all faculties, staff and students allowed to wear Navratri given colours. The cultural Cell displayed colour chart to follow. All responded enthusiastically. Women Empowerment Cell organized Dandiya which held on 11/10/2024. The Women Empowerment Cell dedicated to fostering inclusivity and empowerment curated an environment that encouraged participation of all.

GUEST LECTURE ON “MACHINE LEARNING AND INTRODUCTION ON CARRIER PATH”**05/10/2024 BY PROF. P.K.PATIL HOD OF AIML DEPT. ENGG.**

Mr. Swapnil Kamble, (senior system architect at Pegasystem Inc, Pune.) was guest lecturer. AI uses multiple technologies that equip machines to sense, comprehend, plan, act, and learn with human-like levels of intelligence. Fundamentally, AI systems perceive environments, recognize objects, contribute to decision making, solve complex problems, learn from past experiences, and imitate patterns.

FRESHER'S PARTY-2024

The fresher's party, held on [insert date], was a resounding success, bringing together new students and seniors for an evening of fun and camaraderie. The event began with a warm welcome speech, followed by exciting performances that displayed the talents of both fresher's and senior students. Dance performances, musical acts, and stand-up comedy were highlights of the evening, keeping the audience entertained throughout. Interactive games further strengthened the bond between the new students and their seniors. The party ended with a DJ session, allowing everyone to let loose and enjoy the night. Overall, the event was well organized and introduced campus life for the fresher's.



GUEST LECTURE ON “DISCRETE MATHEMATICS”

19/10/2024 BY PROF. P. K. PATIL HOD OF AIML DEPT. ENGG.



Resource Person of lecture was Mrs. Lina Vinod Patil (Assistant Professor at Walchand college of Engineering Sangli). The primary objective of the course is that students should learn a particular set of mathematical facts and how to apply them. In particular it teaches students how to think logically and mathematically through five important themes: mathematical reasoning, combinatorial analysis, discrete structures, algorithmic thinking, and applications and modeling.

GUEST LECTURE ON DIGITAL IMAGE PROCESSING - SEGMENTATION

01/10/2024 BY DR. A. R. NICHAL, HOD OFE & TC DEPT. (ENGG.)



A guest lecture on Digital Image Processing - Segmentation. The session was inaugurated with an introduction of the esteemed guest speaker, Prof. V. R. Patil, the Head of the Electrical and Computer Department at AITRC Vita, known for her vast experience in digital image processing. HOD Dr. A. R. Nichal extended a warm

The event proceeded with Prof. Patil's insightful presentation on image segmentation, which is a critical component of digital image processing. The lecture was attended by students, who gained valuable insights into the theoretical and practical aspects of segmentation techniques.

WEBINAR ON “RADAR SYSTEM SIMULATION AND DESIGN”

23/10/2024 BY DR. A. R. NICHAL, HOD OFE & TC DEPT. (ENGG.)



In this webinar Mr. Sumit Garg gave end to end information of tools, software's for Radar System Simulation. He introduced with concepts of radar system design, popular tools and frameworks for simulation and simulation design of radar systems. Mr. Ayush Bansal, who is a senior System Designer at PierSight Space introduced to concepts of radar system design. He introduces with the Demystifying Synthetic Aperture Radar(SAR).

GUEST LECTURE

“ADVANCES IN ELECTROMAGNETIC FIELD THEORY”

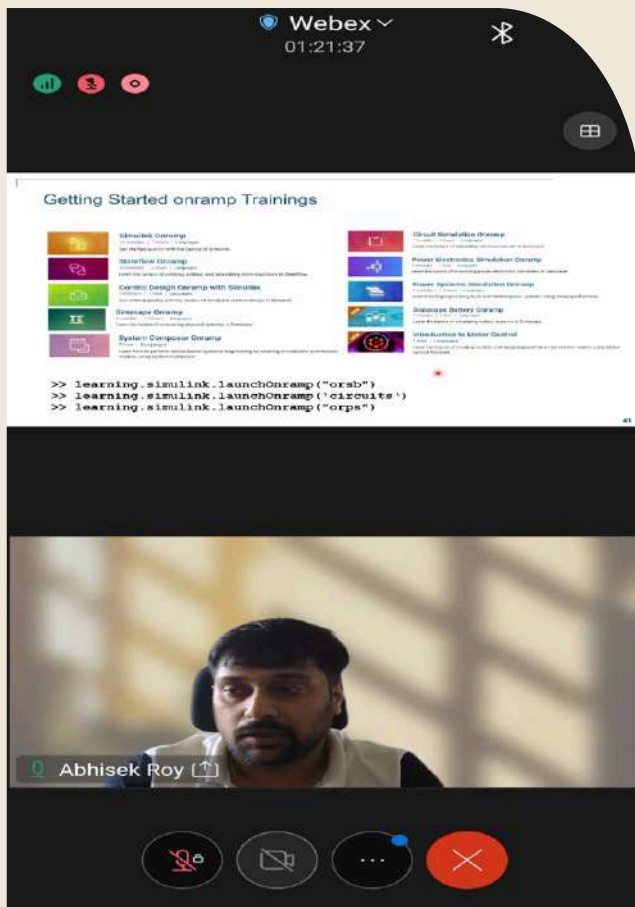
21/10/2024 BY DR. A. R. NICHAL, HOD OFE & TC DEPT. (ENGG.)

On 21 st October 2024, we had arranged guest lecture of advances in Electromagnetic field theory at our ETC department, all the students were present. HOD Dr. A.R.Nichal sir introduced and welcomed our guest. Then the session started. All the students were listening carefully and their behavior was very good during the session. At the end of the session sir cleared all the doubts of the students.



WEBINAR ON “ENHANCING PERFORMANCE AND EFFICIENCY OF ELECTRIC VEHICLES”

16/10/2024 BY DR. A. R. NICHAL, HOD OFE & TC DEPT. (ENGG.)



The session was inaugurated with an introduction of the speaker, Mr. Abhisek Roy (Senior Application Engineer at MathWorks India). The lecture was attended by students, who gained valuable insights into the theoretical and practical aspects of electric vehicle motors and electronics in electrical vehicles. Mr. Sree Varshini conducted a comprehensive discussion on enhancing performance and efficiency of electric vehicles which allowed the participants to expand their knowledge and understanding details of motors in electric vehicles

WEBINAR ON ENHANCING PERFORMANCE AND ROBUSTNESS FOR POWER ELECTRONICS SYSTEMS

08/10/2024 BY DR. A. R. NICHAL, HOD OFE & TC DEPT. (ENGG.)



A webinar on Enhancing Performance and Robustness for Power Electronics Systems was attended by Third year students organised on dated 8/10/2024. The resource person was Mohsen Aleenejad a Senior Application Engineer from MathWorks. In this session, we will provide an overview of how

to enhance overall system performance while addressing the complexity in control design and speeding up the implementation.



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.