



## Icfai Tech Newsletter

### **From the Director's Desk**



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

The latest edition of the IcfaiTech Newsletter is brimming with accomplishments, highlighting the institution's commitment to academic excellence and holistic development. From noteworthy faculty achievements to vibrant campus events, the newsletter captures the diverse and dynamic spirit of the academic community.

The newsletter shines a spotlight on both student and faculty achievements, showcasing publications, patents, and participation in conferences. Notable mentions include the publication of a book chapter on machine learning, the grant of a patent on air pollution monitoring devices, and faculty members serving as reviewers and editors for esteemed journals.

The Faculty Seminars section underscores the commitment to academic enrichment, featuring seminars on CMOS technology and filter passbands. These events contribute to the continuous growth and knowledge sharing within the academic community. The Events segment provides a glimpse into the vibrant campus life, celebrating occasions such as World Entrepreneurs' Day, Teachers' Day, and World Smile Day. A remarkable achievement has been the institutional acknowledgement from NASSCOM for orchestrating the fastest certification drive. This was a milestone in the path of the growth of FST. Special mention goes to the "Synced Soul" Fitness Workshop, a collaborative effort with Cult Fit Gym, promoting physical well-being and community spirit through three days of diverse fitness activities. The Harmony Run and Blood Donation Camp exemplify the institution's dedication to health awareness and community well-being. The dual-event initiative successfully engaged students in promoting physical fitness and contributing to a noble cause through blood donation.

Overall, this newsletter serves as a testament to IcfaiTech's thriving academic environment, where achievements, events, and community initiatives converge to create a vibrant and enriching experience for all stakeholders.

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## Achievements Page



### Student achievement:

Keethi Adapa and Dr. Sudheer Hanumanthakari published a book chapter "Machine Learning based crop recommendation system" in Artificial Intelligence and Knowledge processing 2023. The book is published by Bentham Science Publishers

### Faculty achievements:

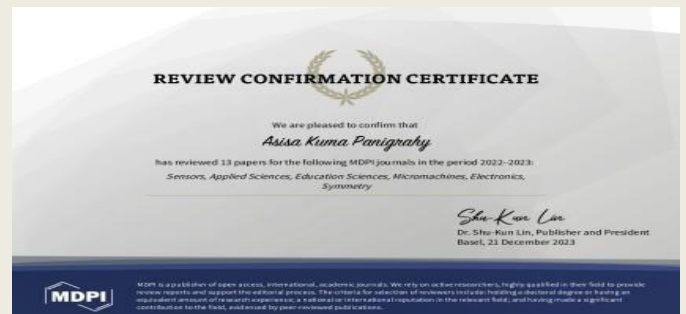
Dr. Pavan Kishore M.L., Assistant Professor & Head, Dept of Mechatronics has been granted a patent on "Air Pollution Monitoring Devices:Enhancing Environmental Sustainability and Public Health." He adjudicated the thesis of a PhD candidate from VELS University

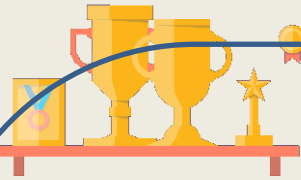


Dr. Asisa Kumar Panigrahy, Associate Professor of Department of Electronics and Communication Engineering was assigned as the Co-supervisor of a PhD candidate



from Centurion University. He was also certified for reviewing 13 research papers in the MDPI journal Sensors, Applied Sciences, Education Sciences, Micromachines, and Electronics. He has published the following articles—*Barrier and channel thickness engineering to optimize fin height for enhancement mode Al0.3Ga0.7N/GaN FinHEMT* in SCI indexed International Journal of Numerical Modelling: Electronic Networks, Devices and Fields (Wiley Publisher), *Minimization of Electrical Signal Interference with Appropriate Core Material for 3D IC at THz Applications* in Transactions on Electrical and Electronic Materials, and *Design and Comparative Analysis of FD-SOI FinFET with Dual-dielectric Spacers for High Speed Switching Applications* in the Springer journal Silicon. He has served as a "Session Chair" in ICMEET 2023 held at National Institute of Technology Mizoram, India during 06-07 October. He was appointed as Academic Editor of PLOS ONE journal and has served as Academic Editor on the Editorial Board of Journal of Nanomaterials.





## Achievements Page

Dr. Sirisha Potluri, Assistant Professor of Department of CSE, represented IcfaiTech in Career Utsav-2023 at Bangalore. She has highlighted USPs and higher education opportunities of IFHE Hyderabad in this mega educational extravaganza.



She chaired a session in Persom-2023, held in CBIT- Hyderabad, on 24th and 25th November 2023.

She has coauthored an article titled “Performance Analysis of Cycle GAN in Photo to Portrait Transfiguration Using Deep Learning Optimizers” published in IEEE Access, vol. 11, pp. 136541-136551, 2023, doi: 10.1109/ACCESS.2023.3337430.

Dr. Sirisha presented another paper titled “A Deep Learning Framework for Prediction of Cardiopulmonary Arrest” in the AIHC 2023

### Career Utsav begins, aims to reach out 1.50 lakh students



Bengaluru, December 9: The much-awaited education event – Career Utsav, began on Saturday at Tripura Vasini, Palace Grounds and it is aimed to reach out to more than 1,50,000 students in Bengaluru and Indore in two days.

Speaking after inaugurating the Career Utsav, Chetan Bhagat, an IIT & IIM Alumni and a banker before pursuing his passion to write and claim his dues as an author with many bestseller titles under his credits, has said the Career Utsav is an excellent initiative for our students. “The seminars and workshops on various topics will equip our students with all the information and knowledge they need to make informed career decisions. I really wish I had such a platform when I was in school,” said Chetan Bhagat.

He said that he is excited and looking forward to addressing the students this year too. More than 10,000 students from around 70 colleges attended the event. Around 30 workshops and seminars were organised to guide the students on their career. The students were provided free entry, free psychometric assessment worth Rs 3,000, free distribution of book ‘Careers After +2’, a common platform for institutes and aspirants, experience the real time ambience of Mock IIT-JEE & NEET, and cash rewards for top 100 achievers.

CA Mr Sriaj Jain, founder of K2 Learning, Dr M P Shayam, president of RV Group of Institutions, Mr Srikanth from ICFAI University, Mr Suhail Ahmed, Vice Chairman of Presidency University, Mr Raghav Mantri, founder and managing director of IES, and Dr Janarthan, Pro Vice Chancellor of Dayanand Sagar University were among those presented on the occasion.

Dr. Sirisha Potluri has presented a paper titled “Assessing Machine Learning Algorithms for Customer Segmentation: A Comparative Study” in the IEDTC Conference 2023, that was held between 17th and 19th October 2023, in virtual mode. International Conference, held in Bratislava, Slovakia in virtual mode, between 24th and 26th October 2023.







## Achievements Page



**Dr. Vivekananda Kukkala,**  
Assistant Professor, Department of Mechanical/Mechatronics Engineering, presented his research paper in the 9th International & 30th All India Manufacturing Technology, Design and Research Conference, organized by the Department of Mechanical Engineering, IIT (BHU) Varanasi during December 08- 10, 2023.



**Dr. Rashmi Sahay,**  
Assistant Professor, Department of Computer Science and Engineering, was invited to be a Session Chair for one technical sessions (Online) of 3rd International Conference on Computational Intelligence in Machine Learning, Hyderabad on 25th November 2023. The conference was organised by Geethanjali College of Engineering and technology, Hyderabad.

**Dr. Avinash Malladi,**  
Associate Professor – Mechatronics Engineering, has successfully completed online courses on Introduction to Artificial Intelligence, and Machine Learning. He also published the following three Indian patents— “Mechatronics X-YGantry Based System For Customized FRP Sheet” Manufacturing published with application number 202341075881 on 17th November 2023, “AI based semi-automatic window washing system for government buses” published with application number 202341075880 on 24th November 2023, and “Precision extendable robotic arm employing hydraulics and LVDT sensor” with application number 202341075879 on 24th November 2023.



**Dr. Rashmi Sahay, and Dr. S Kaushik**  
presented their research work titled "Intelligent IoT based Smart Farming Framework for Soil Moisture Analysis" in the 23rd International Conference on Intelligent Systems Design and Applications held on December 11-12, 2023. The conference was organised by Machine Intelligence Research Labs, USA.





## Achievements Page



**Dr. S. Kaushik**, Associate Professor, Department of Computer Science & Engineering has participated and contributed as a peer reviewer at International Conference on Emerging Techniques in Computational Intelligence (ICETCI 2023) organized by Mahindra University Ecole Centrale School of Engineering, Hyderabad, from 21-23 September 2023.



**Dr. S. Shakeel Hashmi**,

Assistant Professor, Department of Electronics and Communication Engineering has registered design patent on 5g Based Wireless Network Repeater. He has published an article titled Advancing Secure Mobile Cloud Computing: A Chaotic Maps-Based Password Key Agreement Protocol in the Ingénierie des Systèmes d'Information Vol. 28, No. 6, December, 2023, pp. 1669-1678.

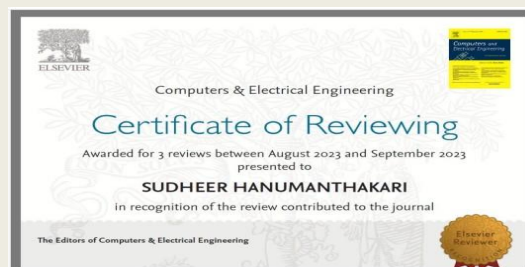


**Dr. Sudheer H**, Associate Professor, Department of Electronics and Communication Engineering, has been awarded a certificate of reviewing by Elsevier for 3 reviews in the field of Computers and Electrical Engineering.



He was also awarded a certificate for reviewing the manuscripts submitted in the “2023 IEEE 2nd International Conference on Industrial Electronics: Developments & Applications (ICIDeA 2023)” organized by the Electrical Engineering Department, NIT Manipur in association with the IEEE

Student Branch, NIT Manipur on 29th – 30th September 2023. He has successfully completed the NPTEL-AICTE FDP course on Introduction to Internet of Things and the NPTEL online course on Deep Learning.





## Achievements Page



### Dr. Durga Prasad Kavadi



Assistant Professor, Dept. of Computer Science and Engineering, has published an Indian Patent titled "Method For Privacy-Preserving Data

Analysis With Additive Homomorphic Public - Key Cryptosystem" with APPLICATION NUMBER: 202342070275, dated on 24/11/2023. He published a book titled "Fundamentals of Machine Learning: For Beginners" bearing ISBN Number: 978-93-5757-918-6 from Scientific International Publishing House in October 2023.



### Dr. Shyamala Reuben,

Assistant Professor, Faculty of Science and Technology presented a paper titled Childhood Trauma And Its Impact On Young Adults: An In-Depth Analysis In



Hyderabad in the SJU 1st International Conference on Multidisciplinary Research & Innovation (ICMRI-2023) organized by Internal Quality Assurance Cell (IQAC), St. Joseph University, Chumoukedima, Nagaland on 09th & 10th November, 2023.







## Achievements Page



### Dr. Nilanjana Debnath,

Assistant Professor,

Department of  
Mathematics and English,

presented a paper titled  
"Unexpected Enrichment":



Chitrita Banerji's *The Hour of the Goddess*  
and the Fashioning of a Postcolonial  
Gastronomic Bengaliness in the The 11th  
International Conference Synergies in  
Communication (SiC 2023), Bucharest,  
Romania (hybrid format) held between 26-27  
October 2023 organized by the Department  
of Modern Languages and Business  
Communication, Bucharest University  
of Economic Studies.



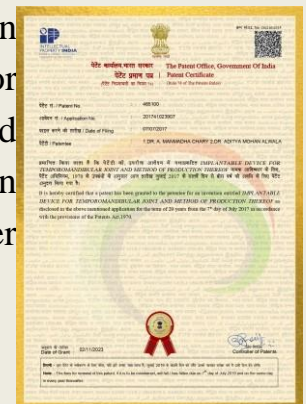
### Dr. Swathi Mulinti,

Assistant Professor, Department  
of Mathematics and English, has  
been designated as the Editor-in-  
Chief of The IUP Journal of  
English Studies.



### Dr. A. Manmadha Chary,

Associate Professor,  
Department of Mechatronics  
Engineering has been  
granted an Indian patent on  
"Implantable Device for  
Temporomandibular Joint and  
Method of Production  
Thereof" on 2nd November  
2023.





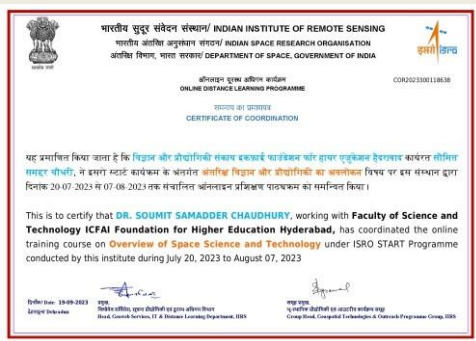


## Achievements Page



**Dr. Soumit Samadder Chaudhury,**

Senior Assistant Professor, Department of Electronics and Communication Engineering has coordinated the online training course on Overview of Space Science and Technology under ISRO START Programme conducted by FST IFHE Hyderabad during July 20, 2023 to August 07, 2023.



**Dr. Chandrashekhar A,**

Assistant Professor,  
Department of  
Mechatronics, published his  
38th article titled Enhanced  
Induction Motor Control  
Using Deep Reinforcement Learning and  
PWM with DTC in the Scopus and WOS  
indexed journal Electric Power Components  
and Systems.



He has successfully participated and completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on METAL ADDITIVE MANUFACTURING at THE ICFAI FOUNDATION FOR HIGHER EDUCATION from 25/12/2023 to 30/12/2023.

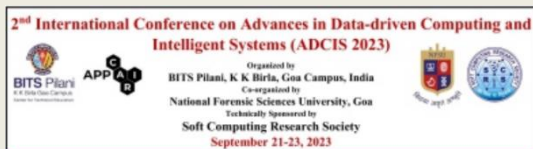


## Achievements Page



### Dr. K Adi Narayana Reddy,

, Associate Professor, Department of Data Science and Artificial Intelligence, served as a Program Committee Member and Reviewer in the 2<sup>nd</sup> International Conference on Advances in Data-driven Computing and Intelligent Systems held during September 21-23, 2023. He also served as a reviewer at “4<sup>th</sup> International e-Conference on Advances in Computer Engineering and Communication System organized by VNRVJIET Hyderabad, during 22<sup>nd</sup> and 23<sup>rd</sup> September.



#### Certificate of Appreciation

We appreciate the support and cooperation of K Adi Narayana Reddy as a Program Committee Member and Reviewer in the 2nd International Conference on Advances in Data-driven Computing and Intelligent Systems (ADCIS 2023) held during September 21-23, 2023.

Dr. Lokesh Chouhan  
General Chair

Dr. Snehanshu Saha  
General Chair

Dr. Jagdish Chand Bansal  
General Chair



#### CERTIFICATE OF APPRECIATION

This certificate is proudly presented to  
**Dr. K. Adi Narayana Reddy**  
for the tremendous effort and contribution as

Reviewer

at “4<sup>th</sup> International e-Conference on Advances in Computer Engineering and Communication System (ICACECS-2023)” held at Department of Computer Science and Engineering, VNR Vignana Jyothi Institute of Engineering and Technology (VNRVJIET), Hyderabad, Telangana, India and also co-located at The University of the West Indies (UWI), at Mona, Jamaica during 22nd and 23rd September 2023.

Dr. Lindon Falenmer  
Conference Programme Chair

Dr. D. N. Vasundhara  
Conference Programme Chair

Dr. D. V. Siva Kumar  
Conference Programme Chair

Dr. S. Nagini  
Head Department of CSE & CSBS,  
General Chair ICACECS-2023

### Dr. Dileep Kumar Murala,

Assistant Professor,  
Department of Science and Engineering, published five chapters in the book titled “Metaverse and Immersive Technologies: An Introduction to Industrial, Business and Social Applications”. The chapters are as follows—Metaverse: A Study on Immersive Technologies, Blockchain in the Development of Metaverse, The Role of Immersive Reality (AR/VR/MR/XR) in Metaverse, Artificial Intelligence in the Development of Metaverse, The Internet of Things in Developing Metaverse



### Dr. Thokala Soloman Raju,

Assistant Professor,  
Department of Physical Sciences, published a paper titled Butterfly- shaped and dromion-like optical similaritons in an asymmetric twin- core fiber amplifier in the Journal of the Optical Society of America B.





## Faculty Seminar



The Department of Electronics and Communication

Engineering organized the following faculty seminars:

1. Title: CMOS & Beyond

Speaker: Dr Asisa K Panigrahy

Date: 23<sup>rd</sup> November, Thursday

2. Title: Generation of High-Performance Multiple Filter

3. Passbands and their Independent Control

4. based on SIW Technology: A Design Insight.

Speaker: Dr. Soumit Samadder Chaudhury

Date: 24th July 2023, Monday



## Events at IcfaiTech

### WORLD ENTREPRENEURS' DAY (21st August 2023)

World Entrepreneurs' Day celebrations were proposed and initiated by the Institutions Innovation Council (IIC) of the University. World Entrepreneurs' Day was celebrated August 21st 2023 to recognize and honour the hard work, innovation, and contributions of entrepreneurs worldwide. Entrepreneurs play a pivotal role in driving economic growth, job creation, and societal progress.

In this connection, two events were organized, Seminar on Entrepreneurship and Start-up Competition (IDEATHON'23) for the students on Key Technologies under Industry 4.0.

The program was coordinated by Dr. V. A. Sankar Ponnappalli, Assistant Professor, ECE, and was held in the FST-Auditorium.





## IDEATHON WINNERS



1st Prize - AKSHAY SALUNKE (23FMUCHH010253) IBS – BBA



2nd Prize - AVUSULA VAMSHI (23STUCHH010163)- FST



3<sup>rd</sup> Prize - SAI PRAVALLIKA REDDY (23STUCHH010916)- FST

## Teachers' Day

(5th September 2023)

Asana Club recently celebrated Teacher's Day with a heartwarming gesture of appreciation.

The club members delivered personalized gratitude notes, each a small but meaningful token of thanks, to dedicated teachers. The event was filled with smiles and emotions as these handwritten notes expressed the deep impact educators have on students' lives. Later, students organized a cultural program along with a puzzle competition for the teachers. They distributed four sets of word search puzzles to the teachers. Each set was filled with some hidden words. Teachers dove into these puzzles, hunting for words. The competition had four winners, one from each set, who cracked the puzzles with speed and skill. It was a joyful moment for both students and teachers.

Asana club used colorful sticky notes to write little thank you messages and stuck these notes on each teacher's cabin door. It was like giving them a surprise gift! When the teachers arrived, they saw these notes with kind words and felt appreciated. Their smiles lit up the whole college





## **WORD SEARCH PUZZLES:**

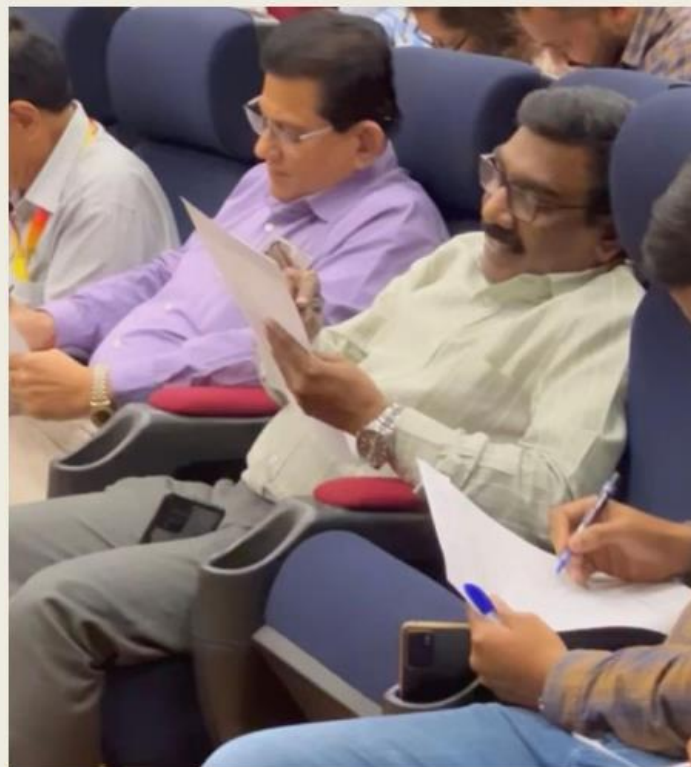
On teacher's day, the Asana Club added a twist to our celebrations by creating four sets of exciting word search puzzles for our teachers. Each set was filled with some hidden words. Teachers dove into these puzzles, hunting for words. We even had four winners, one from each set, who cracked the puzzles with speed and skill. It was a joyful moment for both students and teachers. These word search puzzles added a touch of challenge and fun to our Teacher's Day celebration, making it even more memorable. Our teachers appreciated the effort and creativity behind this unique way of expressing our thanks. And the winners from each set are:

SET 1: Dr. Loreina Pagag

SET 2: Dr. P. Rohini and Dr. Gautam kumar

SET 3: Dr. G. Suresh Kumar

SET 4: Dr. Sunil Das



## Welcome Waves – Induction Event (13 September 2023)

Asana Club, in its inaugural event following the formation of a new committee, extended a warm welcome to the incoming batch of students. This event, marking the debut of the semester, served as an insightful introduction to the club's diverse domains and offered an excellent opportunity for recruiting new enthusiasts.

The event unfolded with a multifaceted approach, encompassing engaging games, invigorating fitness challenges, and a creative platform through a short film and reel contest. These dynamic elements not only provided an entertaining and interactive experience but also offered a glimpse into the vibrant and multifarious activities that Asana Club has in





### Expert Talk (5th October 2023)

An expert talk on "The future of learning and fulfilling careers: A transformational approach!", by Mr. Venugopal Chepuru, CEO, SAMPRAD & Trained Arrow, (US, GCC, INDIA, BRAZIL) was organized for 3rd and 4th year students on 5th October, 2023 at 3:00 PM in FST auditorium.

### World Smile Day (6th October 2023)

The Asana Club joyously commemorated World Smile Day by a delightful affair in the heart of the caterpillar area. A charming photo booth adorned the space, replete with artfully curated stills designed to inspire fanciful poses for commemorative snapshots. Additionally, a thoughtfully arranged board awaited participants, encouraging them to graciously acknowledge the names of those cherished friends who bring warmth to their hearts and smiles to their faces. The event served not only as a celebration of the universal language of smiles but also as a heartfelt acknowledgement of the meaningful connections that brighten our lives.





## Synced Soul Fitness Workshop (11th -13th October 2023)

Asana Club, in collaboration with Cult Fit Gym, organized a three-day fitness workshop named "Synced Soul." This event was designed to promote physical well-being, mindfulness, and a sense of community among the participants. "Synced Soul" fitness workshop featured three dynamic days, each focusing on different aspects of well-being.



### Day 1

Kicked off with a spirited warm-up session led by a Cult Fit Gym trainer, ensuring participants were physically prepared. Home workout sessions followed, emphasizing the importance of maintaining fitness routines at home, with a focus on proper technique to reduce injury risk.



### Day 2

Focused on yoga, with participants experiencing various styles led by a skilled yoga trainer from Cult Fit Gym. Mindfulness and breathing exercises were incorporated, culminating in a group meditation session that left participants with a sense of serenity.

### Day 3

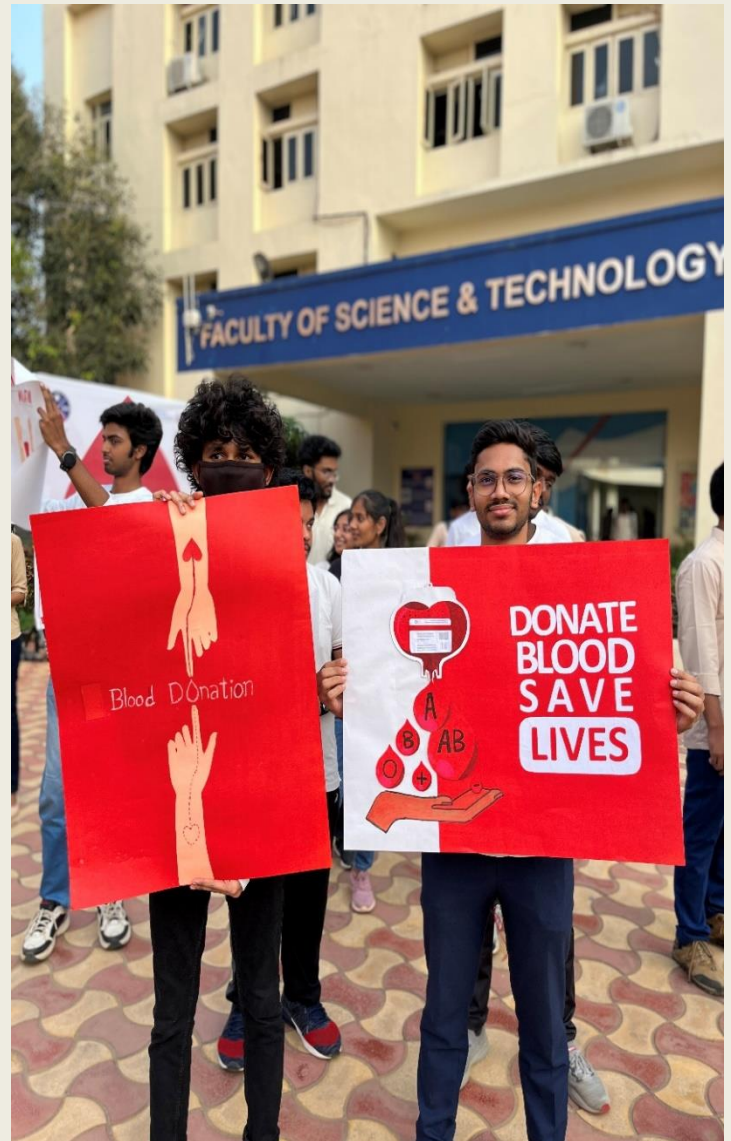
Celebrated movement and rhythm with Zumba dance led by a lively trainer from Cult Fit Gym. High-energy sessions, designed for all levels, were filled with fun and enthusiasm. The day concluded with a thrilling group dance, highlighting the importance of incorporating joy and creativity into fitness routines. Throughout the workshop, the collaboration with Cult Fit Gym added expertise and diversity, ensuring participants had a holistic and uplifting fitness experience.





## Harmony Run and Blood Donation Camp (15th November 2023)

Asana club recently organized a dual-event initiative to promote health awareness and community well-being. The event commenced with a spirited “Harmony Run” aimed at fostering a healthy lifestyle and culminated in a highly successful “Blood Donation Camp”. The run was strategically planned to precede the Blood Donation Camp, creating a vibrant atmosphere. A good number of student participated in the run, gathered at FST entrance, ready to embark on a route that traversed key locations on our campus, spreading awareness about the impending Blood Donation Camp. It brought together diverse individuals for a shared cause and enthusiastic participation from various segments of the community, fostering a sense of unity.





## Blood Donation Camp (15th November 2023)



## NASSCOM Certification Achievement Report (21st November 2023)

In a dedicated pursuit of excellence, IFHE Hyderabad embarked on a transformative initiative by formalizing a Memorandum of Understanding (MoU) with NASSCOM. Guided by our esteemed director, Dr. K L Narayana, faculty members of the Faculty of Science and Technology (IcfaiTech) inspired students from various years and disciplines to enthusiastically embrace the opportunity to undertake certification programs provided by NASSCOM's Future Skills platform.

Over 1700 students, spanning from the first to the final year, enthusiastically participated in one or more certification courses, focusing on areas such as Acquiring Data, Exploratory Data Analysis, and Cybersecurity Analysis and Design. Remarkably, nearly 99 % of the students achieved gold certification, reflecting the dedication and proficiency of the IcfaiTech community.



These certifications hold significant value for students, serving as tangible evidence of their acquired knowledge, skills, and learnings. Not only do these certifications distinguish them in the competitive job market, but they also serve as catalysts for expanding their future career opportunities. The formal recognition of their expertise through these certifications not only validates their capabilities but also positions them as standout candidates, poised to contribute meaningfully to their chosen fields. Recognizing the exceptional commitment of IcfaiTech students, NASSCOM acknowledged the institution for orchestrating the fastest certification drive. The accolade was presented to Dr. K. L. Narayana, Director of IcfaiTech, during the NASSCOM annual event, NASTech 2023, held on November 21st in Hyderabad. This achievement stands as a testament to IcfaiTech, IFHE Hyderabad's commitment to fostering a culture of continuous learning and excellence.





**Placement Orientation Session by Smart Interviews (18th December 2023)**



The training & Placement Department organized a special orientation session for the graduating class of 2025 on-campus placements and interviews. The group called “Smart Interviews” provided special training where they gave brief insights about the selection procedures of product-based IT companies and the skills required to secure jobs with competitive salaries. Smart Interviews have designed a seamless

Data Structures and Algorithms (DSA) course with the objective to train students and make them industry-ready. Their program bridged theoretical knowledge with practical hands-on exercises to ensure that students gained clear understanding of the core concepts while honing their problem-solving skills. The event took place in the FST auditorium from 10am onwards and had near full attendance from the 2025 batch students.



- ✉ [admissions.icfaitech@ifheindia.org](mailto:admissions.icfaitech@ifheindia.org)
- 📍 Location: IcfaiTech, IFHE Campus, Dontanpally Shankarpally, R.R Dist, Hyderabad - 501 203 Phone: 040 - 23479725 / 040 - 23479732
- 📞 Mobile: 8499848444, Call/Whatsapp: 9010377002

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