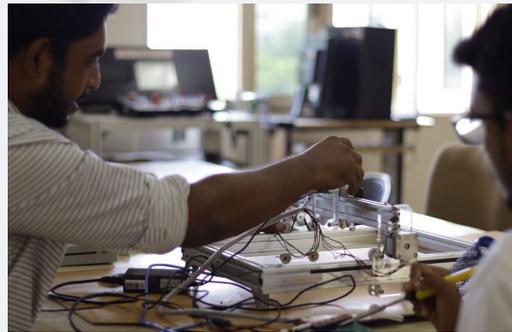


IcfaiTech Newsletter



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MESSAGE FROM THE DEAN

IcfaiTech, Hyderabad has gained a reputation for offering innovative professional programs aimed at equipping students and working professionals with cutting-edge knowledge in Science and Technology. The educational process at IcfaiTech, Hyderabad is embedded with multiple exclusive courses ensuring the holistic development of the students. As a result, our endowed students and faculty are achieving several accolades in their professional careers.

The students have been upholding the legacy of our Institute by being entrepreneurs engaged in developing environment-friendly vehicles, or by working on promising projects as Blockchain Developer. Our faculty immerses in establishing exceptional faculty-learner relationships allowing our students to learn in an erudite milieu.

Also, our ardent faculty engages in editing books that present pioneering applications of emerging technologies. Further, the vibrant ambiance of IcfaiTech, Hyderabad provides a conducive environment for the young minds to evolve themselves through webinars and training sessions as well as enable them to refresh and rejuvenate through fun events. These stand the crux of the October edition of the IcfaiTech newsletter which I heartily present to my readers. I would also like to take this opportunity to welcome the new director, Dr. K L Narayana, a successful academician having a prolific career spanning over 34 years. Looking forward to working alongside him to take IcfaiTech, Hyderabad to new heights.



**~ Prof. A. Vadivel,
Dean - IcfaiTech, Hyderabad**

WELCOMING THE DIRECTOR



IcfaiTech, Hyderabad ardently welcomes Dr. K L Narayana as the Director of the Institute. His early career commenced with B.Tech in Mechanical Engineering from Nagarjuna University, M.E. from Sambalpur University, and Ph.D. from Andhra University. With a gamut of accolades, Dr. Narayana's career sprawled over 34 years, and his vast experiences encompassed the domains of engineering education, research, administration, projects, and training.

Previously, Dr. Narayana was associated with K L University where he built up a successful R&D practice centre. His keen interest in innovation fostered a culture of scientific invention wherever he carried his legacy. Also, his immense popularity as a teacher won him the Best Teacher Award innumerable times.

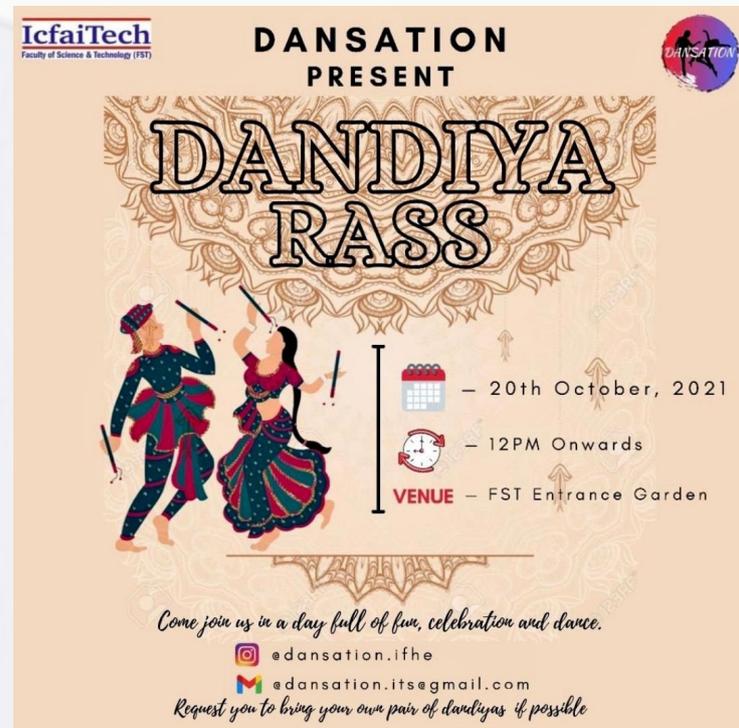
IcfaiTech, Hyderabad is delighted to have Dr. Narayana as a mentor providing ample opportunities to the students to emerge as leading professionals. Leveraging on his extensive experience, IcfaiTech, Hyderabad will adopt appropriate policies to accomplish its purpose of providing cutting-edge education to the youth of the nation.

CAMPUS HAPPENINGS

The Dandiya Raas Utsav

The cherished country-wide prevalent festival, Navratri, witnesses the youth dancing to their heart's content to the tunes of folk music. Navratri is when Goddess Durga and the several forms of the Hindu deity are worshipped through a period of nine nights. Every community amasses to be a part of the Dandiya Raas, an enchanting dance form originated to honour Goddess Durga.

Dansation Club of IcfaiTech, Hyderabad organized Dandiya Raas on 20th October 2021 at the FST Entrance Garden. The lawn of the campus beheld young students swirling around in ethnic attire, adding an energetic fervour to the atmosphere.



Abiding by the Covid 19 norms stated by the Government, the glitz and glitter of the event soaked the campus in festive euphoria that remained with the students for days.

CAMPUS HAPPENINGS

Reopening of Campus

The University Grants Commission (UGC) dispensed guidelines for reopening higher education institutions in phases, gearing up the Institutes to reopen for the students. With Covid cases declining, and students as well as faculty receiving doses of anti-Covid vaccines, the Management of IcfaiTech, Hyderabad affirmed that the final-year students will be allowed to return to the campus, thus, facilitating academic and placement procedures.

Adhering to every protective measure, IcfaiTech, Hyderabad set stringent policies to ensure physical distancing, and sanitization, providing the final year students with opportunities pertinent to physical training and tutoring.



Understanding that appropriate institutional planning is fundamental for the safe reopening of the campus and seamless conduct of the teaching-learning process, IcfaiTech, Hyderabad has developed cautious strategies in advance and reopened the campus for the final year students from 4th October 2021.

CAMPUS HAPPENINGS

Celebrating Graduation

The 11th Convocation of IFHE, Hyderabad was organized on 8th October 2021 at 11 AM. IcfaiTech, Hyderabad, a constituent of IFHE commemorated the graduating batch of students, congratulated them and wished them luck for their future endeavours.



The occasion commenced with an opening statement by Dr. Mahindra Reddy, Vice-Chancellor, IFHE, Hyderabad. Welcoming the distinguished guests, Dr. Mahindra Reddy saluted the perseverance of the students in achieving the great milestone of their graduation in these testing times. Further, he flaunted the immense achievements of the University, informing the audience regarding the newly launched courses, memorandums signed, and research works executed by the esteemed faculty of IFHE, Hyderabad.



The Chief Guest, Prof. D. P. Singh, Chairman, The University Grants Commission, New Delhi emphasized that this Convocation is merely the beginning of the phenomenal journey of the young minds. Leveraging on the legacy of the Institute, he believes that the students will contribute substantially towards transforming the nation and society. Further, he encouraged the graduating students to showcase their uniqueness, creativity, and adaptability in their pursuit of professional excellence. He advised, “Do not hesitate to experiment with new ideas that address the ongoing complex issues and challenges faced by the society”.



The Convocation was presided by Dr. C. Rangarajan, Chancellor, IFHE, Hyderabad. Dr. Rangarajan recommended the students broaden their perspective to meaningfully impact society. He acknowledged that the future of the students is intertwined with the future of the nation. Shaping the economy, being the leaders of change, and spreading equality to ensure that the underprivileged communities share the benefits, will be the primary tasks of the emerging professionals of this country. He also urged the Government to allocate more funds in the educational sector bestowing them with the freedom to innovate and experiment.

The incessant efforts of the students were rewarded during the event. Tushar Sharma, B.Tech., and Gunna Sai Vishal Reddy, B.Tech, were awarded the Gold Medal and Silver Medal respectively for Academic Excellence. In addition, the Bank of Baroda Medal – First Rank for All Round Excellence was conferred to Dalijet Shanmukhi Priya, B.Tech., whereas the Second Rank was awarded to Cheruku Avinash Reddy, B.Tech., and the Bronze Medal was received by Kolli Mahidhar, B.Tech.

Concluding the ceremony, Dr. M. Srinivasa Reddy, Director, IcfaiTech, Hyderabad requested Dr. C. Rangarajan to present the graduating degrees to all the students of IcfaiTech, Hyderabad. Culminating into a grand event, the ceremony closed with a moment encircling nostalgia, pride, and remembrance of the joyous learning experience witnessed by the students of the Institute.

CAMPUS HAPPENINGS

Placement Cell organizes a session to augment Cognitive Skills

To bridge the gap between corporate and academic ecosystems, the students need professional training in the technical domain as well as in soft skills. Considering the competitive scenario, there is an imperative need to provide soft skill training to the students while their technical acumen is incessantly enhanced throughout the academic years. Department of Placement, IcfaiTech, Hyderabad organized a program designed exclusively to augment the cognitive skills of the students. Mr. Sreenivas Rao Vedurumudi, having 25 years of experience in the corporate sector, shared insights on career cycle, self-evaluation, and industry requirements.



The poster features the ICFAI Foundation for Higher Education logo at the top left, with the text '(Deemed-to-be-University under Section 3 of the UGC Act, 1956)'. To the right is the IcfaiTech logo, 'Faculty of Science & Technology (FST)'. The main text on the left reads: 'Topic: Grow ICFAI Techies, Get Ready for Opportunities to Work, Campus to Corporate, Classrooms to Cubicles, Confusions to Conclusions'. Below this is the speaker's name, 'Sreenivas Rao Vedurumudi, Corporate Trainer | Business Coach'. On the right is a photo of Mr. Sreenivas Rao Vedurumudi, a man with glasses and a mustache, wearing a brown jacket. At the bottom, there are social media links: 'https://www.facebook.com/IFHEHyderabadOfficial/' and 'https://www.youtube.com/IFHEofficial/live', along with the date and time 'Sept.23,2021 4:30 pm' and a calendar icon.

Concluding the customized program, Mr. Sreenivas enabled the learners to understand, internalize, and implement the art & science of resume preparation. The webinar empowered our students to emerge as goal-oriented students, highly motivated, and prepared to excel in the placement drives and their professional life.

STUDENT ACHIEVEMENT

Living in the Future: Eco Friendly Bike

Shashank Reddy, B.Tech., 2017-2021 batch, IcfaiTech, Hyderabad has created Eco-friendly electric and power-assisted bikes, steering individuals towards green transportation. IcfaiTech, Hyderabad organized a workshop led by Mr. Shashank, and supported by Dr. Movva Pavani, Faculty Coordinator, Department of Electronics & Communication Engineering on "Electronic Bike". Arranged on 12th-13th October 2021 from 9.30 AM to 4.30 PM, the boot camp introduced the participants to Hub Motor, Motor Controller, Battery Management System, Battery Pack and Assembly, Frame Modelling, and Smart Features Integration of the E-Bike.

Shashank shared excerpts of his journey from being a Fresher at IcfaiTech, Hyderabad to becoming the young and environmentally responsible entrepreneur.

“

I'm Shashank, an ordinary B.Tech. student with passion. Seeking knowledge and curious about the world of engineering, I taught myself the basics of key fields of engineering and accumulated tremendous amount of knowledge in Software. My passion towards racing and EV trend gave me the unique opportunity of working with Automotive Tech.



We are Ermin Automotive. Adithya Vardhan - our Product Director and COO was a BBA graduate from ICFAI Business School. Adithya and myself are the founders and we are supported by our amazing team of engineers and designers.

One of the Key problems in EV industry has been the range of the vehicle. I started working on a regeneration module that would harness the energy being wasted in the vehicles and charge the battery. Though Initial tests improved the range by 30%, we are now at 65%.

Our Bike would be equipped with technology that would improve the range, battery life and decrease the total cost of ownership of an EV vehicle.



The E-bike comes with a top speed of 125 kmph and a range of 250+ Km on a single charge. Another distinguishing feature of our bike is the Adaptive drive. We are using ML and AI to adapt the bike to the user's driving patterns and behaviour while also adapting to the weather and terrains.

The development of bike was not easy! A general YouTube video would show you how to fit a motor to the battery and make a DIY Electric bike. The actual research, development, prototyping, testing and re-work are 10,000% harder and require a vast amount of knowledge, insightful experience and proper infrastructure.

When you are a college student with basic knowledge of engineering and no one to guide, you tend make mistakes even in the simplest of things. Most of the things we figured out at Ermin in first year could have achieved if we had an industry and area experts.

lcfaiTech, Hyderabad - the source of vast amount of knowledge, insightful experience and infrastructure. Several iterations, re-working and other mechanical jobs have been done in the lcfaiTech workshop, the knowledge and experience of ICFAI Law school helped us with legalities, and securing IP rights. Professors with knowledge and network have been a significant support. However, building a prototype is a project not a business. A business establishment requires registrations, regulations, permissions, legal filings, talent screening and hiring, establishing work culture, managing grievances, office, monthly utilities, funding and a hundred others things. Furthermore, making a standard model and establishing a manufacturing line for the product we develop remains a real challenge.

Through perseverance and a great team, we now have 2 products in the company. A smart cycle - Ermin Miles and an E-bike. We are 96% done with the cycle and about to launch it into the market in a few weeks while we are aggressively working on our bike to make an MVP by the end of the year.

Talent pool in EV industry is very limited and I recommend Freshers and students of other years to explore the growing EV industry. We are in a great need of EV enthusiasts with skills in embedded systems, mechanical analysis & simulations, Battery management systems.

Hope each and every student choose their area of passion and would contribute to the industry.

Wishing every student remarkable years ahead. ”

**-Shashank
An Enthusiast**

STUDENT ACHIEVEMENT

An interaction with the Blockchain Developer

Parv Garg, 2017-2021 batch, IcfaiTech, Hyderabad has been performing phenomenally at Senary Ventures on a project called Rigor, a home construction project built on ethereum. Parv receives a whopping 1400\$ / week for working on this innovative project. He also freelances on other projects, including a project titled Plaza, a Web3 development studio, and receives a rough compensation of 500\$ / week.

In an interaction, Parv reiterated the tale of being a successful Blockchain Developer.

Introduce yourself.

I am Parv Garg, a student of the 2017 batch of IcfaiTech. I am a Solidity | Full-Stack Blockchain Developer. Currently, I am working both full-time and part-time. Full-time with Senary Ventures on project Rigor. Part-time with Plaza and Upwork on various small projects. I am fond of learning new things, especially technological, and building applications that benefit society. Binge-watching and driving are my favourite leisure.



Briefly introduce us to your body of work.

As I mentioned, I am a Solidity | Full-Stack Blockchain Developer. Primarily, I develop smart contracts that are written in Solidity Language. These smart contracts are meant to be run on multiple EVM compatible machines, such as Ethereum, Polygon, Binance Smart Chain, etc. Secondly, I help in developing other stacks that combine to complete a decentralized app, an app backed by smart contracts. Some stacks that I have worked on:

- Solidity Smart Contracts: creating, testing and audit
- React Frontend
- MongoDB Backend
- Node.js Server
- Javascript and Typescript languages

Tell us what intrigued you about the discipline that you are working on.

Frankly, I love to code. I have been coding since secondary school. It feels great to think and generate a piece of code that helps society. With Blockchain, it's even more pronounced. Building on Blockchain is a completely open and community-driven process. There are no copyrights. Everyone is open to use others' work and build on top of that. Empowering and building the blockchain space is truly a great feeling.

Your reason for choosing IcfaiTech, Hyderabad.

After the 12th class, I was in a very confused state. I didn't know which college or stream to take. During my college visit at IcfaiTech, I remember talking to K. Vara Prasada Rao Sir, he asked me several questions that really helped me in making my mind and guided me in the right direction. Hence by the time I saw the campus and talked to K. Vara Prasada Rao Sir, I was sure about completing my B.Tech here.

Your academic experience at IcfaiTech, Hyderabad.

My academic experience at IcfaiTech Hyderabad has been phenomenal. I am grateful to all the great teachers here. They helped me learn and make the right decisions. A special thanks to Dr. Sandeep Kumar Panda, he was the first to introduce me to Blockchain and other new technologies. He encouraged me to choose and domain and work hard in it. Most of my carrier choices were taken for his help.

How did the curriculum, faculty, and other facilities offered by IcfaiTech, Hyderabad shape your career?

Here at IcfaiTech, we have regular and systematic academic assessments. These taught me to stay active and learn every day. Regular assessment really keeps us motivated to work and learn consistently every day.

What were the unique opportunities offered by IcfaiTech, Hyderabad?

IcfaiTech really encourages students to have external work experience in form of internships. These internships really helped me to understand how a firm functions. This helped me understand the requirements and skill set required to be a good software developer.

Any other experience that you would like to share?

I would most sincerely like to thank our Vice-Chancellor, Director, Dean, and all other faculty members at IcfaiTech for making me who I am today. Thank you for blessing me with education and wisdom.

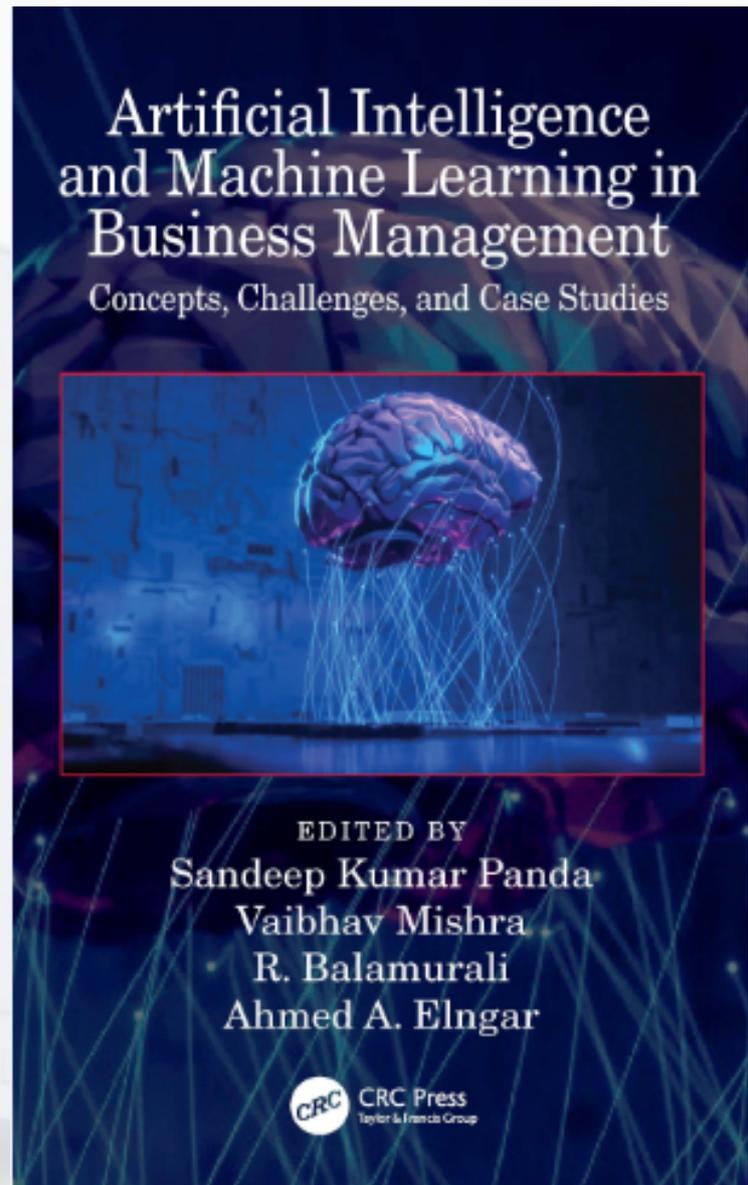
FACULTY ACHIEVEMENT

Applying Artificial Intelligence and Machine Learning to enrich Business Management



Dr. Sandeep Kumar Panda, Associate Professor, Department of Data Science & Artificial Intelligence, IcfaiTech, Hyderabad, and Dr. R. Balamurali, Assistant Professor, Department of Computer Science & Engineering, IcfaiTech, Hyderabad, along with other scholars have collaboratively edited a book titled "Artificial Intelligence and Machine Learning in Business Management: Concepts, Challenges and Case Studies".

Published by Routledge - Taylor & Francis Group, the book introduces the fundamentals of artificial intelligence (AI) and machine learning (ML) technologies in the context of business management. The book gives insights into the implementation and impact of AI and ML on business leaders, managers, technology developers, and implementers.



With the maturing use of AI or ML in the field of business intelligence, this book examines several projects with innovative uses of AI beyond data organization and access. Taking a multidisciplinary approach for using AI, this book provides a single comprehensive reference resource for undergraduate, graduate, business professionals, and related disciplines.

FACULTY ACHIEVEMENT

*Dedication rewarded with the
“Shri N J Yaraswy Best
Teacher” award*

Dr. Sudheer Hanumanthakari, Assistant Professor, Department of Data Science & Artificial Intelligence & Chairperson - Registrations and Academic Counselling, IcfaiTech, Hyderabad has received the illustrious “Shri N J Yaraswy Best Teacher” award during the 11th Convocation – IFHE, Hyderabad. During an interaction, Dr. Sudheer candidly shared a peek into his professional journey of becoming the “Best Teacher” from being a young student with a passion for spreading knowledge.

How do you feel upon receiving this award?

It's a great pleasure and honour to receive the best teacher award and I am grateful to the Management of IFHE - Advisor sir, Dean, and Director of IcfaiTech for considering me for the honour. It is highly motivating when your hard work is recognized and appreciated. It helps you to improve yourself in all aspects.



Tell us about the diligence & hard work that went behind winning this award.

Working as a teacher or a professor requires immense preparation and dedication. I have always tried to keep myself updated with all the new software and hardware and have an open approach to new ideas and experiments. Attending different learning programs, conferences, and writing journals enable me to apply fresh ideas. I would like to thank the students and my colleagues who keep on motivating me to explore new fields in Engineering and share their ideas related to research. Apart from Academics, working for the institution's growth in terms of administrative jobs like Registrations & Academic counselling of students helped me to gain insights about the present generation of students which in turn helped me to use the latest ICT tools in Teaching. The special projects and use of modern simulation tools to explain the basic concepts to the students helped me to teach the subjects in a better way.

Shed light on your relationship with the students.

There should always be a win-and-win situation between a teacher and a student as to what is delivered is received in the same manner. I have always kept myself approachable and maintained a positive and patient attitude towards the students who needed me whether in a subject-related query or any kind of personal problem. Encouraging and motivating the students to participate in different activities improves their morale and praising them from time to time for their good work has always helped me grow.

Who or what is your inspiration behind choosing this profession?

My mathematics teacher during my high school days inspired me to opt for the teaching profession. Since my school days, I have a habit of reading the topics going to be covered in the next class. The approach and explanations chosen by our teachers simplified complex problems. Even during my undergraduate studies, I used to teach my friends and help them in understanding the concepts. My journey to select teaching profession is due to my passion for teaching. Even though I had other opportunities after my graduation, I preferred this profession.



How did IcfaiTech, Hyderabad help you grow as a faculty?

IcfaiTech is one of the best colleges I have ever worked with. Since 2011, I am working in this Institute. The environment over here always provides a path for self and institutional growth. A positive approach is the key for any kind of success be it professional or personal and I found this in IcfaiTech. It has helped me a lot to grow as a faculty and as a person. It not only helped me to improve my knowledge but also developed leadership skills. Different work culture, encouragement from the seniors definitely boosts the morale. Making me the coordinator in various programs and works of college ushered me a step closer to the college and the student. Also, being the Coordinator of Registrations, I began understanding the process and the efforts made by the college to gather the best students and counsel them appropriately to move forward in the right path.



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