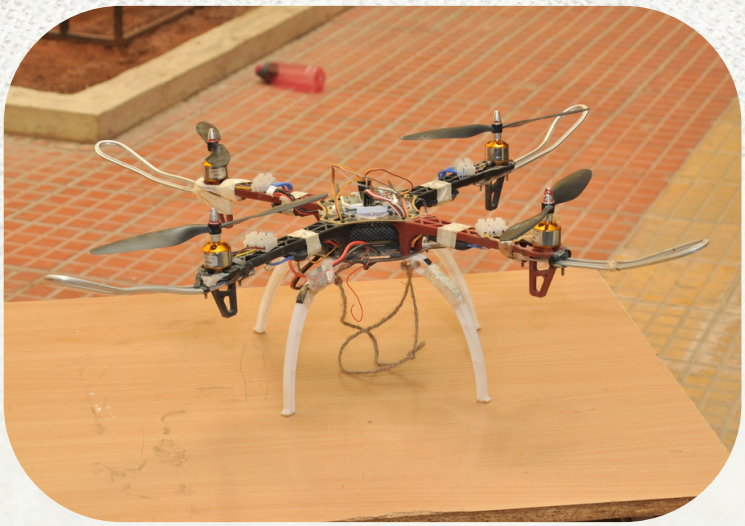
Volume 10 May

IcfaiTech NEWSLETTER

Invigorating Campus

Faculty/ Student Achievement



Phenomenal Ranking

Campaigns

FROM THE DIRECTOR'S DESK

I present the May edition of our Newsletter to our avid readers. The several columns of the newsletter encompasses insights into the programmes and workshops conducted for upscaling our faculty members and students. Our prodigious students and alumni are accomplishing noteworthy milestones which we are also presenting to our readers through our this chapter of the newsletter. Further, we are showcasing the immense achievements of our proficient faculty members who are steering the domain of science and technology by providing imperative solutions.

I earnestly request the readers to stay connected to us through the Newsletter.

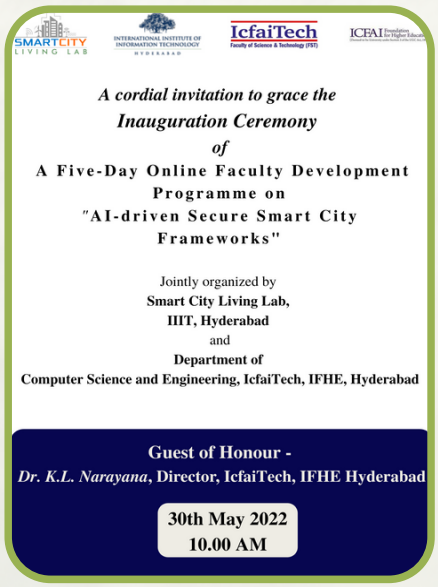
~ Dr. K.L. Narayana

Director, IcfaiTech, Hyderabad

INVIGORATING CAMPUS

Smart City Living Lab, IIIT, Hyderabad and Department of Computer Science and Engineering, IcfaiTech, IFHE, Hyderabad jointly organized Faculty Development Programme on "AI-Driven Secure Smart City Frameworks"

***Date:** 30th May – 4th June 2022*
Eminent Guest Lecturers:
Prof. Vadivel Ayyasamy, Dept. Director, GITAM – Bangalore
Prof. Chit taranjan Hota, BITS -Pilani, Hyderabad Campus
Prof. Ramesh Loganathan, IIIT Hyderabad
Dr. Diptendu Sinha Roy, Associate Professor, NIT Meghalaya
Dr. Hari Prabath Gupta, IIT BHU
Dr. Sanket Mishra, VIT Amravati
Mr. Kaviraju R D, Bosch Global Software Technologies
FDP Coordinators:
Dr. Rashmi Sahay, Department of CSE, Faculty of Science and Technology, IcfaiTech, IFHE Hyderabad
Dr. Nikita Singh, Department of CSE, Faculty of Science and Technology, IcfaiTech, IFHE Hyderabad
Prof. Ramesh Loganathan, Professor of Practice, Co-innovation, Smart City Living Lab, IIIT, Hyderabad
***Brief Overview:** A "Smart City" is a technology-driven urban area with a vision of enhancing economic prosperity, improving quality of life, and enabling sustainable infrastructure for better governance. The field of smart cities is an interdisciplinary area of research that has opened opportunities for researchers from diverse faculties to work together with a mission to enable sustainable living.*
The backbone of Smart Cities is the Internet of Things network comprising heterogeneous sensors and RFIDs. Almost all smart city verticals such as Intelligent transportation, Health care, Traffic Management, and Waste Management will involve large-scale deployment of sensor nodes generating volumes of public and private data. Smart Cities will have to rely on advanced technologies like Artificial Intelligence, Big Data, and Cloud Computing to process such voluminous data, perform analysis on the data, enable automation, and generate meaningful predictions. As smart city uses cases involve private data and operations that do not involve human intervention, security becomes a major concern. Artificial Intelligence will play a pivotal role in automating security checks and raising security alerts.
Dr. K.L. Narayana, Director, IcfaiTech, Hyderabad inaugurated the FDP on 30th May that led to the commencement of several insightful sessions by experts across spheres of technological domains.



INVIGORATING CAMPUS

The two months Internship Program-I began for class of 2024.

Brief Overview:

As part of the curriculum offered by IcfaiTech, Hyderabad, students have commenced Internship Programme with renowned companies such as Code Crux, Cognitive Science Lab, Ermin Automotive, Globus Informatics, Pittsburgh Technologies, Skillbanc, etc. to enhance their skills that would enable them to emerge as professionals.

Summer Camp

Date: ***30th May to 3rd June 2022***

Organizing Department: ***Department of Mathematics***

Brief Overview:

Inaugurated by Prof. K.L. Narayana, Director, IcfaiTech, Hyderabad, the summer camp aimed at the following objectives:

·To train students in the basic Mathematics subject.

·To increase their learning level from their current levels

·To help them explore various ways of learning these subjects

·To provide some tips in improving communication skills

Mock EAMCET Test for aspiring students

Date: ***23rd, 25th and 27th May 2022***

Brief Overview:

179 students appeared for the mock test (49 students - online and 130 students - offline) that enabled them to assess their level of preparation, explore the probable questions, comprehend their strengths, and gain insights on the areas of improvement by providing them a better perspective of the actual EAMCET .

Asana Club has conducted an investiture ceremony

Date: ***13th May 2022***

Brief Overview:

The club members shared a presentation featuring the club members, activities and events that happened during the semester. Winners of club events were awarded medals and certificates from Dr. K.L. Narayana, Director , Dr. J. R Nayak and Dr. Anjanna Matta. Founders Sachin Sankella and Dhanush, as well as members of the first committee, received medals for their dedication to the club. Further, Dr. K.L. Narayana gave a spectacular speech about the responsibilities and roles and appreciated the club for their work and wished luck for the future.

INVIGORATING CAMPUS

IcfaiTech, Entrepreneurship Club organized a Webinar titled "Innovation and It's Importance In the coming years"
Speaker: Dr. Shankar Pidishety
Co-Host And Speaker: Yasasvi Bhupathi
Date: 11th May 2022
Brief Overview:
As Innovation becomes imperative to ensure humanity's bright future, thinking out of the box is an essential skill especially in the domain of research and development. The webinar highlighted the importance of learning, creativity, thinking, knowledge, and greatness to bring innovation to anything.

A series of FDP were organized by ICFAI staff college for the various schools of IFHE among which the following sessions were conducted in FST:

Session Title: BlockChain and its Application
Speaker: Dr. Subrakanta Panda
Date: 12th May, 2022

Session Title: Privacy and security issues
Speaker: Dr. Sathya Babu
Date: 11th May, 2022

Session Title: Energy efficiency in wireless networks
Speaker: Dr. Kathiravan
Date: 11th May, 2022

Session Title: Neuroscience
Speaker: Dr. Madhukar
Date: 11th May, 2022

Session Title: Low Power Wireless Networks, Network behind IoT
Speaker: Dr. Nikumani
Date: 10th May, 2022

Session Title: Automatic Machine Translation using NLP
Speaker: Dr. Kathiravan
Date: 10th May, 2022

Session Title: Approximation Algorithm for geometric tacking problem
Speaker: Dr. Manjanna
Date: 12th May, 2022

Session Title: Digitization and new trends in IT
Speaker: Dr. Ravikiran
Date: 12th May, 2022

Session Title: SOA and Microservices Architecture
Speaker: Dr. Ravikiran
Date: 12th May, 2022

INVIGORATING CAMPUS

Department of English conducted a Two-Day Workshop on "Public Speaking and Presentation Skills".

Eminent talks:

"Strategies for becoming a better public speaker" by Dr. Dipak T. Morey, Department of Linguistics, University of Hyderabad

"Strategies for developing a stronger presentation" by Dr. Loreina Pagag, Assistant Professor, Department of English

"Effective communication skills for students and faculties" by Dr. Upender Maloth, SR University, Warangal

A demo on how to actually prepare a good and successful presentation based on the previous discussions and learnings by Dr. Swathi Mulinti, Assistant Professor, Department of English

***Date:** 28th and 29th April, 2022*

Brief Overview:

Many professionals experience fear and dread when asked to speak in public. Since public speaking is regarded as an indispensable but difficult art, professionals who excel in delivering their message to an audience are immediately perceived as excellent communicators and as being appropriate candidates for leadership roles. To advance oneself professionally, it is essential to improve one's capacity to deliver a persuasive speech or talk . The workshop will enable the participants to excel at public speaking while getting rid of fear of speaking at any public set up by structure the speech and enhancing presentation skills.

ICFAI Staff College organizes Faculty Development Program at IcfaiTech on "Multidisciplinary Research: Setting the Agenda for the Future"

***Speaker:** Prof. R.P. Mohanty*

***Date:** 5th May 2022*

IcfaiTech, Hyderabad conducted CRT for preparing the students to ace in the placement drives.

***Date:** 4th May to 30th May 2022*

Brief Overview:

FACE Academy conducted the CRT program for third year students. The training was for 120 hours duration and comprised of content delivery in both Aptitude and technical domains. 274 students registered for this training and completed successfully

UPCOMING

Electronics & ICT Academy, NIT Warangal in association with Faculty of Science and Technology(IcfaiTech), ICFAI Foundation for Higher Education(IFHE), Hyderabad,is organizing online Faculty Development Programme (FDP) on "Mathematical Models for Machine Learning and It's Applications " from 11th July 2022 to 20th July 2022. Last date for registration is 9th July 2022 (Saturday).

IcfaiTech (FST), IFHE, Hyderabad is conducting FREE MOCK TEST for EAMCET 2022 for all II year Intermediate (plus 2) students (MPC Branch). No registration fee. The exam will be conducted ONLINE/OFFLINE on 8th June and 10th June.

PHENOMENAL RANKING

Careers360 announced Engineering Rankings of IcfaiTech,Hyderabad in the India's Best Engineering Colleges 2022 and awarded AAA+ among Central/Deemed / State Pvt Universities in Telangana.

IcfaiTech, Hyderabad is declared All India Rank 27 among Pvt. Engg. Institutes and 4 among Pvt. Engg. Institutes Telangana by Education World - Engineering Institutes Rankings - 2022.

FACULTY ACHIEVEMENT

***Dr. Sandeep Panda**, Associate Professor, Department of Department of Data Science & AI, IcfaiTech, IFHE, Hyderabad received the Research Excellence Award of the Year 2022*

IEEE Karunya DEEMED UNIVERSITY

Department of Electronics and Communication Engineering

2022 6th International Conference on Devices, Circuits and Systems (ICDCS)

Best Paper Award

This is to certify that

Dr/Mr/Mrs B Seetharamulu, Kolli Maheedhar, Amit sharma, Ram charan, Sarangam K, B Naresh Kumar Reddy

Paper Title:

An efficient predictive alimentary system using machine learning on the edge

in the IEEE Technically Sponsored 2022 6th International Conference on Devices, Circuits and Systems (ICDCS) held at Karunya Institute of Technology and Sciences, Coimbatore, India during 21-22 April 2022.

Organizing Secretary (Dr.N.M. Sivamangai) | Convenor (Dr.D. Nirmal) | Dean (E&T) (Dr.G. Prince Arul Raj)

***Dr. B. Seetharamulu**, Department of Computer Science and Engineering, IcfaiTech (Faculty of Science and Technology) ICFAI Foundation for Higher Education (IFHE), Hyderabad has been awarded the best paper award during the 6th International Conference on Devices, Circuits, and Systems (ICDCS) organized by Karunya University in association with IEEE and Electron Devices Society, Coimbatore.*

***Title of the paper:** An Efficient Predictive Alimentary System using Machine Learning on the edge*

***Brief Overview:** The industries and factories that produce goods which are always in demand require good amount of productivity, with small delays even can result in supply crunches. Most of the factories do not have smart machinery which can predict the breakdowns of the machines used and save time for better productivity because of the cost they come with. With a Predictive Maintenance system using machine learning on the edge this can save both time and cost of the factories and at the same time give better and quick results compared to cloud systems. In this paper we discuss on how the machine learning models can fit in a micro controller and run inference on it and predict results without requiring it to connect to a cloud system. We have emulated a washing machine to be a factory equipment and ran the system in it with its monitored data for predictions.*

***Dr. Sirisha Potluri**, Assistant Professor, Department of Computer Science & Engineering received the TN Global Research award as "YOUNG SCIENTIST"*

***Date:** 5th Mar 2022*

Her phenomenal body of work encompasses:

18 Papers Presented in Conferences

25 Journal Publications

2 Patents

6 Edited Books

9 Book Chapters

FACULTY ACHIEVEMENT

***Dr. Vivekananda Kukkala**, Assistant Professor, Department of Mechatronics attended the 13th International Conference on Material Processing and Characterization (ICMPC-2022) conducted by the Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology Hyderabad, India*

***Title of the paper presented:** "Experimental Investigation and Parametric Optimization during EDM of Titanium grade 9 using MOORA-Fuzzy Integrated Multi - Objective Genetic Algorithm"*

***Date:** 22-24 April 2022*

***Brief Overview:** The current work investigates an experimental study and potential of multi-objective optimization of machining performance characteristics "Material Removal Rate" (MRR) and "Tool Wear Rate" (TWR) during the "Electro-Discharge Machining" (EDM) process of Titanium grade 9 (Ti-3Al-2.5V) (Ti G9). The Taguchi's L 9 OA has been employed for selecting the appropriate outline of the experiment by varying Spark-on time (S on), Spark-off time (S off), Peak Current (I p), and Gap Voltage (V g). A hybrid technique called MOORA-Fuzzy Integrated multi-optimization GA has been proposed to determine the best satisfactory machining performances. The most favorable machining parameter obtained through optimization technique as [S on =100 µs, S off =100 µs, I p =7A, and V g = 70V] for maximize MRR and minimize TWR. In the present study, the proposed optimization technique can be capable enough to solve the multi-process optimization problems of the EDM process. Moreover, it is apparent very helpful in the manufacturing sectors, reducing machining time and improving productivity.*

Certificate
of Participation

This certificate is awarded to Prof./Dr./Mr./Ms Kukkala Vivekananda for participating and presenting a paper titled Experimental Investigation and Parametric Optimization during EDM of Titanium grade 9 using MOORA-Fuzzy Integrated Multi Objective Genetic Algorithm in 13th International Conference on Material Processing and Characterization (ICMPC-2022) conducted by the Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology Hyderabad, India during 22-24 April 2022.

Convenor
Prof. Swadesh Kumar Singh
GRIET, Hyderabad

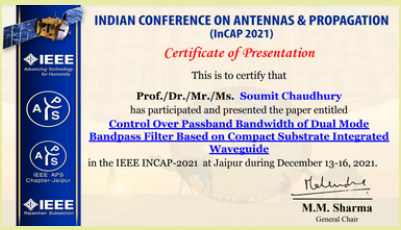
HOD
Dr. B. Tanya
GRIET, Hyderabad

Principal
Dr. J. Praveen
GRIET, Hyderabad

***Dr. Soumit Samadder Chaudhury**, Assistant Professor, Department of Electronics & Communication Engineering presented a paper at IEEE Indian Conference on Antennas & Propagation (InCAP 2021), which was organized by MNIT Jaipur.*

***Title of the paper:** Control Over Passband Bandwidth of Dual Mode Bandpass Filter Based on Compact Substrate Integrated Waveguide*

***Date:** December 13-16, 2021*


INDIAN CONFERENCE ON ANTENNAS & PROPAGATION
(InCAP 2021)

Certificate of Presentation

This is to certify that

Prof./Dr./Mr./Ms. Soumit Chaudhury
has participated and presented the paper entitled
Control Over Passband Bandwidth of Dual Mode Bandpass Filter Based on Compact Substrate Integrated Waveguide
in the IEEE INCAP-2021 at Jaipur during December 13-16, 2021.

M.M. Sharma
General Chair

***Swathi Mulinti**, Assistant Professor, Department of English was Invited to be a guest lecturer at Amity University, Noida*

***Topic:** Language and Ideology*

***Date:** 16th April 2022*

***Swathi Mulinti**, Assistant Professor, Department of English invited as a resource person for a 5 day FDP session organised by Academic Research Office in Association with CTL, at VIT AP*

***Paper presented:** "Enhancing the quality indicators of Academic research"*

***Date:** 19th - 23rd April 2022*

FACULTY ACHIEVEMENT

***Dr. Movva Pavani**, Assistant Professor, Department of Electronics & Communication Engineering, IcfaiTech, Hyderabad published a paper on SCI Wiley Journal: International Journal of Communication Systems (IF:2.047).*

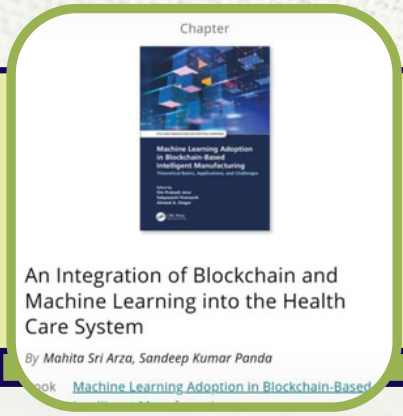
***Paper Title:** An energy aware cluster-based routing and adaptive semi-synchronized MAC for energy harvesting WSN*

Brief Overview:

Medium access control (MAC) layer scheduling is an intelligent solution to protract the lifetime of energy harvesting wireless sensor network (WSN) which is challenging issue in recent times. Self-adaptive MAC protocol was working upon reinforcement learning. However, this decentralized adaptive scheduling introduces collisions and degrades the overall network performance. To fix this problem, this paper proposes novel semi-synchronized MAC approach for energy harvesting WSN. The major objective of this work is to improve energy efficiency of the network by minimizing energy consumption which is the major issue in WSN.

STUDENT ACHIEVEMENT

***Alumni Jasmine Singh Bharaj**, 2017 batch has become Sub-Lieutenant*



*Final year student **Ms. Mahita Sree** published a chapter in Taylor and Franchise, USA. Chapter Title: Integration Blockchain with AI*

***Book Title:** An integration of blockchain and Machine Learning into the heathcare system*

***Mentoring faculty:** Dr. Sandeep Panda*

CAMPAIGNS

***Dr.Sirisha Potluri**, Assitant Professor, Department of Computer Science & Engineering, and **Dr.K Vivekananda**, Assistant Professor, Department of Mechatronics attended Dinamalar Education Fair-2022 held in Tamil Nadu.*
Venue: Kalaivanar Arangam, Wallajah Road, Chepauk
Participation Type: Stall Partner
Co-Participants: SRM University, Vels Institute of Science, Technology, Sri Ramachandra Institute of Higher Education, Amet University, Crescent University, The Tamil Nadu Dr. M.G.R. Medical University, Shiv Nadar University, Presidency university, IIT madras, etc.
Number of candidates attended:
Date Total Footfall
24-May-2022: 850
25-May-2022: 800
26-May-2022: 625
Location- Coimbatore
Faculty Name Dr. K Vivekananda

Venue: Coddissia Grounds, Avinashi Road
Participation Type: Stall Partner
Co-Participants: Vivekanandha Educational Institutions for Women, IIT Madras (B.Sc Data Science Program in online mode), Rathinam group of institutions, etc.
Number of candidates attended:
Date Total Footfall
24-May-2022: 850
25-May-2022: 800
26-May-2022: 825
Location- Madurai
Faculty Name Dr. Sirisha Potluri

Venue: Lakshmi Sundaram hall, Tallakulam
Participation Type: Stall Partner
Co-Participants: Rathinam group if institutions, Remo international college of aviation, Vivekananda educational institutions, Coimbatore INSTITUTE of engineering and technology, National college Madurai, Madurai IAs academy, Presidency university , Anna institute, IIT Madras, Shrikrishna institutions, Kalasilingam university, Amet university, Chennai INSTITUTE of Technology, Coimbatore college of commerce, etc.
Number of candidates attended:
Date Total Footfall
24-May-2022: 900
25-May-2022: 925
26-May-2022: 800
Location- Puducherry
Faculty Name Dr. K Vivekananda

Venue: Jayaram Kalyana Mandapam, Puducherry
Participation Type: Stall Partner
Co-Participants: Vivekanandha Educational Institutions for Women, IIT Madras (B.Sc Data Science Program in online mode), Rathinam group of institutions, etc.
Number of candidates attended:
Date Total Footfall
24-May-2022: 250
25-May-2022: 400
26-May-2022: 350

Brief Overview: During the campaign, the faculty promoted IFHE-Hyderabad (IcfaiTech), ICFAI Business School-Bangalore (IBS) and ICFAI University- Dehradun (IUD). Parents and candidates from within and nearby Chennai have visited the stall for counselling and guidance. Aspirants were provided with brochures and a comprehensive demo of IcfaiTech/IBS/IUD/ based on their interests and concern. The virtual campus tour is provided through video presentations and photographs.

Website:

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

Facebook:

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

LinkedIn:

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

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