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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.

CELEBRATION OF SHIV JAYANTI

20/02/2025 , BY PROF. T. S. PATIL CULTURAL CO-ORDINATOR

The grand celebration of Shiv Jayanti was held on 20/02/2025 at AITRC with great enthusiasm and devotion. This event commemorates the birth anniversary of Chhatrapati Shivaji Maharaj, the valiant Maratha warrior and founder of the Maratha Empire. The program was organized to honor his legacy, bravery, and vision for Swarajya (self-rule).

The event was graced by the presence of Adv. Vaibhav (Dada) Patil, Mrs. Pratibhatai Patil, Dr. P. S. Patil (Principal, AITRC), Dr. N. S. Mahajan (Principal, ACOP), Mr. V. M. Shinde (Principal, AITI) along with teaching, non-teaching staff, Supportive Staff and students. The enthusiasm and participation of the audience added to the vibrancy of the celebration.

The celebration began with Shiv rally and Shiv Pujan by the recitation of Shiv Garjana. A floral tribute was offered to the statue of Chhatrapati Shivaji Maharaj.

Several cultural and educational activities were organized, including:

- Inspirational speeches on the life and achievements of Shivaji Maharaj.
- Powada showcasing his bravery and leadership.
- Folk dances depicting the rich Maratha heritage.
- Poster/Model Presentation under title "Chatrapati Shivaji Maharaj's Forts: The Stronghold of Swarajya"

One of the most remarkable moments was the speech delivered by Mr. Vishwa Swami emphasizing Shivaji Maharaj's values of justice, equality, and self-governance. The live Lezim, Dhol , Tashya presesntation was another highlight that captivated the audience.

The celebration concluded with a heartfelt vote of thanks by Ms. Snehal Gore, expressing gratitude to all participants, volunteers, and attendees for making the event a grand success. The event instilled a sense of pride and inspiration in everyone, reinforcing the timeless values of bravery, wisdom, and leadership taught by Shivaji Maharaj.



FACULTY ACHIEVEMENT**FDP/WORKSHOP/SEMINAR/CONFERANCE**

Sr. No	Category	Title	Participant/ Faculty	Dept
1.	FDP	Industry 5.0"	Mr. H. S Bhore	GSE
2.	FDP	Industry 5.0"	Mrs. T. S. Patil	GSE
3.	FDP	Industry 5.0"	Ms. P. S. Sutar	GSE
4.	FDP	Industry 5.0"	Ms. K. M. Jadhav	GSE
5.	FDP	Industry 5.0"	Mr. R. B. Patil	MECH
6.	FDP	Enhancing Research Culture:Best Practices & Emerging Trends	Mr. R. B. Patil	MECH
7.	FDP	Hydrogen and Fuel Cell Technologies for Electric Vehicles	Mr. U. Y. Siddha	MECH
8.	Judge	Fort 3D /2D presentation	Mr. U. Y. Siddha	MECH
9.	Judge	Fort 3D /2D presentation	Mr. A. A. Vankundre	CSE

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

Sr. No	Category	Title	Participant/ Faculty	Dept
10	Paper Publication	Review Paper on Database Basics for Developers: Understanding CRUD Operations	Mr. H. S Bhore	GSE
11.	Paper Publication	Review Paper on Database Basics for Developers: Understanding CRUD Operations	Ms. K. M.Jadhav	GSE
12.	Paper Publication	Review Paper on Database Basics for Developers: Understanding CRUD Operations	Mrs. T. S. Patil	GSE
13.	Paper Publication	Review Paper on Database Basics for Developers: Understanding CRUD Operations	Ms. P. S. Sutar	GSE
14.	Paper Publication	Enhancing Engineering Education Through Vygotsky's Sociocultural Approach : Collaboration, Scaffolding, and Real World Applications	Mr. H. S Bhore	GSE

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

Sr. No	Category	Title	Participant/ Faculty	Dept
15	Paper Publication	Enhancing Engineering Education Through Vygotsky's Sociocultural Approach : Collaboration, Scaffolding, and Real World Applications	Mrs. T. S. Patil	GSE
16.	Paper Publication	Enhancing Engineering Education Through Vygotsky's Sociocultural Approach : Collaboration, Scaffolding, and Real World Applications	Ms. K. M.Jadhav	GSE
17.	Paper Publication	Enhancing Engineering Education Through Vygotsky's Sociocultural Approach : Collaboration, Scaffolding, and Real World Applications	Ms. P. S. Sutar	GSE
18	Infosys Springboard Course	Programming in C	Ms. K. M. Jadhav	GSE
19.	E-Book	Mathematics Relations: A Simple Guide	Ms. P. S. Sutar	GSE
20.	E-Book	Mastering Database System: Design, sql and Security	Ms. K. M. Jadhav	GSE

FACULTY ACHIEVEMENT

Sr. No	Category	Title	Participant/ Faculty	Dept.
21.	Webinar	"Quantum Computing for the Next Generation: Exploring Opportunities"	Mrs. T. S. Patil	GSE
22	Infosys Springboard Course	Introduction to Image Processing	Dr. A. R. Nichal	ETC
23.	Infosys Springboard Course	WordPress: SEO, Marketing and Ecommerce	Dr. A. R. Nichal	ETC
24.	Infosys Springboard Course	Image Compression Simplified	Dr. A. R. Nichal	ETC
25.	Infosys Springboard Course	Raspberry Pi Based Weather Monitoring System (Skyrim Kit)	Mr. A. D. Ghorpade	ETC
26.	Infosys Springboard Course	Face Recognition Using Open CV	Mr. P. B. Yadav	ETC
27.	Infosys Springboard Course	Arduino Language	Mr. P. B. Yadav	ETC
28.	Infosys Springboard Course	Generative AI Printer	Mr. M. D. Bhambure	ETC

FACULTY ACHIEVEMENT

Sr. No	Category	Title	Participant/ Faculty	Dept.
29	Infosys Springboard Course	Master Generation AI & Generative AI Tools	Mr. M. D. Bhambure	ETC
30.	Infosys Springboard Course	Basics of Audio Compression	Ms. S. R. Gore	ETC
31.	Infosys Springboard Course	Raspberry Pi Course	Ms. S. R. Gore	ETC
32.	Infosys Springboard Course	IoT & Electronics Course	Ms. P. S. Deshmukh	ETC
33.	E-book	Joint Data - Hiding and Compression Scheme Based on Side Match Vector Qua	Dr. A. R. Nichal	ETC
34.	E-book	Designing and Building an Automatic Robot	Mr. A. D. Ghorpade	ETC
35.	E-book	Traffic Light Control With GPS Based Pre-emption for Emergency Vehicle	Mr. P. B. Yadav	ETC

FACULTY ACHIEVEMENT

Sr. No	Category	Title	Participant/ Faculty	Dept.
36	E-book	Brushless DC Motor Speed Control by Using a DSP Controller	Mr. M. D. Bhambure	ETC
37.	E-book	A Bridge Structural Health Monitoring System	Ms. S. R. Gore	ETC
38.	E-book	IoT Based Smart Agriculture System	Ms. P. S. Deshmukh	ETC
39.	Infosys Springboard Course	Azure Devops	Mr. P. K. Patil	AIML
40.	Infosys Springboard Course	Unix Linux OS - Decision Making and Shell Substitution	Mrs. M. I. Patil	AIML
41.	Infosys Springboard Course	Digital Electronics- Online Digital Electronics Courses	Mrs. U. V. Patil	AIML
42.	Infosys Springboard Course	Internet of Things 101	Mrs. U. V. Patil	AIML

FACULTY ACHIEVEMENT

Sr. No	Category	Title	Participant/ Faculty	Dept.
43	Infosys Springboard Course	Next-Gen Computing: Exploring Supercomputing, AI, and Quantum Technologies	Mr. P. K. Patil	AIML
44	Infosys Springboard Course	Advancements in Artificial Intelligence and Machine Learning for Modern Engineering Solutions	Mrs. M. I. Patil	AIML
45.	Infosys Springboard Course	A Research Centric Approach for Developing Innovative Applications using AI Tools and Technologies	Mrs. U. V. Patil	AIML
46.	Infosys Springboard Course	3D Printing for Biomedical Applications: Shaping the Future of Healthcare in Industry 4.0	Mrs. U. V. Patil	AIML

NON-TEACHING STAFF ACHIEVEMENT

1	Infosys Springboard Course	Robotics Course	Mr. A. S. Ghorpade	ETC
2.	Infosys Springboard Course	Internet of Things 101	Mr. A. S. Ghorpade	ETC

STUDENT ACHIEVEMENT

In recognition of Mr.Vishweshwar Swami excellent work in the field of lecturing, on 7/12/2024, Garuda Foundation Maharashtra State honored him with the Pratibharatna 2025 Outstanding Lecturer Award. His speeches are eye-catching and influential, and may such work continue to be done by him, such goodwill and congratulations were given by our department.







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.