



Amal Jyothi College of Engineering
Kanjirapally, Kerala

Bytes

Dept. of Computer Science & Engineering



JUNE 2021

TECHBITS RELOADED

Following the overwhelming success of Techbits Season 1, ACM AJCE proudly organized the second edition, "Techbits Reloaded". This was also an interesting quiz based on Cyber Awareness. This is conducted as a part of the "National Technology Day" on 11th May 2021.

This quiz provided participants with the opportunity to learn more about Cyber Security. This was done through a platform called quizziz.com, and the platform provided the participants with a fun experience throughout the quiz. In total 210 students participated in the quiz. They were happy with the overall experience. For them, it was an exciting and competitive experience.



TuroChamp

An exhilarating treasure hunt incorporating almost all Instagram features was conducted on 9th April 2021. It was a great experience and fun for students. The main aim of this event was to use Instagram for fun. A total of 106 students had participated. Students participated as individuals or as a group of two. Many instructions are given to participants prior to the event to ensure the event's success. It was an interesting and fun event and participants enjoyed it very much. The event was a great success with the participation of 104 students. The winner received a cash prize of ₹1000. All other participants received a certificate of Participation.



INSTANAV

It was an online chess tournament held to honour Alan Turing (Father of Modern Computer Science). The programme took place on June 18, 2021 with an overall participation of 107 students. It consisted of two rounds of competition. Several Kerala students attended the event. The event is being held on a platform called chess.com, and the platform has provided the participants with a fun and enjoyable experience. The facilitator / coordinator may be able to monitor the entire tournament on this platform.

Fastest Finger First

It was a completely online event that took place entirely within a WhatsApp group. It took place on June 25th, 2021, and included three rounds of competition with an overall participation of 157 students. In this event, the coordinator posted specific questions in the group, and the participant who correctly answered the most questions with the help of Google or any other browser was declared the winner. This event drew a large number of participants from Kerala. This was a huge success, and the feedback was fantastic. Winner is awarded with a Certificate of Achievement, while all other participants were given a Certificate of Participation.



JOB OPPORTUNITIES IN CURRENT MARKET

A webinar on "JOB OPPORTUNITIES IN CURRENT MARKET SCENARIO" in association with department of computer science and engineering by Mr. Alan S Dinsha, Manager, AVODHA CAREER EXPERTS, Infopark, Cochin on 19/06/2021 at 04:30 PM -5.30 PM for CSE Students. Webinar was in online mode via Google Meet.



QuaRunTime 2.0



Employability in IT Industry

Anju Joseph & Neethu C Sekhar Coordinated a Webinar on "Employability in IT Industry" for final year CSE students on April 27, organised by RP2, Round Professional Program. The webinar enlightened the scope of employability in the field of IT and also discussed different priorities in IT companies. This webinar was successful and helping hand for students to attain a better career.



The IEEE Computer Society Chapter of Amal Jyothi College Of Engineering hosted a 6-day event, "QuaRunTime 2.0", which commenced from 7th to 12th of June. The event comprised six different competitions like Quiz, Crossword, Word Search, Aptitude Test, Cryptography and Treasure Hunt. The registration was free for IEEE members, and non-IEEE members had to pay an amount of Rs. 50. There were 301 registrations, out of which 233 were from outside Amal Jyothi College and from 40 different colleges all over India. Notably, 134 were from the CS branch and 83 from the EC branch, among many others. We had about 68 registrations from AJCE and 46 from RSET itself. We received numerous positive feedback from the participants by appreciating the team and the efforts put into QuaRunTime 2.0. They also conveyed they had a great time participating in QuaRunTime 2.0. The competition was so competitive that there was a tie for first place! The winners were given a Cash Prize Rs. 6000 and was Rs 2500 was distributed to the two 1st place winners and Rs. 1000 for the 3rd place winner.



FDP/Courses Attended

- Dr Jeba Sonia J successfully completed a course on “Cybersecurity” conducted by Cisco Networking Academy on 19.06.2021
- Dr Jeba Sonia J attended AICTE sponsored two weeks online FDP on “Identification of Cyber Criminal Suspects Using Data Analytical Techniques and R Studio Software” conducted by Francis Xavier Engineering College Tirunelveli from 14.06.2021 to 26.06.2021
- Prof. Manoj T Joy and Ms. Neenu R attended 2 Weeks FDP on Internet of Things (IoT) Using Amazon AWS conducted by Finland Labs from 17th to 28th May 2021
- Ms. Shiney Thomas attended AICTE sponsored Two Week National Level FDP on “Machine Learning and Artificial Intelligence in Data Science (Phase-II),” organised by PACE Institute of Technology and Sciences, Andhra Pradesh from 24th May - 2nd June 2021.
- Dr. Jina Varghese attended FDP on “Exploring Math and Artificial Intelligence Techniques for Engineering and Science Applications,” organized by Thiagarajar College of Engineering, during June 3-5,2021.
- Tom Kurian attended FDP on “Robotic Process Automation Design and Development” by UiPath Academic Alliance from 17th May to 21st May
- Jeba Sonia J has attended an AICTE sponsored one-week online STTP on “Big Data Analytics” organized by Dept. of CSE, College of Engineering, Karunagappally from 03.05.2021 to 07.05.2021
- Jeba Sonia J has attended AICTE sponsored STTP on” Machine Learning Applications to Internet of Things (IoT)” organized by the Department of Electronics and Communication Engineering, Velammal College of Engineering and Technology from 01/03 /2021 to 06/03/2021.
- Jerin Thomas, Dr. Arun K S, Anishamol Abraham and Krishnalal G. has attended AICTE Sponsored Two Weeks Online Faculty Development Programme on “Computer Vision & Image Processing: Research Issues, Innovation and Application” - Phase - III Conducted by the Department of Electronics and Communication Engineering, PSNA College of Engineering and Technology, Dindigul during 10.02.2021 to 23.02.2021.
- Fr Siju John has attended 5-day online APJAKTU sponsored FDP on Biomedical Instrumentation-Research challenges conducted by EEE dep Amal Jyothi College of Engineering.
- Dr. Arun K.S, Mr. Jerin Thomas and Ms. Anishamol Abraham attended AICTE Sponsored Two Weeks Online FDP on “Computer Vision & Image Processing: Research Issues, Innovation and Application - Phase II Conducted by the Department of Electronics and Communication Engineering, PSNA College of Engineering and Technology, Dindigul during 20.01.2021 to 04.02.2021.
- Dr Jeba Sonia J attended 6 days online Faculty Development Program on “Applications of Artificial Intelligence and IoT in Engineering” organized by Dept. of CSE, College of Engineering Perumon from 1st Feb 2021 to 6th Feb 2021.
- Mr. Jayakrishna V participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on “Computer Science & Biology” from 2021-1-18 to 2021-1-22 at MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR.
- Mr. Jayakrishna V participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on “Computer Science & Biology” from 2021-1-10 to 2021-1-14 at Sandip Institute of Technology and Research Centre, Nashik.
- Ms. Shiney Thomas successfully completed NPTEL course “Practical Machine Learning with TensorFlow”

Seminar /Webinar / Workshop Conducted/Organised

- Ms. Shiney Thomas coordinated a webinar on “JOB OPPORTUNITIES IN CURRENT MARKET SCENARIO” by Mr. Alan S Dinsha, Manager, AVODHA CAREER EXPERTS, Infopark, Cochin on 19/06/2021 at 04:30 PM -5.30 PM for CSE Students.
- Ms. Shiney Thomas coordinated a webinar on “Impact of Covid-19 on Airline Industry & its Strategy to sustain in the industry” by Dr. R Harish, Deputy Director (Academics) & Deputy Campus Head, ICFAI Business School (IBS), Bangalore, on 05/07/2021 (Monday) from 3.00 PM - 4.00 PM. There were around 80 participants from 3rd and 4th year (all branches)
- Anju Joseph & Neethu C Sekhar Coordinated a Webinar on “Employability in IT Industry” for final year CSE students on April 27, organised by RP2, Round Professional Program.
- Dr Soney C George Interacted with final year BTech & MTech students of CSE on Projects publications, higher studies-opportunities.
- AJCE ACM-W conducted a technical treasure hunt event- ‘InstaNav’ on April 9th.
- Prof. Manoj T joy handled a session for the 7-day virtual NSS camp “Camped @Corona” which was conducted on 15th January. The topic was Cyber security challenges and Cryptoworld.

Seminar /Webinar / Workshop Attended

- Shiney Thomas has successfully completed 3-days workshop on introduction to Generative Adversarial Networks (GAN Art 2021) organized by Dept. of CSE, NIT Calicut jointly with AI Club, NIT Calicut from May 20-22, 2021.
- Shiney Thomas received certificate of participation in The Guinness World Record Event - Most users to take an online computer programming lesson in 24 hours, on April 24-25, 2021, jointly organized by GUVI an IIT-Madras Incubated Company and NEAT Cell, AICTE, Ministry of Education (Biggest Coding Revolution-AIfor India)
- Shiney Thomas was awarded the certificate of achievement for the successful completion of course “Build a Face Recognition Application using Python” from GUVI, on April 24,2021
- Jeba Sonia J has attended an international webinar on “Data Augmentation for Time Series Forecasting” organized by the Department of CSE, Jis College of Engineering, West Bengal on 1st April 2021.
- Prof. Syam Gopi, Ms. Elisabeth Thomas, Ms. Anishamol Abraham, Ms. Ansamol Varghese and Ms. Bini M Issac attended 5-day FDP-SI UHV Online Workshop “AICTE Incorporating Universal Human Values in Education (An AICTE Initiative)” from 2021-02-01 to 2021-02-05.
- Ms Neethu C Sekhar participated & successfully completed GitHub Hands-on workshop organized by GitHub and IncubateIND on 30th January 2021

Paper Presentation / Publications

- The Paper titled “Smart Farming Monitoring System” was awarded the Best Paper in online presentation of RTACT 21 Conference from June10-11,2021, organised by Sree Buddha College of Engineering, Pattoor, Alappuzha. Team Members: Alphonse Treesa Jacob, Amala Augustine, Abdhul Azeez, Ivy Rose Seban (S8 CSE) under the guidance of Prof Syam Gopi
- Jeena Jacob, Jeba Sonia J presented a paper titled “Video Based Facial Expression Recognition: A Deep Learning Approach” in the “International Conference on Smart and Intelligent Systems SIS 2021” conducted by VR Siddhartha Engineering College, (Autonomous), Vijayawada, Andhra Pradesh on 25/02/2021.

Student Achievements

- Akshay Ganesh has achieved a record titled, MaxiMUM portraits of Malayalam actor drawn by an individual under India Book of Records 2022, Asia book of records and international book of records.
- Diya Mereen Thomas has secured 1st position in "FIX-THE-MIX", a picture puzzle competition held on 27th June 2021 organized by the Women in Engineering Affinity Group of IEEE Student Branch of Amal Jyothi College of Engineering.
- Gowripriya Dileep has secured 2nd position in "FIX-THE-MIX", a picture puzzle competition held on 27th June 2021 organized by the Women in Engineering Affinity Group of IEEE Student Branch of Amal Jyothi College of Engineering.
- Anjana S Nair has secured 3rd position in "FIX-THE-MIX", a picture puzzle competition held on 27th June 2021 organized by the Women in Engineering Affinity Group of IEEE Student Branch of Amal Jyothi College of Engineering.
- Anson Benny has been chosen as the Volunteer Secretary of NSS Unit 215 of Amal Jyothi College of Engineering for the year 2021-2022.
- Arathy Baby has secured Second in REELS conducted on 12th and 13th June 2021 as a part of techno-cultural arts fest DAKSHA 2021 hosted by College of Engineering Poonjar.
- Athulya Anilkumar, S4 CSE A has secured Third prize in Tsumego tech Crossword conducted by GEC Idukki on 18th April 2021.
- Aneeta Shajan, S4 CSE A has secured Third prize in Eco-Lution Quiz Conducted by IEEE STUDENT BRANCH AJCE.
- Asif Shereef, S4 CSE A has secured Second position in the event "Pen it Down"; an online Story writing competition organized by IEEE SB CEP in collaboration with WIE AG on 28th April 2020.
- Diya Mereen Thomas S4 CSE A has secured FIRST prize in TECHWIZ- Technical Quiz Competition conducted as part of CSI National Level Technical Fest - TECH FOSS '21 on 19th May, 2021.
- Alan James, S4 CSE A has been selected to the IEEE Kochi Hub Design Team.
- Mr. Ameen Subair of S3 B. Tech CSE A batch is titled as Grand Master by Asia Book of records and India book of records for making 16 inverted portraits of Indian Presidents on an A5 sheet of paper including Dr. APJ Abdul Kalam, Rajendra Prasad, Prathibha Patil, and Ram Nath Kovind.
- Alan James of S3 CSE got third prize for the Photography contest conducted by CSI Kochi Chapter.

Faculty as Resource Person

- Dr. Jina Varghese, chaired a session for ICCIDT 2K21 on 15/5/2021, organized by the Department of Computer Science, Mangalam College of Engineering.
- Dr. Jina Varghese has chaired a session for the international conference on Intellectual Property Rights on 27/2/2021 held at Santhigiri College, Thodupuzha

Higher Studies Admission

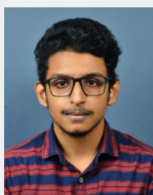
- Sandra Merin Thomas - M.Sc. Computer Science, University of Passau, Germany
- University of Passau is ranked 251st in the world by Times Higher Education 2020
- It ranks second among German universities in young university Ranking

PLACED STUDENTS

TCS



AFIF C ASHARAF



ALAN MATHEW



ALBIN JOSE



ALEN SEBASTIAN



AMAL JOSE



AN MARIA SHAJAN



ANN MARY SONA SUNIL



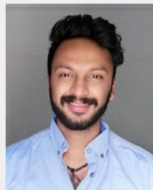
ANN S VETTOOR



ASHISH PRAKASH



DEEPIN K SUNNY



DENIO SHAJI JOHN



IVY ROSE SEBAN



JEWEL P JOSE



JOHNY XAVIER FERNANDEZ



KIRAN SAYI



LEOYON REJI



NEETHU MARIA MATHEW



NIKITA PREM



RITY ABRAHAM JACOB



ROSHAN JOB



ROSMIN AUGUSTINE



SANDRA MARIAM BINU



SHAHAD C K



YEDUKRISHNAN H

Vision of the Department

The Computer Science and Engineering department is committed to continually improve the educational environment in order to develop professionals with strong technical and research backgrounds.

Mission of the Department

To provide quality education in both theoretical and applied foundations of Computer Science & Engineering.
Create highly skilled Computer Engineers, capable of doing research and also develop solutions for the betterment of the nation.
Inculcate professional and ethical values among students.
Support society by participating in and encouraging technology transfer.

Programme Educational Objectives

PEO1 Be successfully employed in computing profession as well as multidisciplinary domains in supportive and leadership roles.

PEO2 Participate in life-long learning through successful completion of advanced degrees, continuing education, certifications and/or other professional development.

PEO3 Promote design, research, product implementation and services in the field of Computer Science and Engineering through strong technical, communication and entrepreneurial skills.

PSO1 Apply Engineering knowledge to analyze, design and develop computing solutions by employing modern computer languages, environments and platforms that can solve complex problems.

PSO2 Anticipate the changing direction of computational technology, evaluate it and communicate the likely utility of that for building software systems that would perform tasks related to industry, research and education.

PSO3 Inculcate the knowledge of Engineering and Management principles to manage projects effectively and create innovative career paths.

Programme Outcomes

B Tech Computer Science and Engineering Graduates will be able to:

- 1.Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2.Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4.Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5.Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- 6.The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7.Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 8.Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9.Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10.Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- 11.Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- 12.Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.