

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Jan'21-Jun'21

**Chief Editor: Dr.S.Angel Latha Mary,HOD /CSE**

**Editor: Dr.M.Prakash, Prof. /CSE**

**Co – Editor: Mrs.E.Ramakalaivani,AP/CSE**

**Student Editorial Board: M.Kalaivathi (19P316),T.Sanmathi (19P129),S.Saranya(19P334)**

### ***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 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 international arena and also to serve and lead the society.

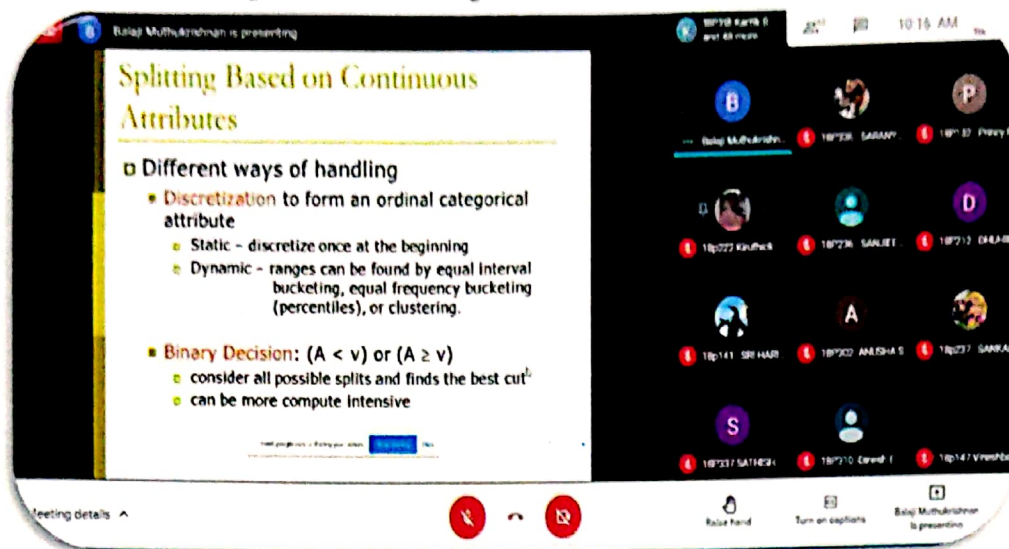
### ***Mission of the Department***

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

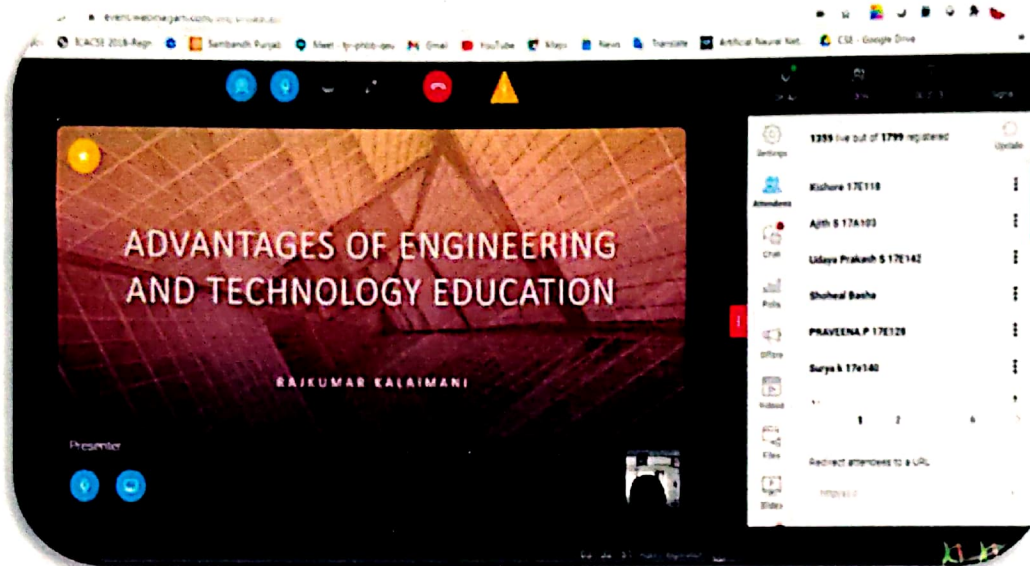
### ***DEPARTMENT ACTIVITIES***

- ❖ Organized ICT Academy – Fresher Induction Program 2021 (GET SET GO) on 9<sup>th</sup> January 2021.
- ❖ Organized ICT Academy – Power Seminar on 12<sup>th</sup> January 2021.
- ❖ Organized “Ken Thompson Memorial Lecture” in association with Higher Education Cell on 4<sup>th</sup> January 2021.

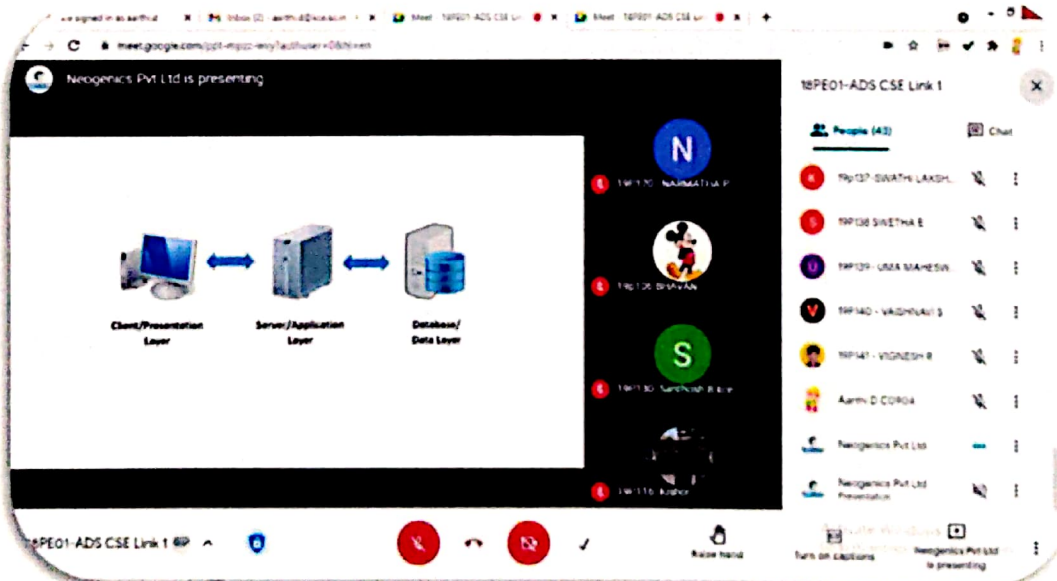
❖ Organized Industrial Training on "Artificial Intelligence" between 19<sup>th</sup> to 20<sup>th</sup> March 2021



❖ Organized Webinar on "Advantage of Engineering and Technology Education" on 12<sup>th</sup> January 2021



❖ Organized Webinar on "Exploring Computer Science Opportunities" on 27<sup>th</sup> March 2021 .





## **FACULTY ACHIEVEMENTS**

### **Journal Publication– International/ National conferences**

#### **Dr.S.Angel Latha Mary, Professor and Head**

- ❖ Published a paper titled "A Zero-Trust approach in digital forensics", Annals of the Romanian Society for Cell Biology, Vol. 25, No.6, 2021, pp.1263-1266.
- ❖ Published a paper titled "Fuzzy based mean filtering technique using NLM Algorithm", Annals of the Romanian Society for Cell Biology, Vol. 25, No.6, 2021, 1786 – 1792

#### **Dr.M. Prakash, Professor**

- ❖ Published a paper titled "Active Volume Control in Smart Phones Based on User Activity and Ambient Noise" in Sensors, Multidisciplinary Digital Publishing Institute, Vol. 20, No. 15, p. 4117, 2021.
- ❖ Published a paper titled "An Efficient Applications Cloud Interoperability Framework Using I-Anfis" in Sensors, Multidisciplinary Digital Publishing Institute, Vol.13, No.2, p. 268, 2021.
- ❖ Published a paper titled "Addressing Semantics Standards for Cloud Portability and Interoperability in Multi Cloud Environment" in Sensors, Multidisciplinary Digital Publishing Institute, Vol. 13, No.2, p. 317, 2021.

#### **Dr.Justin Varghese, Professor**

- ❖ Published a paper titled "Development of hand gesture recognition system using machine learning", Journal of Ambient Intelligence and Humanized Computing, Vol. 12, No.6, pp. 6793-6800, 2021.

#### **Dr.S.Kannimuthu, Associate Professor**

- ❖ Published a paper titled "Mining interesting actionable patterns for web service composition" Journal of Ambient Intelligence and Humanized Computing, Vol. 12, No.6, 2021, 6181-6187
- ❖ Published a paper titled "Effective radical driver support system using machine learning methods for connected vehicles", Turkish Journal of Physiotherapy and Rehabilitation, Vol. 32, No.2, 2021, 1024-1031

#### **Dr.K.S.Bhuvaneshwari, Associate Professor**

- ❖ Published a paper titled "Effective radical driver support system using machine learning methods for connected vehicles", Turkish Journal of Physiotherapy and Rehabilitation, Vol. 32, No.2, 2021, 1024-1031

#### **Dr.S. Arul Antran Vijay, Assistant Professor**

- ❖ Published a paper titled "Fuzzy system for classification of microarray data using a hybrid ant stem optimization algorithm", International Journal of Advanced Intelligence Paradigms Vol. 18, No.2, 2021, 154-170

#### **Ms.S.Rama Mani, Assistant Professor**

- ❖ Published a paper titled "DNA Cryptography Based Secure Data Transmission", Annals of the Romanian Society for Cell Biology, Vol. 25, No.6, 2021, 655-667.

#### **Ms.E.Rama Kalaivani, Assistant Professor**

- ❖ Published a paper titled "The Effect of Stop Word Removal and Stemming In Data preprocessing", Annals of the Romanian Society for Cell Biology Vol. 25, No.6, 2021, 739-746

#### **Ms.K. Subhashree, Assistant Professor**

- ❖ Published a paper titled "Automatic gas booking system using IOT", Journal of Xi'an Shiyu University, Natural Science Edition Vol. 16, No.9, 2020, 201-205.

#### **Ms.S.Mohana Priya, Assistant Professor**

- ❖ Published a paper titled "DNA Cryptography Based Secure Data Transmission", Annals of the Romanian Society for Cell Biology, Vol. 25, No.6, 2021, 655-667.

#### **Ms.S. P.V.Ashwathy Devraj, Assistant Professor**

- ❖ Published a paper titled "Matlab/Simulink Based THD Reduction Using Active Power Filters", Annals of the Romanian Society for Cell Biology, Vol. 25, No.6, 2021, 655-66

### **Seminar / Workshop / FDPs / STTPs – Presented / Attended**

#### **Dr. M. Prakash, Professor**

- ❖ Attended ATAL Faculty Development Program on "Data Science" at Cochin University of Science and Technology between 07<sup>th</sup> – 11<sup>th</sup> January 2021
- ❖ Attended Faculty Development Program on "Cyber Security" at NITTTR, Chandigarh between 12<sup>th</sup> to 23<sup>rd</sup> April 2021.
- ❖ Attended FPD on "Programming, Data Structures And Algorithms Using Python" NPTEL at IIT, Madras between 18<sup>th</sup> to 21<sup>st</sup> March 2021
- ❖ Attended AICTE Recognized Faculty Development Program on "Open Source Cyber Security Tools" at



NITTTR, Chandigarh between 07<sup>th</sup> to 18<sup>th</sup> June 2021

- ❖ Attended Two Weeks Faculty Development Program on "Developing online courses for SWAYAM" at Uttarakhand Open University, Haldwani between 21<sup>st</sup> June 2021 to 05<sup>th</sup> July 2021

**Dr.P.Murugeswari, Professor**

- ❖ Attended AICTE Recognized Faculty Development Program on "Cyber Crime and Forensic Tools" at NITTTR, Chandigarh between 17<sup>th</sup> to 21<sup>st</sup> May 2021

**Dr. M. Prakash and Dr.P.Murugeswari, Professor**

- ❖ Attended AICTE Recognized Faculty Development Program on "Open Source Cyber Security Tools" at NITTTR, Chandigarh between 07<sup>th</sup> to 18<sup>th</sup> June 2021

**Dr.P.Murugeswari, Professor and Ms. Aarthi D, Assistant Professor**

- ❖ Attended AICTE sponsored STTP on "Artificial Intelligence and Deep Learning for Computational Biology" at PSNA College of Engineering and Technology between 01<sup>st</sup> to 06<sup>th</sup> February 2021.

**Ms. Aarthi D, Assistant Professor**

- ❖ Attended AICTE sponsored STTP on "Research Aspects on Deep Learning in Image and Video Processing - I" at Velammal Institute of Technology between 04<sup>th</sup> to 09<sup>th</sup> January 2021.

**Ms.Keerthika K, Assistant Professor**

- ❖ Attended Faculty Development Program on "Data science and Machine Learning" at between 13<sup>th</sup> to 17<sup>th</sup> May 2021.
- ❖ Attended Short Term Course on "Artificial Intelligence" at Sanskriti School of Engg., Puttaparthi between 24<sup>th</sup> to 28<sup>th</sup> May 2021.

**Ms.A.Senthil Anandhi, Assistant Professor**

- ❖ Attended "Train The Trainer Program on Java Programming" organized by INFOSYS between 05<sup>th</sup> to 09<sup>th</sup> June 2021.
- ❖ Attended Faculty Development Program on Fundamentals of AI at organized by ICT Academy between 14<sup>th</sup> to 18<sup>th</sup> June 2021.
- ❖ Attended Faculty Development Program on "Data Analytics and Machine Learning Using Python" between 12<sup>th</sup> to 16<sup>th</sup> July 2021
- ❖ Attended Faculty Development Program on Teaching Tool for 21st Century - Phase III from 18<sup>th</sup> to 24<sup>th</sup> May 2021 at Karpagam College of Engineering (Autonomous).

**Ms. Subhashree K, Assistant Professor**

- ❖ Attended Faculty Development Program on Essential Skills and Technologies for Quality Research conducted by P. E. S. College of Engineering between 30<sup>th</sup> March 2021 to 03<sup>rd</sup> April 2021
- ❖ Attended Faculty Development Program on Introduction to Python Programming conducted by ICT Academy between 24<sup>th</sup> to 28<sup>th</sup> May 2021
- ❖ Attended Faculty Development Program on Creative Thinking conducted by ICT Academy from 07<sup>th</sup> to 11<sup>th</sup> June 2021.
- ❖ Attended Faculty Development Program on Data Science and its Applications conducted by Sagi Rama Krishnam Raju Engineering College between 10<sup>th</sup> to 15<sup>th</sup> June 2021
- ❖ Attended Faculty Development Program on Multi Technologies conducted by CMR Engineering College between 28<sup>th</sup> June 2021 to 03<sup>rd</sup> July 2021

**Dr.S.Arul Antran Vijay, Assistant Professor**

- ❖ Attended Faculty Development Program on "Data Sciences" at Saintgits College of Engineering from 18<sup>th</sup> to 22<sup>nd</sup> January 2021.
- ❖ Attended Faculty Development Program on "Artificial Intelligence" at Birla Institute of Technology, Mesra, Ranchi between 25<sup>th</sup> to 29<sup>th</sup> January 2021.

**Ms. P V Ashwathy Devaraj, Assistant Professor**

- ❖ Attended Faculty Development Program on "DIGITAL IMAGE PROCESSING- A PRACTICAL APPROACH" at Government Polytechnic College, Gandarvakottai between 24<sup>th</sup> – 02<sup>nd</sup> May 2021
- ❖ Attended Faculty Development Program on "Recent Research Trends in Computing" at Indra Ganesan College of Engineering, Madurai between 31<sup>st</sup> May and 04<sup>th</sup> June 2021.
- ❖ Attended Faculty Development Program on "Enhancing Technical Writing Skills" at Ahalia School of Engineering and Technology, Palakkad between 07<sup>th</sup> to 11<sup>th</sup> June 2021
- ❖ Attended Faculty Development Program on "Multi-Technology" at Chrisitian College of Engineering and Technology between 28<sup>th</sup> to 03<sup>rd</sup> July 2021

**Ms. E.Rama Kalaivani, Assistant Professor**

- ❖ Attended Faculty Development Program on "Fundamentals of RPA" conducted by ICT academy at Karpagam College of Engineering, Coimbatore between 21<sup>st</sup> June 2021 to 25<sup>th</sup> June 2021 KIC organised a live interactive session on "How to plan for Start-up: Legal and Ethical Steps" on 29<sup>th</sup> Mar 2021.