

# CSE Newsletter

JAN'22-JUN'22

Chief Editor: Dr. T. Ravichandran , HOD/CSE

Editor: Ms.C.Mariyammal, AP/CSE

Co-Editor: Ms.D.Arthi, AP/CSE

Student Editorial Board: Mithesh (21P331), M. Vibinsuryaa (21P358), A. Satheesh Ajo (19P335)

## ***Vision of the Institute***

To become one of the best institutions at the National and International level by incorporating innovative teaching -learning methods to enable the students to secure a high-value career, motivate to pursue higher education and research to serve the society.

## ***Mission of the Institute***

- To bring out knowledgeable engineers and professionals in their field of specialization by having qualified and trained faculty members and staff besides necessary infrastructure and to create highly conducive teaching and learning environment .
- To work in close association with stakeholders by way of enhanced industry – institute interaction, to take up need based research and industry specific programmes.
- To organize co-curricular and extracurricular activities for character and personality development thereby to produce highly competent and motivated engineers and professionals to serve and lead the society.

## ***Vision of the Department***

To create computer professionals with a strong academic and technical background to achieve special distinction at the national and international arena and also to serve and lead the society.

## ***Mission of the Department***

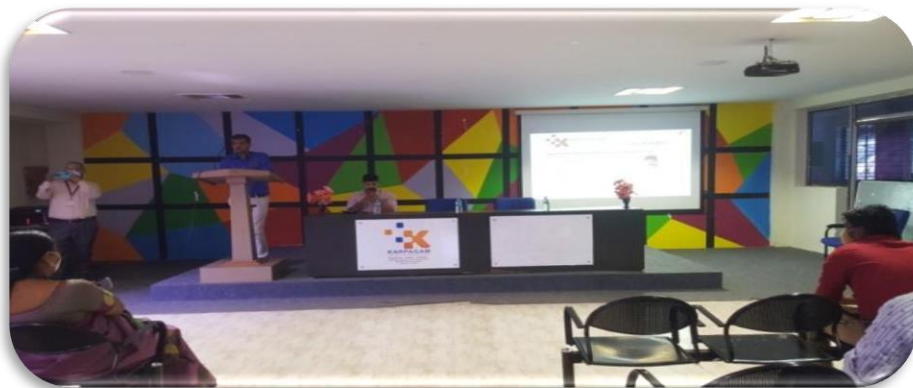
- Providing excellent learning opportunities for students in Computer Science and Engineering to meet the wholesome needs of the Nation.
- Establishing centers for research in areas of immediate needs to the society.
- Develop ICT based solutions for the growth of the nation.

### **Warm Welcome to**

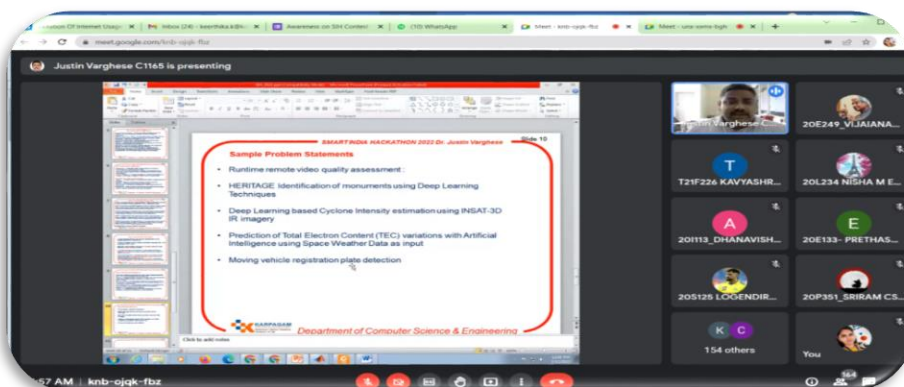
- ❖ Dr. .Malini joined as Associate Professor on 08<sup>th</sup> May 2023.
- ❖ Dr. G.Kalaimani joined as Professor on 10<sup>h</sup> May 2023.
- ❖ Mr. J.Anonty Vijay joined as Assistant Professor on 13<sup>th</sup> March 2023.
- ❖ Dr.V.Vignesh joined as Associate Professor on 16<sup>th</sup> May 2023.
- ❖ Mr. R. Venkatesh joined as Assistant Professor on 22<sup>nd</sup> April 2022.
- ❖ Ms. D. Gowthami joined as Assistant Professor on 13<sup>th</sup> June 2022.

### **DEPARTMENT ACTIVITIES**

- ❖ Organised a Power Seminar on “Future of Technologies” on 04<sup>th</sup> January 2022.
- ❖ Organised a Webinar on “Design Thinking” on 05<sup>th</sup> January 2022.



- ❖ Organised a Webinar on “Design Thinking” on 12<sup>th</sup> February 2022.



### **FACULTY ACHIEVEMENTS**

**JOURNAL PUBLICATIONS/ PAPER PRESENTATION / INTERNATIONAL / NATIONAL CONFERENCES:**

**Dr. S. Angel Latha Mary, Prof and Head / CSE**

- ❖ Published a paper titled “ A New Parameter Estimation Methodology for Determining Optimum Parameters in Tumor ”, Bulletin of Environment, Pharmacology and Life Sciences, Vol 11 , No.5, 2022 pp. 180-185, 2022.

#### **Dr. M. Prakash, Prof / CSE**

- ❖ Published a paper titled “Improved Metaheuristics-Based Clustering with Multihop Routing Protocol for Underwater Wireless Sensor Networks”, Sensors, Vol 22 ,No.4, 2022, pp. 1618.
- ❖ Published a paper titled “An Efficient Metaheuristic-Based Clustering with Routing Protocol for Underwater Wireless Sensor Networks”, Sensors, Vol.22, No.2, 2022, pp.415.
- ❖ Published a paper titled “An Efficient On-Demand Virtual Machine Migration in Cloud Using Common Deployment Model”, Computer Systems Science and Engineering, Vol.42, No.1, 2022, pp.245-256.
- ❖ Published a paper titled “A Deep learning Modified Neural Network (DLMNN) based proficient sentiment analysis technique on Twitter data”, Journal of Experimental and Theoretical Artificial Intelligence, 2022.
- ❖ Published a paper titled “Digital Mammogram Inferencing System Using Intuitionistic Fuzzy Theory”, Computer Systems Science & Engineering, vol.41, no.3, 2022, pp.1099-1115.
- ❖ Published a paper titled “Blockchain for Securing Healthcare Data Using Squirrel Search Optimization Algorithm”, Intelligent Automation & Soft Computing, Vol.32, No.3, 2022, pp.1815-1829.
- ❖ Published a paper titled “An Intelligent Cognitive-Inspired Computing with Big Data Analytics Framework for Sentiment Analysis and Classification”, Information Processing and Management, Vol. 59, No.1, 2022, pp. 102758.
- ❖ Published a paper titled “Maximum Likelihood Based Estimation with Quasi Oppositional Chemical Reaction Optimization Algorithm for Speech Signal Enhancement”, International Journal of Information Technology, 2022.

#### **Dr. S. Kannimuthu, Professor / CSE**

- ❖ Published a paper titled “Discovery of Interesting Item sets for Web Service Composition Using Hybrid Genetic Algorithm”, Neural Processing Letters, 2022.
- ❖ Published a paper titled “CLSA - CapsNet: Dependency Based Concept Level Sentiment Analysis for Text”, Journal of Intelligent & Fuzzy Systems, Volume 43 , No.1, 2022, pp. 107–123.
- ❖ Published a paper titled “Conditional Generative Adversarial Network Approach for Autism Prediction”, Computer Systems Science and Engineering, 2022.

#### **Dr. P. M. Arunkumar, Associate Professor / CSE**

- ❖ Published a paper titled “Time-Series Forecasting and Analysis of COVID-19 Outbreak in Highly Populated Countries: A Data-Driven Approach”, International Journal of E-Health and Medical Communications, Vol.13, No.2, 2022, pp.1-17.

#### **Dr. K. S. Bhuvaneshwari, Professor / CSE**

- ❖ Published a paper titled “ Improved Key Agreement Based Kerberos Protocol for M-Health Security ” Computer Systems Science & Engineering, Vol. 42, No.2, 2022, pp.577–587.
- ❖ Published a paper titled “Improved Dragonfly Optimizer for Intrusion Detection Using Deep Clustering CNN-PSO Classifier”, Computers, Materials & Continua, vol.70, no.3, 2022.
- ❖ Published a paper titled “Gaussian Support Vector Machine Algorithm Based Air Pollution Prediction”, Computers, Materials & Continua, vol.71, no.1, 2022.

#### **Dr. Senthil P, Assistant Professor / CSE**

- ❖ Published a paper titled “Predicting Attack Pattern via Machine Learning by Exploiting Stateful Firewall as Virtual Network Function in an SDN Network ”,Sensors, Vol. 22, no.3, 2022, pp.1-24.
- ❖ Published a paper titled “Research on Application of Pattern Recognition Algorithm for Complex Image” Journal of Computer Science Implications, Vol. 1, No. 1, 2022, pp.109 - 116.
- ❖ Published a paper titled “Analysis of Multi-Objective Optimization of Hybrid Vehicles Based on Immune Genetic Algorithm”, Journal of Computer Science implications, volume 1, No. 1, 2022, pp.109 – 116.

- ❖ Published a paper titled “Diabetic Retinopathy Detection using five Model of Convolutional Neural Network”, Journal of Computer Science Implications, Vol. 1, No. 2, 2022, pp.146 – 151.

## **FACULTY ACHIEVEMENTS**

### **FDP ATTENDED**

- ❖ Dr. M. Prakash, Professor attended ATAL Faculty Development Program on " Data Science " at Cochin University of Science and Technology from 7<sup>th</sup> to 11<sup>th</sup> January 2022.
- ❖ Ms. Subhashree. K, Assistant Professor attended ATAL FDP on “Recent Developments in IoT” at New Delhi from 17<sup>th</sup> to 21<sup>st</sup> January 2022.
- ❖ Ms. D. Aarthi, Assistant Professor attended ATAL FDP on “Artificial Intelligence and Block Chain Application for Food Agriculture Sector " at New Delhi between 24<sup>th</sup> to 28<sup>th</sup> January 2022.
- ❖ Dr. Arul Antran Vijay, Associate Professor attended FDP on “IoT & Applications (Smart Systems)” at Chennai from 14<sup>th</sup> to 25<sup>th</sup> February 2022.
- ❖ Dr. S. Angel Latha Mary, Professor, attended NPTEL FDP on “Database Management Systems “at Chennai from 18<sup>th</sup> January to 12<sup>th</sup> March 2022.
- ❖ Dr. M. Prakash, Professor, attended NPTEL FDP on “Cloud Computing and Distributed Systems “at Chennai from 18<sup>th</sup> January to 12<sup>th</sup> March 2022.
- ❖ Ms. K. Keerthika, Assistant Professor attended NPTEL FDP on “Database Management Systems” at Chennai from 18<sup>th</sup> January to 12<sup>th</sup> March 2022.
- ❖ Ms. G Sharmila, Assistant Professor attended NPTEL FDP on “Database Management Systems “at Chennai from 18<sup>th</sup> January to 12<sup>th</sup> March 2022.
- ❖ Dr. M. Prakash, Professor attended NPTEL FDP on “Data Analytics with Python “at Chennai from January to April 2022.
- ❖ Dr. Senthil. P, Assistant Professor attended NITTTSTC - on “Free Software and resources for Technical Education through ICT” at Karpagam College of Engineering between 21<sup>st</sup> to 25<sup>th</sup> March 2022.
- ❖ Dr. Allen Joseph, Assistant Professor attended NPTEL FDP on " Fundamental Algorithm: Design and Analysis " at Chennai during February and March 2022.
- ❖ Ms. D. Aarthi, Assistant Professor attended STTP on “Machine Learning and its Application to Big Data” at Jodhpur from 9<sup>th</sup> to 14<sup>th</sup> May 2022.
- ❖ Ms. Rama mani. S, Assistant Professor attended NITTTTR FDP on “Cybercrime and Forensic Tools” between 23<sup>rd</sup> to 27<sup>th</sup> May 2022.
- ❖ Dr. Senthil. P, Assistant Professor attended NITTTTR FDP on “Cybercrime and Forensic Tools” from 23<sup>rd</sup> to 27<sup>th</sup> May 2022.
- ❖ Dr. M. Prakash, Professor attended NITTTTR FDP on “Cybercrime and Forensic Tools” from 23<sup>rd</sup> to 27<sup>th</sup> May 2022.

## **STUDENT ACHIEVEMENTS**

### **Co-curricular Activities**

- ❖ 203 Students from CSE participated in a Power Seminar on “Future Technologies”- ICT Academy on 4<sup>th</sup> January 2022.
- ❖ 70 Students from CSE participated in a Webinar on “Design Thinking” – Session on 5<sup>th</sup> January 2022.
- ❖ 203 Students from CSE participated in a “Boot camp on Own Virtual Assistant” on 5<sup>th</sup> January 2022.
- ❖ 29 Students from CSE participated in an online course “Red Hat System Administration I 8.0 (RH124)” between 22<sup>nd</sup> to 31<sup>st</sup> January 2022.
- ❖ 135 Students from III CSE participated in a Webinar “An Insight into Career Opportunities in Computer Science and Engineering to KCEians by KCEians” from 19<sup>th</sup> to 20<sup>th</sup> February 2022.
- ❖ 203 Students from II CSE participated in a Webinar “An Insight into Career Opportunities in Computer Science and Engineering to KCEians by KCEians” from 20<sup>th</sup> to 27<sup>th</sup> February 2022.
- ❖ 70 Students from CSE participated in a Webinar on “Design Thinking” – Session on 10<sup>th</sup> March 2022.

- ❖ 21 Students from CSE successfully completed the NPTEL course whereas 7 students have secured Elite +Silver grade.
- ❖ 198 students from CSE participated in ICT- Skillathon conducted by UI PATH.
- ❖ 103 students from CSE participated in the Awareness program on “Smart India Hackathon” Contest on 12<sup>th</sup> February 2022.