From the Director’s Desk

With immense delight, I present the May News Letter of IcfaiTech to our avid readers. During the month of May, we witnessed numerous technical, cultural, and social activities organized by the various student clubs, departments and student affairs divisions. I am pleased to inform our readers that the Department of Mathematics and English continues in its efforts to contribute to the lesser privileged. I congratulate them for successfully organizing a Mathematics summer camp for government school students. I commend the Department of Mathematics and English for successfully organizing a National Online Conference on Transformational Trends in Linguistics, Literature & Language Teaching.

I congratulate the members of the Yantrikee Club and various participating students for organizing the National Technology Day event. Notably, the Entrepreneurship Club keeps motivating students by organizing sessions like Business Model Canvas. I sincerely compliment the Student Affairs team and our students for smoothly and successfully organizing the farewell and the Techno-Cultural fest at concise notice.

I appreciate the students who gave excellent presentations in various student seminars and the Project Expo cum presentation. I congratulate all students and faculty members whose achievements adorn this newsletter.

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

Campus Happenings:

Mathematics Summer Camp for High School Students, 8th to 12th May 2023
Session on “Business Model Canvas”, 11th May 2023
National Online Conference on Transformational Trends in Linguistics, Literature & Language Teaching, 4th - 5th May, 2023
National Technology Day, 11th May 2023
Project Expo cum presentation, 16th May 2023
Farewell - Exordium, 18th May 2023
Techno-Cultural Fest, 19th May 2023

Student Achievements:

Ms. Omisha Sharma - Best Paper Award
Mr. Cherukuri Gaurav Sushant - participated and presented a paper held at Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, UK.
Ms. Nidhi Iyer - got selected for the Women Engineers program formulated by Talentsprint and supported by Google.

Faculty Achievements:

Dr. Chandra Shekhar A is granted a patent titled "BATTERY PACK FOR ELECTRIC VEHICLE".
Dr. Sandeep Kumar Panda
• Delivered an expert session on the topic “Significance and challenges in cloud computing and image processing”
• Published 2 journal papers
• Participated and presented 4 papers

Dr. Chandrashekhar A, and Dr. Sandeep Kumar Panda participated and presented a paper
Faculty Seminar:
The Dept. of Mathematics and English
Title: “Heat and mass transfer of Mixed convective MHD Micro-polar nanofluid flow between parallel plates in a porous medium”
Speaker: Dr. K. Ramesh, Date: 4th May 2023

The Dept. of Mechatronics Engineering
Title: A comprehensive study on Applications of Nano Technology in Mechanical Engineering
Speaker: Mr. Ch. Venugopal,
Date: 5th May 2023, Time: 4:50- 5:30 PM
GoogleMeet Link: meet.google.com/scq-sfyt-ytu

Student Seminar:
The Dept. of Data Science and Artificial Intelligence
Title: Demystifying Buzz Words in TechDay
Date: Friday, 5th May 2023
Speaker: Mr. M. NivasGopi (20STUCHH010129)
Venue: FST, Auditorium, Time:12:20 PM - 1:00 PM

The Dept. of Computer Science and Engineering
Title: An Overview on Cyber Security
Date: Wednesday, 3rd May 2023
Mr. Yogesh Manne (22STUCHH010828)
Venue: FST, Auditorium, Time: 12:10 PM - 1:00 PM

The Dept. of Mechatronics Engineering
Title: A Review on Robotic Underwater Welding process
Speaker: Ms Avanthika Chamarthi (20STUCHH010029)
Date: 5th May 2023, Time: 3 PM- 3:45 PM
Venue: R205

The Dept. of Electronics and Communication Engineering
Title: The Science Behind Ionized Water
Speaker: Mr. K. Mani Vardhan (19STUCHH010349)
Date: 16th May 2023, Time: 4.00 PM
Venue: G-20

Mathematics Summer Camp for High School Students
The Department of Mathematics and English organized a summer camp on mathematics for high school students from the 8th to the 12th of May. The summer camp was inaugurated on the 8th of May, 2023, by the Director of ICFAI Tech, Prof. K.L. Narayana, and Prof. M Srinivas Reddy. Associate Deans Dr. Suresh Kumar Gandhi, Dr. JR Nayak, and the Head of the Department of Mathematics and English, Dr. Anjanna Matta, attended this event along with other faculty members. Dr. T. Rakesh Reddy organized the summer camp. Volunteers from the Department of Mathematics and English motivated students of nearby government schools to join the summer camp. With the motivation of Dr. Loreina Pagag, B.Tech students (sections A, C, E, and G) have shown enthusiasm in lending a helping hand by donating a good number of notebooks to the students who attended the summer camp.

The summer camp aimed at the following objectives
• To train students in essential Mathematics by removing inhibitions towards the subject.
• To increase the degree of comprehension
• To improve their communication skills.
• To help them explore various ways of learning these subjects.

Children were selected based on the feedback of the Head Master of the corresponding school. Classes were held at FST (ICFAI Tech), IFHE, in Room No. 209, from 09:30 AM to 4:00 PM, during the summer camp period.

Session on “Business Model Canvas”
The IcfaiTech Entrepreneurship Club under the mentorship of Dr. Anjanna Matta organized an online
session on “Business Model Canvas” on the 11th May, 2023 03:30 pm - 04:30 pm. The session was taken by Dr. Anitha Acharya, Assistant Professor, IBS, and hosted by G Harshavardhan Reddy.

Dr. Anitha Acharya explained the significance of Business Model Canvas for businesses to visualize, analyze, and refine their business models. She further explained Business Model Canvas’s ability to foster strategic thinking, collaboration, and adaptability, leading to improved value creation and competitiveness in dynamic markets. The session successfully explained to the students the role of Business Model Canvas in the Real Cooperative World.

National Online Conference on Transformational Trends in Linguistics, Literature & Language Teaching

The Department of Mathematics and English organized a two-day national conference on Transformational Trends in Linguistics, Literature & Language Teaching during 4th-5th May, 2023. The goal of the conferences was to create space for language teachers, researchers, and academicians to share their ideas, research findings, and innovations in related fields. The conferences created a platform for the researchers and the practitioners to discuss and learn collaboratively. Eminent professors Dr. Amol Padwad, Director, Centre for English Language Education, Dr. B. R Ambedkar University, Delhi, delivered motivating keynotes. And Prof. Indranil Dutta, Professor, Department of Languages & Linguistics, Jadavpur University. For this conference, 161 participants have registered from every corner of our nation; we have papers from Kashmir to Kanyakumari. The conference received enthusiastic participants from various well-renowned Language Universities like BHU, HCU, EFL-U, Acharya Nagarjuna University, Christ University, etc. And also papers from reputed institutes like IITs (5 Papers) and NITs (4 Papers). This conference not only attracted participation from India, but we also received papers from the United Arab Emirates.

National Technology Day

Yantrikee Club celebrated National Technology Day 2023 on 11th May with great enthusiasm. This year’s event theme was "School to Startups- Igniting Young Minds to Innovate." The Vice-Chancellor of the University inaugurated the event. VCs' presence added prestige and significance to the celebration, inspiring students to participate in the event and embrace technology and innovation actively. IcfaiTech Director, Dr. K L Narayana, delivered a warm welcome address that set the tone for the event, emphasizing the importance of nurturing young minds and encouraging innovative thinking. Prof. Srinivasa Reddy gave the students valuable insights into the ever-evolving world of technology and encouraged them to pursue their passion for innovation. The event kickstarted on 9th May. Various competitions, like Typing Competitions, Street Coding, and Fun Quiz, were held, where participants solved coding problems and puzzles in a street-style setup. A fun quiz was also conducted to
engage participants in a lighthearted yet intellectually stimulating competition. On 10th May, a debate competition, "The Battle of Minds," was completed.

Participants engaged in passionate debates on technology-related topics, showcasing their research and persuasive skills. Technnovation: Technical Exhibition of Student Projects showcased various projects, including prototypes, technological advancements, and research work.

A short film competition called "Applause" was also conducted. This category encouraged participants to create short films on technology, innovation, and their impact on society. The movie served as a medium to inspire and raise awareness among the audience regarding the potential of technology in solving real-world problems.

The successful organization and execution of the National Technology Day event were only possible with the dedicated efforts of the faculty coordinators, Dr. P Rohini and Ms. Sathya A R, who ensured smooth logistics, effective communication, and overall coordination of the various activities.
The Department of Computer Science and Engineering organized a Project Expo cum presentation by the II year students (CSE & DSAI) under the course WEB ENABLED TECHNOLOGIES (CS205) on 16.05.2023 at FST Auditorium. The principal objective of organizing this exhibition was to provide the platform and unleash the students’ potential by showcasing their innovative projects developed in the II Year either as Industry Defined Problems or User Defined Problems and provide an opportunity for the students to demonstrate their learning experience. In this event, 324 projects were evaluated, and four were selected as the best. The outcome of the Project ExpoCum Competition – 2023 is to show students’ innovative projects at a higher level, and the process boosted their confidence.

Farewell - Exordium

"Exordium" was a grand farewell event organized on 18th May 2023 to bid farewell to the outgoing students. The third-year students elegantly decorated the farewell venue to create an atmosphere of nostalgia and remembrance. The theme and decor aimed to invoke sentimental reflections and honour the shared experiences of the departing students. Students showcased their talents through various cultural performances, including dance, music, skits, and poetry recitals. Faculty members and senior students delivered heartfelt anecdotes to bid farewell to the outgoing batch.

Techno-Cultural Fest

The Techno-Cultural Fest held on 19th May 2023 was an exciting event that brought together students from various disciplines to showcase their technical skills and artistic talents. The fest comprised technical events designed to challenge participants' problem-solving abilities and cultural activities to promote creativity and self-expression. The Faculty of Science and Technology (FST) Director, Dr. K L Narayana, inaugurated the Techno-Cultural Fest. The director's address emphasized the importance of technology, creativity, and cultural expression in shaping the future. Dr. K L Narayana motivated participants to strive for excellence in their chosen fields. Overall, the Techno-Cultural Fest was a successful event that celebrated the fusion of technology and culture while nurturing the talents and aspirations of the participants. The following events were conducted during the fest:

Egg Drop Challenge: The Egg Drop Challenge tested participants' engineering skills as they designed and constructed protective contraptions to prevent an egg from breaking when dropped from a certain height. This event encouraged innovative thinking and practical application of scientific principles.

Codeit: Codeit was a programming competition that challenged participants to solve coding problems within a given timeframe using the hacker rank platform. It aimed to assess their coding proficiency, logical reasoning, and problem-solving abilities. The event provided a platform for participants to showcase their coding expertise.
The Puzzle Room: The Puzzle Room event offered participants a unique experience of solving puzzles and riddles within a confined space. This activity required teamwork, critical thinking, and practical communication skills to unlock clues and solve the mystery.

Digital Scavenger: Digital scavengers involve participants using digital platforms to complete challenges and collect virtual objects or information. This event promoted digital literacy, resourcefulness, and quick thinking.

Paper Plane Contest: The Paper Plane Contest encouraged participants to design and fly paper planes for maximum distance, accuracy, or creative manoeuvres. This light-hearted event fostered creativity, precision, and aerodynamic understanding.

E-Sports: E-Sports comprised various competitive online gaming tournaments. Participants engaged in friendly competition, showcasing their gaming skills in popular video games. The event provided a platform for participants to showcase their digital gaming abilities and sportsmanship.

Tech Documentary: The Tech Documentary event involved screening documentaries related to technological advancements, innovations, and their impact on society. This event aimed to broaden participants' knowledge and create awareness about emerging technologies.

The Techno-Cultural Fest provided an engaging platform for students to showcase their technical skills and artistic talents. The events, including the Egg Drop Challenge, Codeit, Puzzle Room, Digital Scavenger, Paper Plane Contest, E-Sports, and Tech Documentary, offered diverse opportunities for participants to explore and demonstrate their abilities.

Student Achievements

Ms. Omisha Sharma (19STUCHH010089) under the guidance and co-authorship of Dr. Sandeep Kumar Panda received Best Paper Award for presenting a paper titled "Attention Based Deep Network Model using BERT for Sarcasm Classification" in the 11th International Conference on Frontiers of Intelligent Computing: Theory and Applications, (FICTA-2023) held at Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, UK.

Mr. Cherukuri Gaurav Sushant (21STUCHH010341), under the guidance and co-authorship of Dr. Rashmi Sahay participated and presented a paper titled "Investigating Vulnerabilities of Information Solicitation Process in RPL-based IoT Networks" in FICTA-2023 held at Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, UK.

Nidhi Iyer (22STUCHH010645) got selected for the Women Engineers program formulated by Talentsprint and supported by Google. It is a two-year intensive program with a rewarding cash scholarship of 1 lakh rupees. This year there were 22,000 applicants, among which only 220 were selected by Talensprint. The selection process involved an aptitude test, an English language test, a Coding test, and an Interview.

Faculty Achievements

Dr. Sandeep Kumar Panda, Associate Professor and Head, Dept. of Data Science and Artificial Intelligence, delivered an expert session on the topic "Significance and challenges in cloud computing and image processing" in the International conference on Communication and Cyber physical Engineering, 28-29th April at the CMR college of Engineering, Hyderabad.

Dr. Sandeep Kumar Panda's published journal paper Smart contract based land registry system to reduce frauds and time delay. Security and Privacy. 2021 Sep;4(5):e172 was the top downloaded paper of Wiley Journal Security and Privacy.

Dr. V. A. Sankar Ponnapalli, Assistant Professor, Dept. of Electronics and Communication Engineering, received a certificate from AICTE-NPTEL for successfully completing a course on NBA Accreditation and Teaching and learning in Engineering (NATE) with Elite grade.

Dr. V. A. Sankar Ponnapalli has also been nominated as a NISP (National Innovation and Start-up Policy) Coordinator, IFHE by the Honourable Vice Chancellor, IFHE and approved by the Chief Innovation Officer (NISP), the Ministry of Education’s (MoE) Innovation Cell, New Delhi, India, with effect from 09/05/2023.

Dr. Sudheer Hanumanthakari, Assistant Professor, Dept. of Electronics and Communication Engineering, participated & completed successfully AICTE Training And Learning (ATAL) Academy Blended/Hybrid FDP on "Power Electronics, Energy Storage and Renewable Technologies (PEESRT) for E-Transportation in India (Advanced)" from 2023-03-06-2023-03-11 to 2023-03-14-2023-03-18 at GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING & TECHNOLOGY(E&T).

Dr. Mallavarapu Sandhya participated and presented a paper titled “Design and Simulation of Wearable Circularly Polarized MIMO Antenna for High Data Biomedical Sensing Devices” in ICEATIS 2023 conference held at Dayananda Sagar College of Engineering on May 16-18th 2023. Dr. Sandya was also appreciated by the conference organizing committee for delivering the role of the session chair.


Dr. Rashmi Sahay, Assistant Professor, Dept. of Computer Science and Engineering got recognition as Research Supervisor in Visvesvaraya Technology University, A state university of the government of Karnataka on 18 May 2023.

Mr. K. Varaprasada Rao, Assistant Professor, Dept. of CSE and Sandeep Kumar Panda published an article titled “A Design Model of Copyright Protection System Based on Distributed Ledger Technology” in Lecture Notes in Networks and Systems 459, https://doi.org/10.1007/978-981-19-1976-3_17

Mr. K. Varaprasada Rao, Dr. Dileep Kumar Murala, Assistant Professor, Dept. of CSE and Dr. Sandeep Kumar Panda published a book chapter titled “Blockchain: A Study of New Business Model”, Recent Advances in Blockchain Technology, Intelligent Systems Reference Library 237, https://doi.org/10.1007/978-3-031-22835-3_9

Dr. Sandeep Kumar Panda, A. R. Sathya, Assistant Professor, Dept. of DSII and Sukanta Das, Assistant Professor, Dept. of CSE published a book chapter titled “Bitcoin: Beginning of the Cryptocurrency Era”, Recent Advances in Blockchain Technology, Intelligent Systems Reference Library 237, https://doi.org/10.1007/978-3-031-22835-3_2.
International Conferences:

Name of the faculty: **Dr. Rohini Pinapatruni**

Title of the paper: **A hybrid model for forecasting stock prices using Bayesian and LSTM**

Organized by: Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, UK

Title of the Conference: 11th International Conference on (FICTA 2023)

Date of the Conference: 11-12, April 2023

Name of the faculty: **Dr. Rohini Pinapatruni**

Title of the paper: **A novel deep learning approach to find similar stocks using Vector Embeddings**

Organized by: Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, UK

Title of the Conference: 11th International Conference on (FICTA 2023), Date of the Conference: 11-12, April 2023

Name of the faculty: **Dr. Chandrashekhar A & Dr. Sandeep Kumar Panda**

Title of the paper: **An Investigation into Chronic Kidney Disease based-on Classification Model**

Organized by: Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, UK

Title of the Conference: 11th International Conference on (FICTA 2023), Date of the Conference: 11-12, April 2023

Name of the faculty: **Dr. Kaushik Sekaran and Dr. B Seetharamulu**

Title of the paper: **Data Integrity Protection using Multi Level Reconstructive Error Data and Auditing for Cloud Storage**

Organized by: Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, UK

Title of the Conference: 11th International Conference on (FICTA 2023)

Date of the Conference: 11-12, April 2023

Name of the faculty: **Sathya AR**

Title of the paper: **Emotion based Song Recommendation System**

Organized by: Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, UK

Title of the Conference: 11th International Conference on (FICTA 2023)

Date of the Conference: 11-12, April 2023

Name of the faculty: **Dr. R.Balamurali**

Title of the paper: **Human Activity Recognition using Machine Learning Model**

Organized by: Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, UK

Title of the Conference: 11th International Conference on (FICTA 2023)

Date of the Conference: 11-12, April 2023

Name of the faculty: **Dr. Sandeep Kumar Panda and Mr. K. Varaprasada Rao**

Title of the paper: **Initiation, Innovation, Implementation and Integration of CBDC in digital virtual payment systems**

Organized by: Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, UK

Title of the Conference: 11th International Conference on (FICTA 2023), Date of the Conference: 11-12, April 2023
International Conferences:

Name of the faculty: **Dr. Sandeep Kumar Panda** and **Dr. Santosh Kumar Sahoo**, Title of the paper: *Predominant Music Genre Classification using Machine Learning Approach*, Organized by: Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, UK, Title of the Conference: 11th International Conference on (FICTA 2023), Date of the Conference: 11-12, April 2023

Name of the faculty: **Dr. Sandeep Kumar Panda**, Title of the paper: *Vehicle Detection and Classification Using Intelligent Systems*, Organized by: Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, UK, Title of the Conference: 11th International Conference on (FICTA 2023), Date of the Conference: 11-12, April 2023

National Conferences:

Name of the faculty: **Dr. Chandrashekhar A**, **Dr. Shaik Himam Saheb** and **Dr. M.L. Pavan Kishore**, Title of the paper: *Kinematic Analysis and Applications of Robot Manipulators*, Organized by: Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Title of the Conference: International Conference on Smart System Technologies and Applications (ICSSTA 2023), Date of the Conference: 28th April 2023 – 29th April 2023

Name of the faculty: **Dr. Bonala Kondal**, Title of the paper: *The Effect of Written Corrective Feedback for the Development of L2 Writing*, Organized by: Faculty of Science and Technology, GL Bajaj Institute of Technology and Management, Greater Noida, India, Title of the Conference: National Conference on Transformational trends in Linguistics, Literature & Language Teaching (TTLLLT 2023), Date of the Conference: 4th and 5th May, 2023

Name of the faculty: **Dr Swathi Mulinti**, Title of the paper: *Use of Collaborative Writing Tools and its Effects on the Writing Skills of the UG Engineering Students: An Intervention Study*, Organized by: Faculty of Science and Technology, GL Bajaj Institute of Technology and Management, Greater Noida, India, Title of the Conference: National Conference on Transformational trends in Linguistics, Literature & Language Teaching (TTLLLT 2023), Date of the Conference: 4th and 5th May, 2023

Name of the faculty: **Dr. V.Madhupama**, Title of the paper: *Acquisition of Lexical Polysemic “veyyi” in Telugu speaking children*, Organized by: Department of Computer Science & Engineering GL Bajaj Institute of Technology and Management, Greater Noida, India, Title of the Conference: International Conference on Disruptive Technologies (ICDT-2023),
Dr. Sandeep Kumar Panda served as the key note speaker for 11th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA-2023) to be held during 11th to 12th of April 2023.

Dr. Sandeep Kumar Panda was invited as an expert for Board of Studies of CSE/CSE(AI&ML)/CSE(Data Science) on 11-03-2023 at Sreyas Institute of Engineering and Technology, Bandlaguda, Hyderabad.

Dr. Sandeep Kumar Panda served as a reviewer in the 12th Project Innovation Contest in conjunction with the 19th ICDCIT-2023, held during January 18-22, 2023 organized by the School of Computer Engineering, Kalinga Institute of Industrial Technology, Deemed to be University, Bhubaneswar, India.


Dr. Sandeep Kumar Panda received appreciation certificate for organizing theme based Special Session titled "Blockchain4.0: Artificial Intelligence and Industrial Internet of Things Paradigm in New Advanced Society Challenges, Applications" in FICTA 2023 held at Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, UK.


Dr. Chandra Shekhar Akula: Dr. Chandra Shekhar Akula's (Associated Dean IQAC) Indian Patent titled "BATTERY PACK FOR ELECTRIC VEHICLE" was granted on the 7th of March 2023.

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