

Department of Information Technology
Presents!!

EVEN SEM!

Newsletter

2021-2022



EVEN SEM | 2021-2022

COOKIE

OFFICIAL NEWSLETTER

DEPARTMENT OF INFORMATION TECHNOLOGY, KCT



COMPEDIUM

- Events Organized
- Research Activities
- Placements and Internships
- Department Association
- Alumni Benefaction
- Students Corner
- New Faculty

“Technology like art is a
soaring exercise
of the human imagination.”

Chief Editor : Dr.Alamelu M (HOD/IT)

Faculty Editor : Ms.Prema Arokia Mary G (AP/IT)

Student Editor :Sindhu S(20BIT055)

Swathy K (19BIT008)

ABOUT DEPARTMENT

VISION

The department of Information Technology aspires to become a school of excellence in providing quality education, constructive research and professional opportunities in Information Technology.

MISSION

- To provide academic programs that engage, enlighten and empower the students to learn technology through practice, service and outreach
- To educate the students about social responsibilities and entrepreneurship
- To encourage research through continuous improvement in infrastructure, curriculum and faculty development in collaboration with industry and institutions.

PEO'S

PEO1: Graduates will have progressive learning and successful career in Information, Communication Technologies and their applications.

PEO2: Graduates will be leaders in their chosen field.

PEO3: Graduates will utilize the acquired technical skills and knowledge for the benefit of society.



EVENTS ORGANIZED

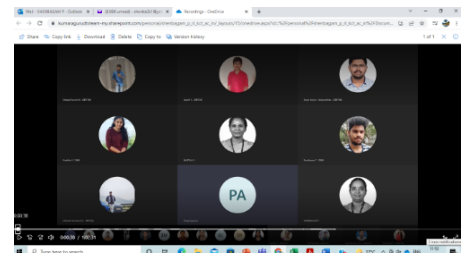
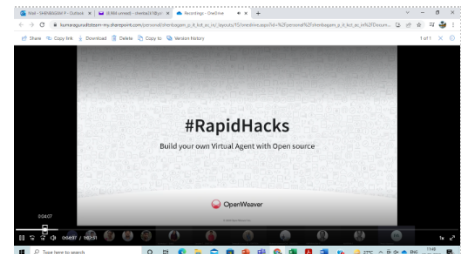
• Live Bootcamp on “Build your own Virtual Assistant”

Artificial Intelligence is the latest buzzword in the industry. This online bootcamp was conducted by Ms. Pooja Agarwal, Senior Developer Advocate, Openweaver.com.

The focus was on:

- Basics of machine learning, Virtual agents, and NLP
- Using Open Source - understanding licensing, evaluating support, quality and more
- Hands on project to build your own virtual agent

Developers can also use kandi kits that provide solution templates of curated libraries for their application. The users can sign up in the website and can create virtual assistants.



• Seminar on “Software Quality assurance for Product Development”

The program provides an insight of software quality assurance. The programme provides an hand session to test a mobile app (Both Andriod and ios)product developed by ZED digital.To enrich the knowledge on software quality assurance. It provides a real time software testing for a mobile application. Mr.P.Johnny Antony, Andriod Developer ZED Digital,USA ,Mr.H.Karthik IoT Developer ZED Digital,USA and Mr.R.Suresh Embedded Hardware Developer ZED Digital,USA were the resource persons participated in this event.The welcome address was given by the event coordinator. 130 students and 5 faculties were participated in this event. Finally the students got the idea for software tesing.





- **Workshop for PG students on “ Drafting a Research Article – Tools and Methods”**

The workshop for PG students titled” Drafting a Research Article- Tools and Methods” was conducted during 24.3.22 and 25.3.2022. The first year students of M.E, M.Tech and MCA participated the event.Dr.T.S.PradeepKumar Professor, Computer Science and Engineering at VIT Chennai and IEEE Senior Member and Dr. G.Jeyakumar Professor, Vice Chairperson, Department of Computer Science and Engineering, School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore were the resource persons participated in this event. Dr.K.Paramasivam , Professor/EEE, KCT,Dr.K.Kumaravel, AP-I/Bio Technology,KCT ,Dr.K. Ram, AP-II /Bio Technology ,KCT.Dr.N.Rajathi, Professor/IT,KCT Dr.P.Parameswari, AP(SRG) /MCA, KCT were the supporting staffs from KCT participated in this event. Totally 165 students were participated in this event.



RESEARCH ACTIVITIES



- S. Kavitha, N. Sanjana, K. Yogajeeva and S. Sathyavathi, **"Speech Emotion Recognition Using Different Activation Function,"** 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), 2021, pp. 1-5, doi: 10.1109/ICAECA52838.2021.9675789.
- Thirumal. Pc, V. Namitha and L. Shylu Dafni Agnus, **"Recommendation System with Different Algorithms,"** 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), 2021, pp. 1-5, doi: 10.1109/ICAECA52838.2021.9675479.
- P. Thirumal, L. Shylu Dafni Agnus, N. Sanjana, K. Yogajeeva and V. Namitha, **"Speech Recognition Using Data Augmentation,"** 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), 2021, pp. 1-5, doi: 10.1109/ICAECA52838.2021.9675607.
- S. Kavitha, B. Dhanapriya, G. N. Vignesh and K. R. Baskaran, **"Neural Style Transfer Using VGG19 and Alexnet,"** 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), 2021, pp. 1-6, doi: 10.1109/ICAECA52838.2021.9675723.
- S. Kavitha, K. Prakash Kumar, M. Dharshini and S. Sathyavathi, **"Medical Mask Detection Using Various CNN Models,"** 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), 2021, pp. 1-5, doi: 10.1109/ICAECA52838.2021.9675506.
- S. Kanagaraj, M. S. Hema and M. N. Guptha, **"Performance analysis of Classification methods for Parkinson's Disease with PPMI Dataset,"** 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), 2021, pp. 1-5, doi: 10.1109/ICAECA52838.2021.9675588.
- B. K. Mathew, C. Velmurugan and V. Vanitha, **"Estimating Most Influencing Parameter in TIG Welding of SS304 using Exploratory Data Analysis,"** 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), 2021, pp. 1-4, doi: 10.1109/ICAECA52838.2021.9675521.
- R. Kalaiselvi, K. Meena and V. Vanitha, **"Liver Disease Prediction Using Machine Learning Algorithms,"** 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), 2021, pp. 1-6, doi: 10.1109/ICAECA52838.2021.9675756.



- K. S. Mounika, S. Deyaradevi, K. Swetha and V. Vanitha, "**Music Genre Classification Using Deep Learning**," 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), 2021, pp. 1-7, doi: 10.1109/ICAECA52838.2021.9675685.
- M. N. Ahil, V. Vanitha and N. Rajathi, "**Apple and Grape Leaf Disease Classification using MLP and CNN**," 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), 2021, pp. 1-4, doi: 10.1109/ICAECA52838.2021.9675567.
- P. Parameswari, N. Rajathi and K. J. Harshanaa, "**LoRa Based Framework to Detect Whitefly Infestation in Coconut Trees**," 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), 2021, pp. 1-5, doi: 10.1109/ICAECA52838.2021.9675775.
- P. Parameswari, N. Rajathi and K. J. Harshanaa, "**Machine Learning Approaches for Crop Recommendation**," 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), 2021, pp. 1-5, doi: 10.1109/ICAECA52838.2021.9675480.
- B. Dhanapriya, S. Kavitha, K. R. Baskaran, "**Diverse Approach on Image Categorization Using Transfer Learning Methods**", Volume 10, Issue 1, International Journal for Research in Applied Science and Engineering Technology (IJRASET) Page No: 1209-1215, ISSN : 2321-9653, www.ijraset.com
- G. Prema Arokia Mary, M. S. Hema, R. Maheshprabhu and M. Nageswara Guptha, "**Sentimental Analysis of Twitter Data using Machine Learning Algorithms**," 2021 International Conference on Forensics, Analytics, Big Data, Security (FABS), 2021, pp. 1-5, doi: 10.1109/FABS52071.2021.9702681.
- S R, Naren Mr.; P C, Thirumal Dr.; and D, Sudharson Dr. (2022) "**An Optimized Machine Learning Framework For Extracting Suicide Factors Using K-Means++ Clustering**," International Journal of Computer Science and Informatics: Vol. 4: Iss. 3, Article 5. DOI: 10.47893/IJCSI.2022.1197
- Prema Arokia Mary, G & Suganthi, N 2022, '**Detection of Parkinson's Disease with Multiple Feature Extraction Models and Darknet CNN Classification**', Computer Systems Science and Engineering, vol.43, no.1, pp.333-345, (print ISSN: 0267-6192), doi:10.32604/csse.2022.021164



- Prema Arokia Mary, G, Suganthi, N & Hema MS 2021, '**Early Prediction of Parkinson's Disease from Brain MRI Images Using Convolutional Neural Network**', International Journal of Medical Imaging and Health Informatics, vol.11, no.12, pp.3103-3109(7), (E-ISSN: 2156-7026, print ISSN: 2156-7018), doi:10.1166/jmihi.2021.3897,

Consulting Details

Name of Faculty	Project Title	Duration	Funding Agency	Amount(Rs.)
Dr.M.Alamelu Ms.S.Sathyavathi Ms.G.Prema Arokia Mary	Age detection analysis	6 months	Vihana Dental Care, Kalapatti, Coimbatore	₹ 58,000
Bharatraj M (20BIT005)	Monaco energy boat challenge - 2022	6 months	Quench-Ador Power	₹ 6,00,000
Total				₹ 6,58,000

Book Chapter

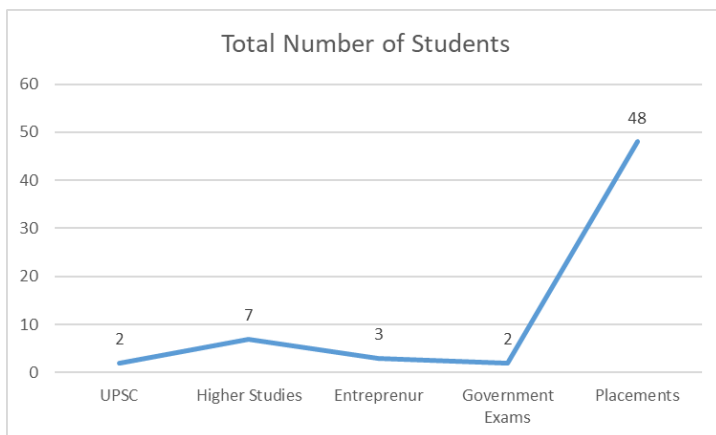
M. S. Hema, K. Meena, R. Maheshprabhu, M. Nageswara Guptha, G. Prema Arokia Mary, **Parkinson Disease Prediction and Drug Personalization Using Machine Learning Techniques**, Industrial Internet of Things,1st Edition, CRC, Press, Page 26, eBook ISBN9781003145004.

PLACEMENTS

YEAR : 4

BATCH : 2018-2022

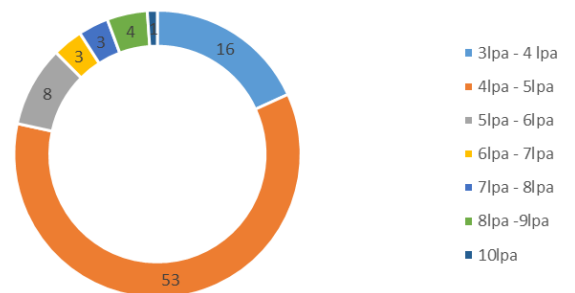
The graph indicates total number of students count in different categories.



The graph indicates total number of students placed based on packages.



Package wise total Offers



Highest Package - 10LPA
Lowest Package - 3.5 LPA

Number of Students registered for Placements



51

Number of Students got Placed



48



YEAR : 3

BATCH : 2019-2023

/thoughtworks



- Arul Murugavel B - 19BIT011 (11.1 LPA)
- Shalini R - 19BIT014 (11.1 LPA)
- Jayashakthi vishnu P - 19BIT026 (11.1 LPA)
- Madhan Mohan S - 19BIT039 (11.1 LPA)

- Akilan A - 19BIT036 (8.4 LPA)



- Swathy K - 19BIT008 (7 LPA)
- Shalini R - 19BIT014 (7 LPA)
- Dhivya Shree L S - 19BIT029 (7 LPA)
- Ranjith M - 19BIT030 (7 LPA)
- Rahul Karthik A U - 19BIT031 (7 LPA)
- Madhan Mohan S - 19BIT039 (7 LPA)
- Sneha M - 19BIT045 (7 LPA)
- Neethirajan J - 19BIT058 (7 LPA)

- Dhivya R - 19BIT017 (5.75 LPA)
- Varrsha L - 19BIT020 (5.75 LPA)
- Gowthaman A - 19BIT023 (5.75 LPA)
- Harini K R - 19BIT028 (5.75 LPA)
- Sai Saran K- 19BIT046 (5.75 LPA)
- Manimaran M - 19BIT047(5.75 LPA)
- Ajay Krishnan T - 19BIT201 (5.75 LPA)



- Bharath veerakumar S - 19BIT006 (5.6 LPA)
- Deksha H - 19BIT026 (5.6 LPA)

- Azhageshwaran S - 19BIT035(5.5 LPA)
- Dinesh S - 19BIT042 (5.5 LPA)
- Sai Saran K- 19BIT046 (5.5 LPA)
- Narmatha Sree S - 19BIT059 (5.5 LPA)



 TheMathCompany

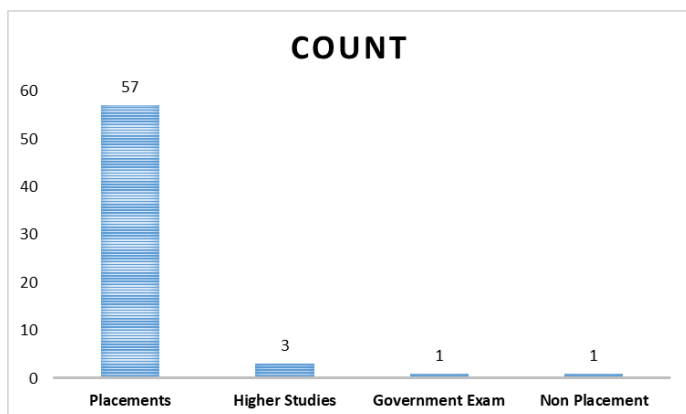
- Nandhini V - 19BIT020 (5.5 LPA)
- Karishma E - 19BIT040 (5.5 LPA)
- Shalini S - 19BIT049 (5.5 LPA)
- Charan U - 19BIT051 (5.5 LPA)



- Dharshini -19BIT054 (5.5 LPA)

 **BOSCH**

- Sriram S - 19BIT001 (5 LPA)
- Kamaleshwaran B - 19BIT010 (5 LPA)
- Kiran Shrinivaas S - 19BIT016 (5 LPA)
- Hani Rahim - 19BIT025 (5 LPA)
- Deksha H - 19BIT026 (5 LPA)
- Thebiksha G V - 19BIT041 (5 LPA)
- Vikram P - 19BIT055 (5 LPA)
- Asifa Y -19BIT056 (5 LPA)



The graph indicates total number of students count in different categories.

Number of Students registered for Placements



57

Number of Students got Placed so far



37

INTERNSHIPS

YEAR : 3rd

BATCH : 2019-2023

SNO	ROLL NUMBER	NAME	COMPANY	STIPEND(₹)
1	19BIT003	Mahesh Kumar P	Saama Technologies	20000
2	19BIT009	Sruthi K		
3	19BIT051	Lakshmikant K		
4	19BIT006	Bharath Veerakumar S	Zoho	15000
5	19BIT014	Shalini R		
6	19BIT027	Deksha H		
7	19BIT031	Rahul Karthik A U		
8	19BIT036	Akilan A		
9	19BIT039	Madhan Mohan S		
10	19BIT034	Aruna Devi A	Fiserv	30000
11	19BIT044	Tamilselvan P		
12	19BIT042	Dinesh S	Schnell	NIL
13	19BIT057	Santhosh M		



Congrats all !! we wish that this is going to be the beginning of many bigger achievements in everyone's life!

DEPARTMENT ASSOCIATION

Events

- **Code Heist**

This event was created with the goal of having a whole time while putting the participant's coding skills to test by making them think about what it was and that would be the main twist of this event. This event was a mini recreation of the famous series Money Heist with codes as the tasks. This would be a pen and paper round in which the team's basic coding skills will be tested. The qualified teams would be given team names based on the money heist theme in this round. The team's coding skills would be put to the test in a variety of ways, all of which would be enjoyable.



- **Code2Duo**

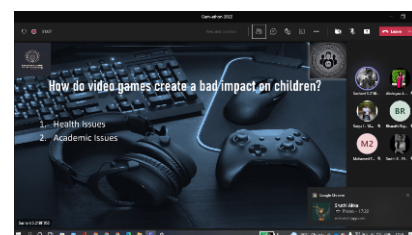
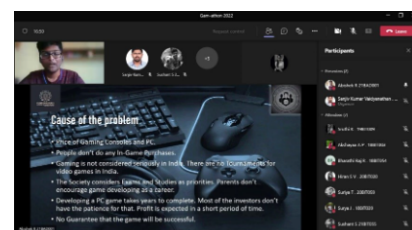
Code2Duo is a signature event by the IT department that draws the best and the brightest coding talent from all the participants. It tests your logical and programming skills via interesting rounds. They need to solve the challenges and they should add to their credibility. Initially, questions would be displayed on the projector with a timer being set. The teams which score the least would be terminated from the event. Questions would be based on computer industry, computer history, formal mathematical, programming and technical computer-related problems. In this round, participants were asked to build a code based on the question provided to the team. There would be exactly two hours to work on the solutions. They will be awarded points depending on your performance on the given problem. Finally, a set of questions would be given to the shortlisted team, where one person from the team has to go pin their answer on the given dartboard after solving it, the first team to answer correctly in the dartboard gets the points. Based on the correct number of answers given by the teams, the winners will be announced.





• Gamathon

Quiz and E-presentation event related to the Video games industry and Information Technology. The first round was a Quiz related to video games and technology related to the video game industry and the final round is an E-presentation, where participants present a topic, all related to the video games industry and social impacts on video games. The first round took place on 25th January 2022 on the Quizizz platform, and the final round took place on 26th January 2022 on MS Teams. The top 5 teams were qualified for the finals from the first round. Juries were invited for the final round and the points are awarded to the finalist based on the jury points. Participants from various departments enrolled for the event.



• Blockchain Technology

This workshop was intended to provide opportunities for educationalist, researchers, professionals and students to upgrade their knowledge in the area of Blockchain Technology. Mr. Ramaguru, Cyber Security Assistant Professor at Amrita vidyalaya vidyapeetham, was our guest speaker who was an expert in blockchain and cybersecurity field and he was gonna share his knowledge with us. Students from different college participated in this workshop and gained more knowledge in the field of blockchain.



• React Workshop

This workshop would help all the participants to learn and show how to develop and enhance web apps using the features of the React framework with interesting examples and exercises. Mr. Vignesh V, Full Stack Developer, HashSkill Academy, gave a detailed explanation about React and helped the students to develop web apps. Students from different colleges participated in this workshop and gained more knowledge.



ACM STUDENT CHAPTER

• Tech Feud

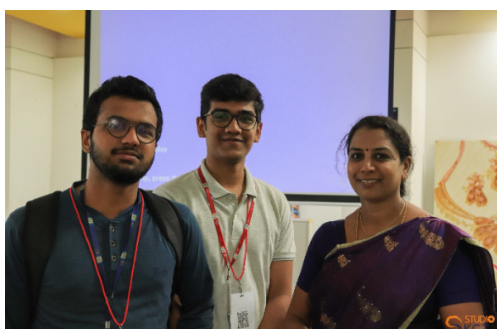
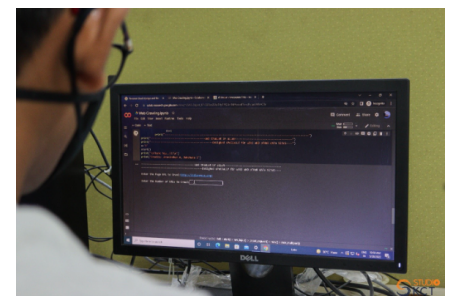
Tech feud, the ideology of the event was inspired by an American tv game show called family feud. In this session team's with 5 participants will compete each other and Contestants try to guess the most popular response to a survey questions and submit their answers by providing a quick response using Auction cards. Finally one team will conquer the game and take over the session. The game starts with one participant from each team. The contestant who gives his/her first response gets to provide the first answer. The team gets control according to the priority of the answer they provide, the respective team then provides more responses, one at a time. They are not permitted to consult with one another during this part of the game. If a given answer is not one of the most popular, the team gets a strike. If the team can guess all of the most popular answers on the board before getting three strikes, they win the round. Else the other team gets a chance to fill the missing responses on the board and win the game.





• Data Fuse

Data fuse was an event of creating custom visualization graphics where the participants can enjoy the process of extracting and conceptualizing data from a popular website. It was a team event where each team consists of 2 members. The teams were asked to pick up a paper containing a website link from a bowl. The teams were asked to fill the forms which contains question details and then they have to extract details from the given website. They can use any tools/technology to create the dashboard. Teams should design the dashboard and upload the extracted data, completed dashboard in GitHub link. 2 hours was provided for extracting and creating the dashboard. After the task completion, teams uploaded the GitHub link and dashboard in the given submission forms which was closed by 12:30 PM. Changes in the GitHub link or any plagiarism would lead to direct disqualification of the team. Top 4 teams were selected for final round based on their ideas, tools used, elements gathered and presentation. In the final round, each team was provided with 3 minutes for presentation and 2 minutes for FAQ. Marks were allotted based on idea, tools and technology used, number of elements gathered/represented, communication skill and presentation. Based on the presentation given by the teams, the judges announced the winner and runner of this event. Winner was provided with cash prize of Rs. 4000 and runner was provided with cash prize of Rs.2000.



ALUMNI BENEFACTION



Ms. Smruthi Vijayaraghavan
Business Analyst, Renault Nissan,
Bangalore.
Event Name- "Excalibur Proact"



Mr. Varun Raghu
Software Developer, MPL,
Bangalore.
Event Name- "Excalibur Proact"



Mr. Karthikeshwar
Sales Analyst Intern at Siemens,
Event Name- "Excalibur Proact"



Ms. Janani Sri
Technical Staff, Zoho, Chennai.
Event Name- "Excalibur Proact"



Ms. Amrithaa
Software Engineer, Schulumberger
Event Name- "Excalibur Proact"

STUDENT CORNER

SIH Internal Hackathon

- 21MDS005 - Kaushika S
- 21MDS016 - Swetha. R
- 20BIT206 - VISHNU GOWTHAM K
- 20BIT045 - SAAVIGNESH S
- 20BIT030 - Kushar Dogra



Team Evoke

- 21MDS005 - Kaushika S
- 21MDS016 - Swetha R



Art By
Rubha Shree S
20BIT044

ICAIC Paper Conference

- 18BIT029 - Priyanka
- 18BIT017 - Guruvishnu M
- 18BIT031 - Punitha P
- 18BIT016 - Keerthana L
- 20BIT045 - Saaivignesh

Musical Events

- 20BIT038 - Pragadesh S J V

Kurukshetra'22

- 20BIT061 - Vidul S A

Dhuruva 22

- 20BIT036 - Nihaarika P

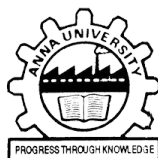


NEW FACULTY



Mr Vivek Anand M (Assistant Professor II)

He is working as an **Assistant Professor** in the **Department of Information Technology**, Kumaraguru College of Technology, Coimbatore. He has a **total experience of 8 years** in teaching. Currently, he is **pursuing Ph.D. in the Dept. of Computer Science and Engineering** at Galgotias University, Delhi NCR. He completed his Master of Engineering in Software Engineering at Anna University Trichy. He completed his B.E in Computer Science and Engineering at RVS College of Engineering and Technology, Coimbatore. He is doing **research in the field of blockchain**. He published **3 journals and 1 National conference, 1 Indian patent, and 5 book chapters**. He is a Cisco certified Trainer to train 34 various courses through the cisco Netacad portal.



CONTACT



Dr. M Alamelu,
Head of Department,
Department of Information Technology,
Kumaraguru College of Technology,
Coimbatore – 641 049,
Mail id: hod.it@kct.ac.in



"OUR HEARTFELT THANKS FOR THE HELPING HANDS TO MAKE THIS NEWSLETTER A SIDESPLITTER"