

JULY 2021 | VOL. 1

IcfaiTech NEWSLETTER



Inside the monthly issue

Accolades

Functioning in the Pandemic

Young Achievers

Campus News

Advancing Collaborations

Faculty Corner

Pioneering Research

Alumni Corner

FROM THE DEAN'S DESK

As the Dean of IcfaiTech, Hyderabad, it is a rewarding experience for me to be associated with this Institute inherited with a rich experience in offering quality engineering education. In today's technologically driven economy, where we witness rapidly evolving concepts and tools pertaining to science and engineering, we at IcfaiTech, Hyderabad believe in dynamically transforming our courses and programs. We trust that a broad-spectrum education in engineering and technology is fundamental to ensure the holistic development of our students for a better future where they will contribute substantially to the development of the nation. I take this opportunity to inform our readers that IcfaiTech, Hyderabad has many firsts to its credit, like our dual degree program, broad-based curriculum, programs like B. Tech course in DSAI, and much more. Also, we have a highly efficient team of faculty members who mentor the budding engineers to become proficient professionals revered globally.

I am happy to present our first newsletter of IcfaiTech, Hyderabad that highlights the academic activities, as well as the laurels achieved by our exceptional students and faculty members. It is a glimpse of the various engaging activities that are embedded in the core of our Institute. Encapsulating the diverse portfolio of IcfaiTech, Hyderabad, the newsletter will disseminate the view, vision, and value of our Institute. Finally, appreciating my team's effort in shaping this newsletter, I welcome all my audience to embark on this fascinating journey of unveiling IcfaiTech, Hyderabad.



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

ACCOLADES

Excellency of IcfaiTech awarded by Times Engineering 2021

To determine the best engineering colleges in the country, Times Engineering has conducted its 7th survey in 2021. Considering the infrastructure, faculty, curriculum, industry interaction, pedagogy, research orientations & focus, global exposure, placement, and overall brand value, Times Engineering followed a robust approach to arrive at the final rankings where they declared IcfaiTech, Hyderabad as the leading private institute in terms of placement, infrastructure, and research capabilities. Also, our institute has been ranked 1st among 25 private engineering institutes in Telangana. Times Engineering has also commemorated IcfaiTech, Hyderabad as the 5th among 20 private engineering colleges located in South India. Immense perseverance and the resilience to provide quality education have enabled IcfaiTech, Hyderabad to receive the prestigious rankings that will inspire the institute to enhance its horizon of imparting knowledge, empowering its students to emerge as global professionals.



IcfaiTech, Hyderabad

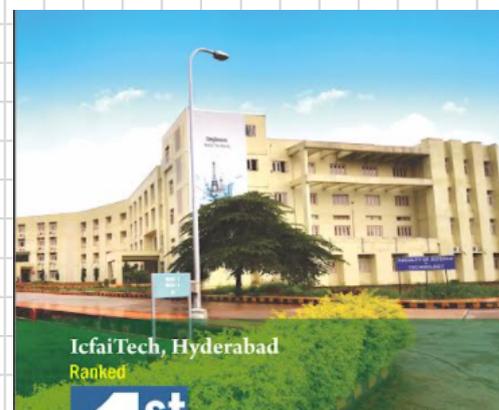
Ranked

1st

Among Top 25 Private Engineering Institutes

in Telangana

TIMES ENGINEERING 2021



IcfaiTech, Hyderabad

Ranked

1st

Among Top 10 Private Engineering Institutes Placement

Among Top 10 Private Engineering Institutes Research Capabilities

Among Top 10 Private Engineering Institutes Infrastructure

in Telangana

TIMES ENGINEERING 2021



IcfaiTech, Hyderabad

Ranked

5th

Among Top 20 Private Engineering Raking Institutes

in South

TIMES ENGINEERING 2021

FUNCTIONING IN THE PANDEMIC

Surpassing hurdles and reinventing education

The COVID-19 pandemic has initiated the largest disruption of education systems in history, stimulating innovation within the education sector. The unprecedented crisis resulting from the pandemic has compelled the education system to reinvent its pedagogy. Given the abruptness of the situation, teachers and administrators had to establish remote learning systems swiftly.

At the onset of the crisis, diligently following the government rules, IcfaiTech, Hyderabad shifted to the online teaching medium – Moodle, The Learning Management System used by the institute. Moodle enables the faculty members to design the workflows, teaching content, study materials, tests, and assignments, enriching the students with an excellent learning environment. Further, ensuring personal interaction, one-on-one practice sessions, and our faculty organized doubt clearing sessions.

The institute remained uncompromised with the education of the learners, and the faculty members have been making relentless efforts to ensure that the student's academic progress remains unimpeded. Applauded by the students for the unwavering commitment coupled with the need to ensure seamless functioning of the institute, the faculty members are reporting to the campus with 50% strength on alternative days, along with taking classes online for the advancement of the learners.

YOUNG ACHIEVERS

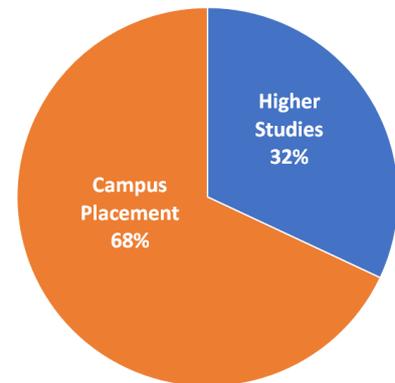
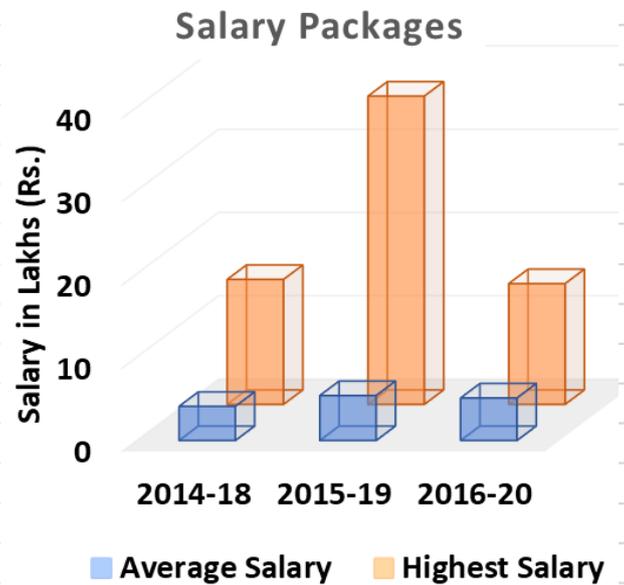
Brilliant students bag dream job offers

Enduring the onslaughts of the raging pandemic, the Department of Placements of IcfaiTech, Hyderabad assisted in placing the B.Tech students of the 2017-2021 batch through the virtual platform. The resilience of the students of IcfaiTech coupled with the dynamic educational training programs offered by the Institute has empowered the exceptional students to prove their mettle in the placement 2021 and bag enviable job offers.

Since the inception of the placement season, reputed companies such as Paymatrix, Apollo Telehealth, Accenture, Brane Enterprises, Jaro Education, Somish Block Chain Lab, and many others have virtually visited the campus to recruit our brilliant students. Throughout the placement season, 36 students of CSE, 6 students of ECE, and 2 students of ME have made IcfaiTech proud by cracking job offers with the highest package of 8.1 LPA.

“

The curriculum structure was very helpful. Through special projects and specifically with the Internship Program which is a live exposure to various ongoing projects, we enhanced our skills in solving real-life problems by implementing our classroom knowledge.



Among the prodigious students of IcfaiTech, NITISH GATTEPALLI from the Department of Computer Science Engineering excelled in the recruitment drive conducted by Paymatrix, a company operating in the financial sector, to receive the job offer with the highest pay package of this season. Expressing his gratitude to IcfaiTech for the opportunity to outshine in the technical round of the interview process, NITISH says, “The curriculum structure was very helpful. Through special projects and specifically with the Internship Program which is a live exposure to various ongoing projects, we enhanced our skills in solving real-life problems implementing our classroom knowledge.”

With the vision to create top-notch engineers, IcfaiTech has gained the reputation of being a prominent destination for recruiters. Also, IcfaiTech has been relentlessly preparing the students to overcome hurdles keeping them from excellence, further propelling them to bask in the glory of success.

CAMPUS NEWS

Enthralling webinar on Data Science and Artificial Intelligence

In the words of our honorable prime minister, "Data is the new oil." With the Government of India's digitization initiative, it is a matter of time that the supply chain of various enterprises, including SMEs (Small and Medium-size Enterprises), will become digital. Data Science will be the key enabler in monitoring and keeping track of different performance metrics that will facilitate critical decision making.

In order to facilitate the transformation from legacy systems to digitization, various machine learning and deep learning algorithms will play a crucial role. Enterprises are adopting AI and ML rapidly to gain market insights for forecasting, analyzing demographics, and driving numerous other business processes. In the words of the globally renowned computer scientist Andrew NG, "AI is the new electricity. It will transform every industry and create huge economic value."

IcfaiTech, Hyderabad in association with - IBM POWER/OpenPOWER Systems presents an enthralling webinar on Data Science and Artificial Intelligence on 22nd July 2021 at 7 PM. Organized by Dr. Vadivel Ayyasamy, Senior Professor and Dean, IcfaiTech, Hyderabad, and Ganesan Narayanasamy, OpenPOWER leader, Education and Research IBM Systems, the webinar will illumine the audience on the basics of Machine Learning, Data Science, and Artificial Intelligence's latest solutions. During the webinar, the world's leading innovators across industry, research, and Public Sector will discover advances in deep learning tools and techniques. While Dr. Vadivel Ayyasamy and Ganesan Narayanasamy will initiate the webinar with an introductory session, Clarisse Hedglin, IBM Systems, USA will precede a discussion on "AI and Machine Learning", Dr. Addison Tsai, Data Science Economist, MIT, and Berkeley will share insights on "Customer Life Time Value", and Srinivasan, CEO Quantum Ventures, USA will address on "Future of Technology".



**Clarisse Hedglin , IBM Systems,
USA**



**Srinivasan , CEO, Quantum
Ventures , USA**



**Ganesan Narayanasamy,
OpenPOWER leader in
Education and Research, IBM
Systems**



**Dr Vadivel Ayyasamy , Senior
Professor and Dean, IcfaiTech,
Hyderabad**

CAMPUS NEWS

Expert Webinar on “Entrepreneurial Funding” by Mr. Rajiv Vaishnav

In the dynamic modern era where disciplines of education are blurring to craft paths for innovative thinkers, learning the basics of entrepreneurship becomes elemental in creating opportunities, instilling confidence, ensuring social justice, and stimulating the economy.

IcfaiTech, Hyderabad – a constituent of ICFAI Foundation of Higher Education presents Expert Webinar on “Entrepreneurial Funding” by the eminent invited speaker, Mr. Rajiv Vaishnav. He is the Managing Director of Cornerstone Venture Partners, along with being on the “board” of multiple companies. Mr. Rajiv will use his proficiency sprawling across the realms of business, entrepreneurship, and management to orate on the DNA of entrepreneurship, startups, and ventures. Organized on 23 July 2021, at 6.30 PM, the webinar will enable the budding entrepreneurs to learn the strategies of establishing a rewarding business.

ICFAI Foundation
for Higher Education
(Deemed-to-be-University under Section 3 of the UGC Act, 1956)
Autonomous Institution, Accredited by NAAC with 'A+' Grade

Expert Webinar on Entrepreneurial Funding



**Mr. Rajiv Vaishnav
Speaker**

- Managing Partner, Cornerstone Venture Partners
- Member of Gen. Body & Governing Council of Maharashtra State Innovation Society
- National Advisory Board Member, SME Chamber of India
- Exec Chairman (Hon.), Start-ups Council of India
- Rajiv is on the Board of multiple companies
- Served as Head - Ecosystems & Partnerships, GenNext Ventures Fund at Reliance Industries Limited
- Rajiv was Vice President, NASSCOM between 2002-15
- He was Director, TiE between 2000-02, and Regional Director, Indo-American Chamber of Commerce, in 1999-2000

**23 July, 2021
6:30 pm**

Key Takeaways

- The DNA of an Entrepreneur
- What does it take to work for a Startup Company?
- Do's and Don'ts in a pitch deck by a startup seeking funds
- What do you need to build your own venture?
- What does a VC look for in a founder?

Follow Us on   

[Click here to Register](#)



ADVANCING COLLABORATIONS

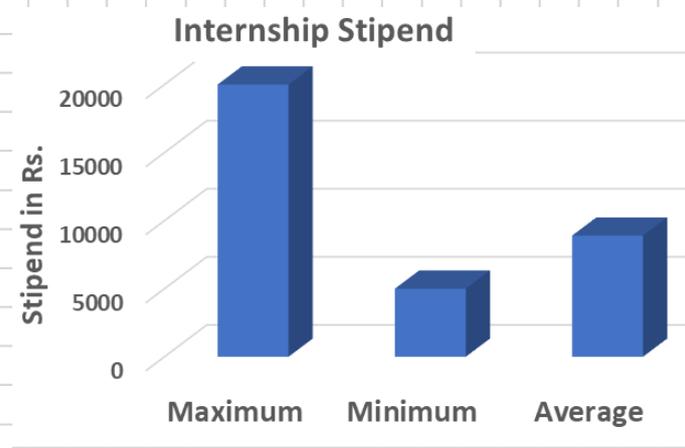
Bridging the Industry-Academia gap through Internship Programs

The aptitude, persistence, hard work, and sheer brilliance of the dedicated students of IcfaiTech, Hyderabad are manifested through the dynamic Internship Programs that they undergo as part of their curriculum. The real-time work experience prepares the students to confront diverse challenges in their professional life. A controlled simulation of the real-life adopted at IcfaiTech, Hyderabad creates the circumstances and a formal method whereby the educational institution is linked with the industrial units, scientific laboratories, public sector undertakings, manufacturing units, and other organizations.

The Internship Programs are included in the credit system of evaluation of the students. Internship Program -I (IP-I) encompasses a two months' program (5 Unit Course) and is compulsory for all the students of the first-degree programs. This "Exposure-Oriented" program aims at acquainting students to the professional world during Summer Term. Further, Internship Program -II (IP-II) involves a program of five and a half months (20 Unit Course). It is implemented either in the VII or VIII Semester of the B.Tech Program. Emphasizing on problem-solving, faculty in consultation with professional experts identify projects, supervise and evaluate the performance of the students to enhance their learning experience.

This academic year, 338 students are pursuing IP-I in 40 companies whereas 136 students are doing IP-II in 31 organizations. While Paymatrix has selected our students for Internships with a monthly stipend of Rs. 20000, our students are Interning with Apollo HealthTech, and Onward with a monthly stipend of Rs. 15000. Other reputed companies such as Nalsoft, Ishtara, Park Oye, SizPep, BrightChaamps, CodeCruc, Block for Trust, and many others have hired the students of IcfaiTech, Hyderabad as Interns with rewarding stipends.

Our Internship and Placement team continuously works to bring opportunities to students in cutting-edge technology. As this newsletter is being prepared, our Internship and Placement team is in conversation with Dr. Sriram Birudavolu (CEO, Cyber Security Centre of Excellence, Telangana, DSCI - Data Security Council of India (A NASSCOM Initiative)). They are working towards finalizing an opportunity for our final year CSE and ECE students for a six-month program in Cyber Security.



The Internship Program is an institutionalized effort to build the long-needed bridge between the professional milieu and the education world. The Internship Program provides an opportunity for the students to apply their classroom knowledge in real situations, subsequently improving their abilities in analytical thinking, processing, and decision making.

FACULTY CORNER

Faculty recruitment at IcfaiTech: June 2021

IcfaiTech is proud to announce that the following academicians have joined the institute as faculty members:

- Dr. Rashmi Sahay, Ph.D. BITS, Pilani, Hyderabad campus
Assistant Professor, Department of Computer Science and Engineering***
- Dr. Nikita Singh, Ph.D. NIT, Raipur
Assistant Professor, Department of Computer Science and Engineering***
- Mr. B. Sudheer Kumar, (Ph.D. Thesis-submitted) University of Tasmania, Australia
Faculty Associate, Department of Computer Science and Engineering***

In addition, three offer letters had been released as a part of the recruitment process for the Department of Electronics and Communication Engineering to

- Mr. Soumit Samadder Chaudhury, Ph.D. thesis submitted from IIIT, Allahabad***
- Dr. Achintya Kr. Sarkar, Ph.D. from IIT, Madras***
- Dr. T. Sreenivasulu, Ph.D. from IISc, Bangalore***

Further, IcfaiTech congratulates Dr. Sarit Chanda, Assistant Professor, Department of Civil Engineering, for successfully defending his Ph.D. Thesis titled "Machine learning algorithms applied to engineering seismology and earthquake engineering" on 18 June 2021 at IIT, Hyderabad, and being awarded the Ph.D. Degree.



Dr. Rashmi Sahay



Dr. Nikita Singh



Mr. B. Sudheer Kumar



Dr. Sarit Chanda

PIONEERING RESEARCH

Our eminent faculty members are driven to pursue research with the purpose of providing solutions to society.

Journal Publications

Civil Engineering

1. Chanda, S., Somala, S.N., 2021. *Single-Component/Single-Station-Based Machine Learning for Estimating Magnitude and Location of an Earthquake: A Support Vector Machine Approach.* Springer Pure and Applied Geophysics. <https://doi.org/10.1007/s00024-021-02745-8> (IF-2.3, SCI Indexed)

Physical Sciences

1. Sheelam K, Chidara S, Vinnakota S, Polothi R. *Highly efficient approach to the total synthesis of flavoxate hydrochloride.* Elsevier, Chemical Data Collections. 2021 Jun 1;33:100694. (IF-1.8, Scopus Indexed)

2. Shreecharan T, Sree Ranjani S. *Generalized coherent states of exceptional Scarf-I potential: Their spatio-temporal and statistical properties.* Reviews in Mathematical Physics. 2021 Jun 26:2150033. (IF-1.3)

3. Sahu AK, Brahma GS, Swain T, Aravind R. *Phosphate based mixture of Mn and Mg: Thermal energy storage materials.* Materials Today: Proceedings. 2021 May 6.

Electronics and Communication Engineering

1. Movva Pavani, Trinatha Rao Polipalli and Kishore K Kumar, (2021). *An Energy Aware Cluster-based Routing and Adaptive Semi-Synchronized MAC for Energy Harvesting WSN.* International Journal of Communication Systems (Accepted), John Wiley Publishers (Impact Factor:1.319) (SCIE, Scopus, WoS)

2. Movva Pavani and Kishore K Kumar (2021). *Large Scale Air Pollution Monitoring Using Static Multihop Wireless Sensor Networks,* International Journal of Computer Aided Engineering and Technology (IJCAET), Inderscience, Vol.15, Nos 2/3, PP 294-305, June 2021, DOI: 10.1504/IJCAET.2022.10020581 (Scopus)

3. Kishore K Kumar and Movva Pavani (2021). *Design of RF Planar Slow Wave Interaction Structure for THz Devices,* International Journal of Computer Aided Engineering and Technology (IJCAET), Inderscience, Vol.15, Nos 1, PP 58 - 66, May 2021 DOI: 10.1504/IJCAET.2021.10020698 (Scopus) <https://www.inderscience.com/info/article.php?artid=115947>

PIONEERING RESEARCH

Computer Science and Engineering

1. **Dr.P.Pavan Kumar et al. "An Intelligent COVID- 19 Classification Model using Optimal Gray-LevelCo-Occurrence Matrix Features with Extreme Learning Machine" Accepted for Special Issue in International Journal of Computer Applications in Technology(IJCAT)**

2. **Panda SK, Mohammad GB, Nandan Mohanty S, Sahoo S. Smart contract-based land registry system to reduce frauds and time delay. Security and Privacy. 2021; e172.**

<https://doi.org/10.1002/spy2.172>

3. **Singh, N., Kumar, T. & Vardhan, M. Blockchain-based e-cheque clearing framework with trust based consensus mechanism. Cluster Comput 24, 851–865 (2021).**

4. **Dr.B.Deevena Raju "DETECTING PHISHING WEBSITE USING MACHINE LEARNING" The International journal of analytical and experimental modal analysis,Volume XIII, Issue VI, June/2021,ISSN NO:0886-9367 ,Page No: 2381- 2386.**

5. **Dr.B.Deevena Raju "A THREE-LAYER PRIVACY PRESERVING CLOUD STORAGE SCHEME BASED ON COMPUTATIONAL INTELLIGENCE IN FOG COMPUTING" The International journal of analytical and experimental modal analysis,Volume XIII, Issue VI, June/2021,ISSN NO:0886-9367 ,Page No: 2387- 2394.**

6. **R. K. Sahoo, M. Derbali, H. Jerbi, D. V. Thang, P. P. Kumar et al., "Test case generation from uml-diagrams using genetic algorithm," Computers, Materials & Continua, vol. 67, no.2, pp. 2321–2336, 2021.**

7. **Rashmi Sahay, G. Geethakumari, Barsha Mitra, A Novel Network Partitioning Attack against Routing Protocol in Internet of Things, Elsevier, Ad Hoc Networks, June 2021. SCIE Indexed, Impact Factor: 3.64.**

8. **Rashmi Sahay, G. Geethakumari, Barsha Mitra, A Holistic Framework for Prediction of Routing Attacks in IoT-LLNs, Springer, The Journal of Supercomputing, 9 June 2021, DOI:10.1007/s11227-021-03922-1. SCI Indexed, Impact Factor: 2.**

9. **J. Pavan Kumar et al., "Algorithmic Aspects of Certified Domination in Graphs", Communications in Combinatorics and Optimization, (Accepted on 26th July, 2021).**

Conference

Computer Science and Engineering

1. Panda S.K., Satapathy S.C. (2021) An Investigation into Smart Contract Deployment on Ethereum Platform Using Web3.js and Solidity Using Blockchain. In: Bhateja V., Satapathy S.C., Travieso-González C.M., Aradhya V.N.M. (eds) *Data Engineering and Intelligent Computing. Advances in Intelligent Systems and Computing*, vol 1. Springer, Singapore. https://doi.org/10.1007/978-981-16-0171-2_52
2. Panda S.K., Rao D.C., Satapathy S.C. (2021) An Investigation into the Usability of Blockchain Technology in the Internet of Things. In: Bhateja V., Satapathy S.C., Travieso-González C.M., Aradhya V.N.M. (eds) *Data Engineering and Intelligent Computing. Advances in Intelligent Systems and Computing*, vol 1. Springer, Singapore. https://doi.org/10.1007/978-981-16-0171-2_53
3. Panda S.K., Dash S.P., Jena A.K. (2021) Optimization of Block Query Response Using Evolutionary Algorithm. In: Bhateja V., Satapathy S.C., Travieso-González C.M., Aradhya V.N.M. (eds) *Data Engineering and Intelligent Computing. Advances in Intelligent Systems and Computing*, vol Springer, Singapore. https://doi.org/10.1007/978-981-16-0171-2_54

Books/Book Chapters

Computer Science and Engineering

1. *Blockchain Technology: Applications and Challenges*, Editors: Panda, S.K., Jena, A.K., Swain, S.K., Satapathy, S.C. (Eds.), Springer, Intelligent Systems Reference Library.
2. Dr.P.Pavan Kumar et al. "Recommender Systems, Algorithms and Applications, 1st Edition, CRC-AAP Press, ISBN 9780367631857"
3. Sathya A.R., Panda S.K., Hanumanthakari S. (2021) Enabling Smart Education System Using Blockchain Technology. In: Panda S.K., Jena A.K., Swain S.K., Satapathy S.C. (eds) *Blockchain Technology: Applications and Challenges. Intelligent Systems Reference Library*, vol 203. Springer, Cham. https://doi.org/10.1007/978-3-030-69395-4_10
4. Lokre S.S., Naman V., Priya S., Panda S.K. (2021) Gun Tracking System Using Blockchain Technology. In: Panda S.K., Jena A.K., Swain S.K., Satapathy S.C. (eds) *Blockchain Technology: Applications and Challenges. Intelligent Systems Reference Library*, vol 203. Springer, Cham. https://doi.org/10.1007/978-3-030-69395-4_16
5. Bhalerao V., Panda S.K., Jena A.K. (2021) Optimization of Loss Function on Human Faces Using Generative Adversarial Networks. In: Bandyopadhyay M., Rout M., Chandra Satapathy S. (eds) *Machine Learning Approaches for Urban Computing. Studies in Computational Intelligence*, vol 968. Springer, Singapore. https://doi.org/10.1007/978-981-16-0935-0_9

PIONEERING RESEARCH

FICTA 2021 honours Dr. Sandeep Kumar Panda with the "Best Presentation Award"

Dr. Sandeep Kumar Panda, Department of Computer Science and Engineering, IcfaiTech, Hyderabad has received the prestigious "Best Presentation Award" for presenting a paper titled "Secure Trust Level Routing in Delay Tolerant Network with Node Categorization Technique" at the 9th International Conference on "Frontiers of Intelligent Computing: Theory and Applications (FICTA 2021)" held on June 25 - 26, 2021. Dr. Panda has also published three other conference papers, a Springer book, and three book chapters in 2021.



ALUMNI CORNER

Mr. Arun Kumar Saha mentoring juniors to excel

The Alma Mater of IcfaiTech, Hyderabad, are brilliant young professionals who help in growing the Institution's brand amidst the industrial and academic sectors. The institute relies on eminent alumni to mentor the students through webinars, technical sessions, etc. IcfaiTech, Hyderabad, organizes the 5th alumni webinar on "Life of Database Engineer & Future in this Field" by Mr. Arun Kumar Saha, Database Engineer, ADP Pvt. Ltd., Hyderabad, and Alumni of IcfaiTech, Hyderabad, Batch 2006-2010. Tune in on 31st July 2021 at 4.30 PM to applaud and appreciate our distinguished alumnus contributing substantially to enlisting IcfaiTech among the educational institutes of repute.

During the session, Arun will share his experience of being a part of IcfaiTech. He will also speak about the dynamic curriculum of IcfaiTech that has helped him confront the challenges imposed by the market. Further, Arun's session will encompass a discussion about the industry-academia gap, database, and its applications, opportunities and carrier growth as a database engineer, companies that provide the platform for database engineers, and challenges, tasks, and works of a database engineer.

ICFAI Foundation
for Higher Education
(Deemed-to-be-University under Section 3 of the UGC Act, 1956)

IcfaiTech
Faculty of Science & Technology

IcfaiTech, Hyderabad

Presents

5th Alumni Webinar on

"Life of Database Engineer & Future in this Field"



Mr. Arun Kumar Saha

Database Engineer

ADP Pvt. Ltd., Hyderabad

Alumni of IcfaiTech, Hyderabad

Batch 2006-2010



Scan to Join

Date and Time

July 31, 2021

Saturday, 4.30 PM -5.30 PM



Website:

<https://www.ifheindia.org/icfaitech/>

Facebook:

<https://www.facebook.com/IcfaiTech/>

Twitter:

<https://www.facebook.com/IcfaiTech/>

LinkedIn:

<https://in.linkedin.com/company/icfaitech>

E-MAIL:

admissions.icfaitech@ifheindia.org

LOCATION:

**IcfaiTech, IFHE Campus Dontanpally,
Shankarpally, R R District,
Hyderabad - 501 203.**

PHONE NUMBER:

Phone : 040-23479725 / 040-23479732

Mobile: 8499848444

Call/Whatsapp: 9010377002

Editorial Team:

Prof. M. Srinivasa Reddy, Director, IcfaiTech

Prof. A. Vadivel, Dean, IcfaiTech

Dr. Rashmi Sahay, Asst. Prof.-CSE, IcfaiTech

Ms. Manoswita Dasgupta, Content Writer, IcfaiTech