

IcfaiTech Newsletter

January 2024

From the Director's Desk



I am delighted to share with you a glimpse of the remarkable achievements and scholarly contributions made by our esteemed faculty members in the month of January. It is with immense pride that I acknowledge the dedication and intellectual prowess demonstrated by our faculty members, which not only enriches our academic environment but also elevates the reputation of our institution. Dr. Anjanna Matta, in Mathematics, presented groundbreaking research at ISTAM 2023, showcasing expertise in theoretical mechanics. Similarly, Dr. Asisa

Kumar Panigrahy's work in ECE, published in IEEE Access, demonstrates pioneering advancements in image encryption. Dr. Avinash Malladi's patent for a medical bed illustrates practical innovation in Mechanical Engineering. Additionally, Dr. Chandrashekar A and Dr. Dileep Kumar M, in Mechatronics and CSE respectively, expanded knowledge boundaries through notable publications. Dr. Kesavarao Sykam's interdisciplinary collaboration in Chemistry highlights our institution's diverse research environment. Furthermore, Dr. Kuncham Sreenivasa Rao's collaborative article underscores the importance of teamwork. Our faculty's active participation in seminars and workshops enriches academic discourse, reflecting our commitment to continuous learning. Finally, a series of vibrant events on campus fosters community engagement and celebrates academic excellence. Congratulations to our faculty for their outstanding contributions, driving us towards continued innovation and excellence.

- Dr. K. L. Narayana
Director, IcfaiTech, Hyderabad

Newsletter Highlights

Faculty Achievements:

Dr. Anjanna Matta, Associate Professor, Department of Mathematics, presented a research paper in the 68th International Congress of the Indian Society of Theoretical and Applied Mechanics (ISTAM 2023) held on 7th to 9th December 2023, in NIT Warangal.

Dr. Asisa Kumar Panigrahy, Associate Professor, Department of ECE, has published an article titled “A Faster and Robust Artificial Neural Network Based Image Encryption Technique With Improved SSIM” in IEEE Access

Dr. Avinash Malladi, Associate Professor, Department of Mechanical Engineering has registered a design patent with design number: 399213-001 titled “Specialized Bed with Robotic Clamping for Medical Procedures” on 4 January 2024.

Dr. Chandrashekhar A, Assistant Professor, Department of Mechatronics published an article titled “Multi Objective Optimization Of 3D Printed PVA for Biomedical Application” in the AIP Conference

Proceedings Volume 2962, Issue 1, 30 January 2024. He also published another article titled “Big Data-Based Framework For Prediction Of Employee Attrition By Using Deep Data People Analytics” in Journal of Informatics Education and Research,

Dr. Dileep Kumar M, Assistant Professor, Department of Computer Science and Engineering, published an article titled “MedMetaverse: Medical Care of Chronic Disease Patients and Managing Data Using Artificial Intelligence, Blockchain, and Wearable Devices



Newsletter Highlights

Dr. Kesavarao Sykam, Assistant Professor, Department of Chemistry, has published an article titled “Self-extinguishable, intumescent poly(urethane-triazole)s as halogen-free flame retardant materials via bulk polymerization of azide-alkynes” in Elsevier.

Dr. Kuncham Sreenivasa Rao, Associate Professor, Department of Computer Science and Engineering, co-authored an article "Model for Predicting E-Commerce Product Returns Using Hybrid CNN-GRU".

Dr. Sagar, University Academic Fellow, Department of ECE, attended a FDP and SERB workshop, which were held in December 2023 and January 2024 respectively. He has also published an article titled “Tunable floating and grounded memristor emulator model”

Dr. B.Deevena Raju, Assistant Professor, Department of Computer Science and Engineering published an article title “Safeguarding Privacy and Security in Seamless Connectivity Environment” in Tuijin Jishu/Journal of Propulsion Technology.

Mr. Arram Sriram, Faculty Associate, Department of Artificial Intelligence and Data Science, attended the Faculty Development Program on Digital Transformation organised by the Department of Management, Birla Institute of Technology, Mesra, from 4th of December to 8th of December, 2023. He also served as a reviewer in the 6th International Conference on Information Systems and Management Science.





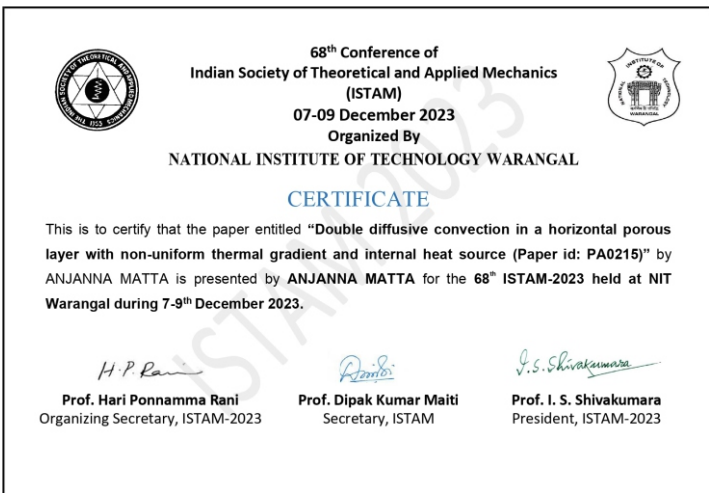
Achievements Page



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Analytics” in Journal of Informatics Education and Research, ISSN: 1526-4726, Vol 3 Issue 2 (2023).

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published an article titled “MedMetaverse: Medical Care of Chronic Disease Patients and Managing Data Using Artificial Intelligence, Blockchain, and Wearable Devices State-of-the-Art Methodology” in IEEE Access, Volume 11, 2023.

Dr. Kesavarao Sykam, Assistant Professor, Department of Chemistry, has published an article titled “Self-extinguishable, intumescent



poly(urethane-triazole)s as halogen-free flame retardant materials via bulk polymerization of azide-alkynes” in Elsevier: Progress in Organic Coatings (Q1 journal indexed in SCI and SCOPUS with an impact factor of 6.6) in collaboration with CSIR-Indian Institute of Chemical Technology, Hyderabad.

AIP Conference Proceedings

RESEARCH ARTICLE | JANUARY 30 2024

Multi objective optimization of 3D printed PVA for biomedical application

Annam Vijay Kumar, Vahid Francis, A. Chandrashekhar

[Check for updates](#)

AIP Conf. Proc. 2962, 020617 (2024)
<https://doi.org/10.1063/1.5194272>



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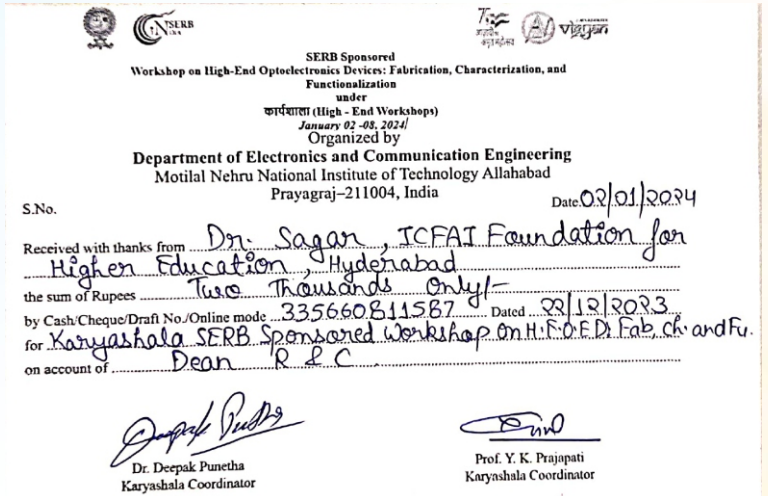
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Achievements Page

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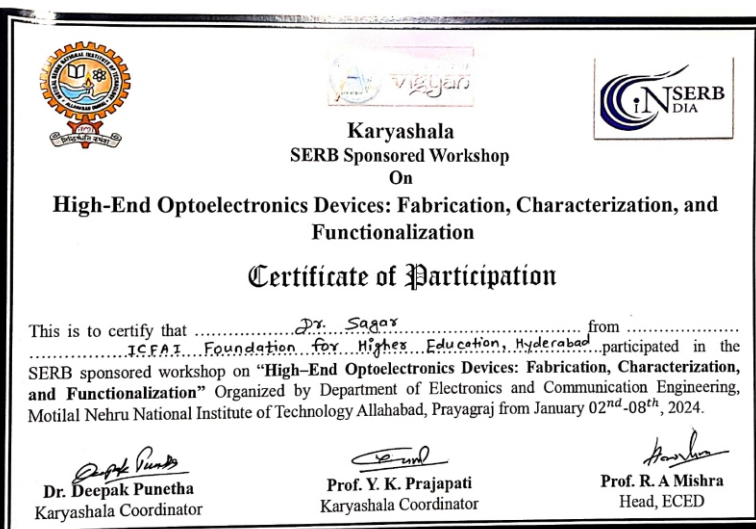


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Dr. B. Devena Raju, Assistant Professor, Department of Computer Science and Engineering published an article title “Safeguarding Privacy and Security in Seamless Connectivity Environment” in *Tuijin Jishu/Journal of Propulsion Technology* ISSN: 1001-4055 Vol. 45 No. 1 (2024).



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published an article titled “Tunable floating

Faculty Seminars

The Department of Electronics and Communication Engineering organized the following faculty seminars:

Title: Speech bandwidth extension using transform domain approach.

Speaker: Dr. N.Prasad

Date: 12th January 2024

Title: Energy Efficient VLSI Architectures for Error Resilient Applications.

Speaker: Dr. U Anil Kumar

Date: 19th January 2024

Department of Artificial Intelligence and Data Science organized the following faculty seminars:

Title: Intelligent IoT based Smart Farming Framework for Soil Moisture Analysis

Speaker: Dr. Rashmi Sahay

Date: 24th January 2024

Department of Computer Science and Engineering organized the following faculty seminars:

Title: EDR: Enriched Deep Residual Framework for Medical Image Reconstruction and Retrieval

Speaker: Dr. Rohini Pinapatruni, CSE

Date: 31st January 2024



EVENTS

AICTE SPONSORED FDP ON METAL ADDITIVE MANUFACTURING (25-30 December 2023):

The Faculty Development Program (FDP) on Metal Additive Manufacturing was

was sanctioned for this program. The workshop was organized by the Centre for Excellence in Robotics & Advanced Manufacturing, Department of Mechanical Engineering. The FDP was conducted in



sponsored by All India Council for Technical Education (AICTE) through the AICTE Training and Learning (ATAL) scheme. The Department of Mechanical Engineering, IcfaiTech, Hyderabad, is one of 3285 applicants that made it to the final approved list. An amount of Rs 3.5 Lakhs

offline mode. Sessions were conducted from 9:30 A.M to 5:30 P.M during 25th December to 30th December 2023. The resource persons identified are experts in the field from eminent institutions, R&D centers and industries like IIT, NIT, ISRO, ARCI(DST), Osmania University and Phillips machine tools. The FDP was successfully completed by 46 participants who attended at least 80% of the sessions and scored more than 70 % marks in the continuous comprehensive assessment conducted as per AICTE guideline. E-certificates were issued for these participants through AICTE-ATAL portal.



EVENTS

ICFAITECH HYDERABAD ALUMNI MEET 'QUINTESSENCE-2024' (6th January 2024):

Quintessence-2024, Alumni meet saw a great turnout of alumni attending the meet. In his inaugural address, honorable V.C, IFHE Hyderabad, Prof L.S.Ganesh noted the



immense contribution that Alumni makes in the growth of any institute. He stressed Importance of nurturing and strengthening alumni relations and benefits to the institute. Alumni brings latest trends and practices in the industry to institute and can contribute jointly in RnD. Dr K.L.Narayana, the Director IcfaiTech Hyderabad, praised the alumni

and invited them for actively assisting institute in updating curriculum and their involvement in conducting workshops for developing technical expertise, skills and practices for students. Dr Digvijay V Nair, faculty-in-charge, Alumni relations cell, thanked alumni for attending the meet and

outlined several initiatives that ARC has undertaken in strengthening alumni relations and building strong association. Students presented several cultural performances, in-house bands, music, enthralling the audience and

captivating them. The Alumni provided guidance, caution and steps that young



students need to take while in campus for building a successful career.

EVENTS

NATIONAL MATHEMATICS DAY(11th January 2024):

On the occasion of Srinivasa Ramanujan's birthday, Paritantra Club announced the winners of the Math Quiz conducted on November 29th. This event was a



celebration of mathematical brilliance and a fitting tribute to the legacy of the renowned Indian mathematician. Adding a special touch to the event, our college director shared an inspiring story about Srinivasa Ramanujan. The story highlighted Ramanujan's unique perspective, and demonstrated how he answered simple questions with profound mathematical theory.



NATIONAL YOUTH DAY (12th January 2024):

On the occasion of National Youth Day, the Yantrikee Club organized a coding event named "Code Craft Challenge" on January 12, 2024. The event saw enthusiastic participation from 83 engineering students across all years. The competition aimed to



foster coding skills and promote camaraderie among the participants. The event attracted participants from all years of engineering. Notably, students from the first, second, and third years played a significant role in making the event a success. The competition witnessed intense coding sessions, with participants



showcasing their problem-solving abilities and creativity. The diversity in the participants' years reflected the inclusive nature of the event. The



active participation of second and first-year students emphasized the potential and talent present in these budding coders.

EVENTS

NATIONAL STARTUP DAY(16th January 2024):

IcfaiTech Entrepreneurship Club organized a session on “StartUp Symposium” on 16 January, 2024 in the auditorium, from 03:30 pm to 04:45 pm. Students were



briefly taught about Start-ups and the main consequences faced by the entrepreneurs when they are introduced to the business market. The speaker for the occasion, Mr. M

Karunakar Reddy (Chairman of Smaat India Pvt. Ltd), gave a brief overview on each and every



segment associated with StartUp including ethics and morals. He insisted that “All the StartUps need not to be consistent, that is, if a product is found to be useful during one particular period of time, that doesn't imply that the requirement and consumption remains constant throughout every time period. It was an exciting session attended by students and faculties alike.



EVENTS

DEBATUS : DEBATE EVENT(23rd January 2024):

On January 23, 2024, LITGALOR organized the engaging “DEBATUS: Debate event” at the auditorium as part of the Debating the General Issues event. This special occasion is the club's creative way of encouraging students to take part and actively participate in a debate to display their talents. By actively participating in the debate on the subject of “Is Institution Responsible for Bullying” participants demonstrated their reasoning skills and oratory abilities. Judges were invited to observe the debate, render a decision, and assess the participants' argumentative strategies.



EVENTS

ONE-DAY WORKSHOP ON 3D PRINTING: (24th January 2024):



The poster features the ICFAI and IcfaiTech logos at the top. The main title is 'ONE DAY WORKSHOP ON 3D PRINTING'. Below the title, it specifies the date 'January 24, 2024' and time '9:30 am to 5:00 pm'. The venue is 'IcfaiTech, Hyderabad'. A QR code is provided for registration. At the bottom, it states 'Eligibility: Under Graduate and Post Graduate Engineering Students.' and 'Certificate: Certificates will be provided for all participants.' A red shield icon says 'NO Registration Fee'. The organizing body is the 'Centre for Excellence in Robotics & Advanced Manufacturing, Department of Mechanical Engineering'.

One-day Workshop on 3D Printing conducted by IcfaiTech, Faculty of Science & Technology, IFHE (Deemed-to-be University) Department of Mechanical Engineering, Hyderabad on 24th January, 2024. There were nearly 100 participants who registered for the workshop. The participants were from different disciplines like Mechanical Engineering, Civil Engineering, Electronics and Communication Engineering Computer science, Data science, Physics and Mathematics. The workshop was

inaugurated by our honourable director, Dr. K L Narayana, accompanied by Dr. G Suresh Kumar, Associate Dean of Academics, and Dr. Barla Madhavi, Head of the Mechanical



Engineering Department. The workshop was graced by the presence of Mr. Rakesh Kumar from NCAM, Hyderabad.



EVENTS

ONE-DAY WORKSHOP ON 3D PRINTING: (24th January 2024):





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