INBOX CSE COMMUNICATIONS

Dr Sunitha E V
**Head Of the Department
Computer Science & Engineering**

Message From HOD

Computer Science & Engineering is a multi-faceted and evolving branch of engineering. The computer engineer can work in different domains such as software engineering, database administration, machine learning, artificial intelligence, data science, networking, etc. and above all, under the current scenario, all online platforms are the result of computer science. The CSE Department has qualified and committed professors and well-developed laboratories.

We pass on the teaching of quality engineering through strong theoretical knowledge, hands-on lab as well as computer skills and exposure to recent technologies by visiting industries & expert - discussions. We offer students the possibility to take part not only in technical events, but also in artistic and sporting activities. This newsletter highlights the skills of our students in arts and other extracurricular activities.

BEST STUDENTS AWARD- 2021
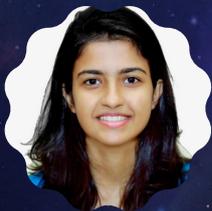
Karen Sherry Chandy
CS8A
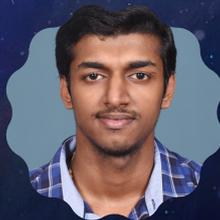
Roshan M Thomas
CS8B

The Best Student award is a prestigious recognition delineated to final year passouts for the excellence exhibited by them in academics,placement and overall contribution.
Congratulations to the students for coming up with flying colors after 4 years of hardwork and dedication and also becoming an icon of pride and inspiration to the juniors.The Department wishes you great success in all your future endeavours.

CONGRATULATIONS!

Story Inside.....

WEBINARS AND WORKSHOPS

Mr Santhosh Chaluvadi
Founder & CEO
Supraja Technologies

Mr C S Jayan
Partner SVJS &
Associates,Copany
Secretaries
Felllow member -
Institute of Company
Secretaries of India

The Department organized a webinar on CyberSecurityAttacks & it's Countermeasures during Covid 19 Pandemic on the 11th of June 2021.The resource person was Mr. Santhosh Chaluvadi (Founder and CEO Supraja technologies).

Even in the hard times of pandemic, its indeed great steps taken forward to instill new thoughts in young minds

CSI chapter, has been so keen in nurturing the skill of leadership, problem solving and decision making qualities among the student community here at the Department Of Computer Science & Engineering.

Imparting the skill of Euntreupreunorship and promoting startups by young generations is one amoung the major concerns.

To address these, we organized a Webinar on " Startups From Scratch To Hatch For Budding Engineers" on 4th of May 2021 for third , sixth and eighth semester students .The workshop was conducted as a CSI activity for Students.

Resource Person: CS Jayan K, company Secretaries

Keeping in pace with the trends in technology and its use in virtual learning and evolution in pedagogy, The Department organized a Webinar by Virtual Labs, An MoE Govt Of India initiative on 20th of February 2021.

Signed an Expression of Interest (EoI) with NITK Surathkal.

Nodal Coordinator : Dr. Ranju . S. Kartha

INTERNATIONAL CONFERENCE ON
COMPUTATIONAL INTELLIGENCE AND DIGITAL TECHNOLOGIES 2021 (ICCIDT 2K21)

www.iccidt.in

ICCIDT is a prestigious International conference organized by Department of Computer Science and Engineering, Mangalam College of Engineering. This conference will be a great platform for Researchers, academicians, students and Industries to come together and discuss on multiple real-time or classical problems and to suggest the possible solutions.

In-spite of the difficulties faced due to the pandemic spread across the globe, ICCIDT 2K21 proceedings were done with utmost importance and pride.

The event took place from 15th to 16th of May 2021 through google meet online platform..
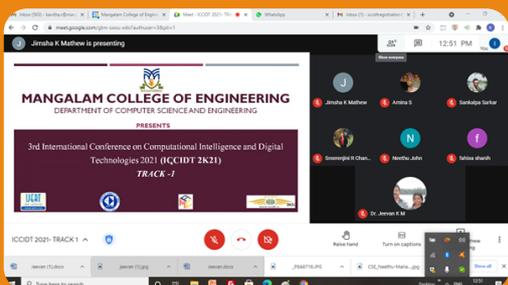
ICCIDT 2K21 EVENT HIGHLIGHTS
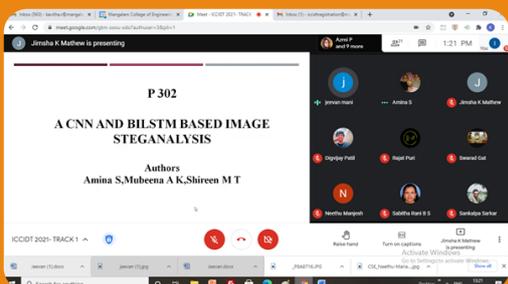
Keynote Address I - Multi-robot Complete Coverage Path Planning Algorithms and Applications.

Dr. Vishnu G Nair

Postdoctoral Fellow Department of Aerospace Structures and systems

University of Liege Belgium
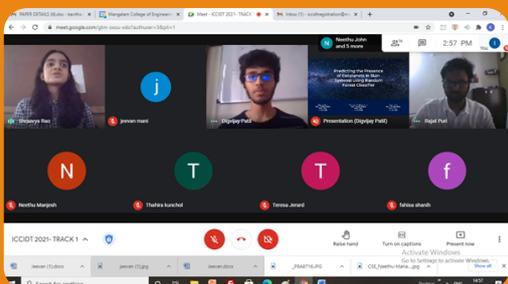
Keynote Address II - Logic Encryption for Hardware Security.

Dr. Manjith B.C.

Assistant Professor

Indian Institute of Information Technology, Kottayam.

CONFERENCE THEMES

ARTIFICIAL INTELLIGENCE

DATA ANALYTICS

INTERNET OF THIS(IoT)

COMPUTING

COMPUTER NETWORKS

SECURITY AND CRYPTOGRAPHY
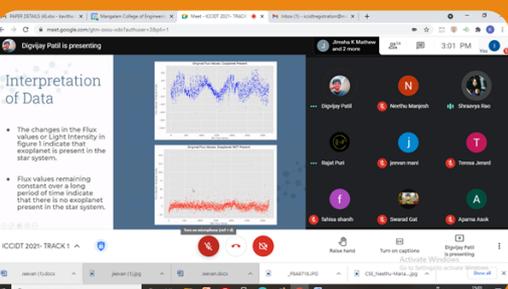
MoUs & Industry Exposure

Outcome based Education is the motto and driving force behind the Department. Moulding young talents well suited for the industry has always been the most important tasks undertaken by the technical wing under the Department. As a part of these initiatives, Mangalam College of Engineering, Ettumanoor signed an MoU with ASAP Kerala for skill development on 18th of March 2021. Dr Ranju S Kartha, Associate Professor Dept. Of Computer Science & Engineering has been delegated as the nodal officer.

As an immediate step forward, the students were imparted a foundation course on Robotic Process Automation (RPA) Developer under the guidance of Dr Ranju S Kartha.

Following the above programmes, The ICT Academy of Kerala and the Department jointly organized "Automation Anywhere University's "BOT Aspirant" program".

Automation Anywhere is a global leader in Robotic Process Automation (RPA), empowering customers to automate end-to-end business processes with software bots.

Mangalam College of Engineering, Ettumanoor has become a part in Microsoft Learn for Educators program.

The Microsoft Learn for Educators program not only provides the institution with access to Microsoft curriculum but also can more easily offer current technology content to the students and create opportunities for students to earn industry-recognized certifications.

Student Placements

6D Technologies
Smart Ideas, Delivered

Preethi Prasannan

Sreelakshmi S

Shaldrin Emerson

SUTHERLAND

Ashirvad Abraham Varghese

Anjana Pradeep

TATA CONSULTANCY SERVICES

Amal Don

congratulations

Project Patents

HOME ELECTRICITY BILL SCHEDULING APPLICATION USING IOT AND MACHINE LEARNING

The eminent faculty community of the Dept. of Computer Science & Engineering proudly instigates a concept ganging up the IOT and Machine Learning for scheduling the home electricity bill.

The project has received patent with patent office journal number 16/21 page-19479 dated 16-04-21 .

Name Of Inventors

Asst Prof. Simi Mary Kurian
Asst Prof. Neema George
Asst Prof. Nimmymol Manuel
Asst Prof. Neethu Maria John

The invention relates to an intelligent management system for electricity consumption based on tariff. In one embodiment, this is accomplished by monitoring to measure power consumption of a plurality of power managed appliances individually using electric meter and storing the same in a database. Checking the past power consumption tariffs and allowing the user to define a threshold tariff for the current month. Analyzing the pattern of power consumption by the customer and prepare a schedule for each power managed appliances such a way that total tariff amount is not greater than the defined threshold tariff for the current month. Scheduling automatically one or more power managed appliances to use low power by switching OFF for a pre-determined time period in between the operation of the devices and providing a live report/ status of energy usage to the customer via an application interface through internet connectivity.

Asst.Prof. Simy Mary Kurian

Asst.Prof. Neema George

Asst.Prof. Nimmymol Manuel

Asst.Prof. Neethu Maria John

Faculty Achievements

Book Publications

- Innovative Teaching and learning Process during COVID 19, ISBN 978-93-89631-66-1 E-BOOK 978-93-89631-67-8, Author: Kavitha Nair R

- Emerging Research in Engineering and Technology, ISBN 978-81-950722-9-3, Author: Kavitha Nair R

- Perspectives of Business Management, ISBN: 978-93-90996-03-2, Author: Dr Ranju S Kartha

Paper Publications

- "Brain Tumor Detection by Gamma Map Stromberg Segmentation Based Entropy Classifier " Computers, Materials & Continua in Tech Science Press,Volume 69 No.2,DOI:10.32604/cmc.2021.018090 ,which is indexed by SCI with impact factor 3.772 - Author: Ms. Simy Mary Kurian

- Research Publication-Challenges and its Solutions with Blockchain Technology Adoption in Enterprises, Turkish Online Journal of Qualitative Inquiry(SCOPUS indexed Journal) - Author: Dr Ranju S Kartha

- Mining High Utility Sequential Pattern using Lexicographic q-Sequence Tree and Utility Linked-List, International Journal of Engineering Research & Technology (IJERT),ISSN: 2278-0181- Author: Dr Ranju S Kartha

- Automated Attendance System Based On Face Recognition & Live Video Processing - International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181- Author: Ms. Divya S B

- Design and Development of Agile/Scrum Dashboards, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181 - Author: Ms. Neena Joseph

- Emotion Recognition Systems and Emotion Correlation mining Using Neural Networks, International Journal of Engineering Research & Technology (IJERT),ISSN: 2278-0181- Author: Ms Kavitha Nair

- Web Based Graphical Password Authentication System-, international Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181 - Author: Ms. Sneha Mathew

- Wearable Device to Track Covid 19 Symptoms, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181 - Author: Ms. Gayathri R Krishna

- RFID Based Smart Card for Campus Automation, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181 - Author: Ms. Neema George

- Secure Peer-To-Peer Messenger And File Sharing Over IPV6, International Journal of Engineering Research & Technology (IJERT),ISSN: 2278-0181 - Author: Mr. Vishnu S Sekhar

- Automatic Neonatal Pain Detection for Pediatrics Using CNN, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181 - Author: Ms. Simy Mary Kurian

- A Novel Sentiment Classification of Product Reviews using Levenshtein Distance, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181 - Author: Ms. Neethu Maria John

- Save the Drowsy Driver ,International Journal of Engineering Research & Technology (IJERT),ISSN: 2278-0181 - Author: Ms. Neethu Maria John

- Real time face mask detection and recognition using python, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181 - Ms. Tinu Thomas

Department of Computer Science & Engineering
Mangalam College Of Engineering Ettumanoor

Vision

To become centre of excellence in computing and research where future generations embrace technologies wholeheartedly and use its possibilities to make the world a better place to live

Mission

Enlight the young talents to achieve academic excellence as well as professional competence by imparting state of the art knowledge in computing and to be admirable individuals with ethical values and appropriate skills.

PEO1(Focus: Domain knowledge & Problem Solving) Graduates will have strong foundation and profound knowledge in computing and be able to analyse the requirements of real world problems, design and develop innovative engineering solutions and maintain it effectively.

PEO2(professional Competence & Life long learning) Graduate will adapt to technological advancements by engaging in lifelong learning and research, there by contribute to computing profession.

PEO3 (Focus: Ethics & Soft skill) Graduate will foster team spirit, leadership, communication, ethics and social values, which will lead to apply knowledge of societal impacts of computing technologies.

https://www.facebook.com/CSE.MLMCE

Dept. of CSE Mangalam College of Engineering

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