EVEN SEM | 2020-2021

COOKIE
official newsletter

DEPARTMENT OF INFORMATION TECHNOLOGY, KCT

CATALOGUES

- **Events Organized**
- **Research Activities**
- **Placements and Internships**
- **Department Association**
- **Alumni Benefaction**
- **Faculties Entagalment**
- **Students Corner**

"It's not that we use technology,we live technology"
-GodfreyReggio

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.

MISSION

VISION

VALUES

"Technology is a useful servant but a dangerous master"-Christian Lous Lange, Historian

# Events Organized

## 1.Department Advisory Board Meeting

The Department Advisory Board Meeting was conducted on 29th May 2021. Dr.M.Alamelu, HoD of the Department of Information Technology welcomed all the members and presented the department vision, mission, POs, PSOs, PEOs and UG and PG curriculum. The following expert members attended the meet and shared their suggestions.

- Dr. P. Ganesh Kumar- Assistant Professor, Department of Information Technology.
- Mr. R. Ravikumar- Scientist 'E' & DIO, District Informatics Centre, National Informatics Centre, Coimbatore.
- Dr. Chitra Babu- Member of Education Committee, ACM India Council.
- Dr.P.Devaki- Professor & HOD/CSE, KCT.

2.Board of Studies Meeting

The Board of Studies Meeting was conducted on 5th June 2021. Dr.M.Alamelu, HoD of the Department of Information Technology welcomed all the members and presented the department vision, mission, POs, PSOs, PEOs and UG and PG curriculum. The expert members attended the meeting and shared their suggestions.

- Dr. N.K.Karthikeyan, Professor & HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore.
- Dr.P. Bhagavathi Sivakumar, Associate Professor Vice Chairperson – Computer Science School of Engineering, Amrita University, Coimbatore.
- Mr. Prakash Subramaniam,Principal Consultant, Thought Works, Coimbatore
- Mr. K. Dhandapani, Senior Associate,Robert Bosch, Coimbatore
- Mr. S.Sasi Kesavan, Software Development Engineer, Amazon,USA
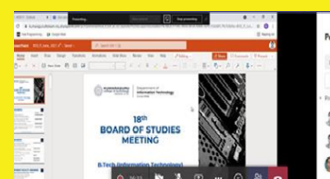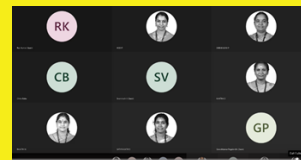
3.Technical Webinar

A Technical Webinar was arranged by The Institution of Engineers (India), Coimbatore Local Centre in association with Department of Information Technology, Kumaraguru College of Technology, Coimbatore on 26th June 2021 (Saturday) through Google meet. The focus of this Technical webinar is to expose the educators, researchers, industrialists, and student members about the importance of Full Stack Developer.Dr P R Natarajan, Chairman, IE (I), Coimbatore Local Centre and Council member, IE (I), Kolkata welcomed the chief guest and participants. Dr. M. Alamelu, Head of the Department, Department of Information Technology, Kumaraguru College of Technology, Coimbatore felicitated the meeting, Mr S. Kanagaraj, Assistant Professor, Department of IT, Kumaraguru College of Technology, Coimbatore introduced the Chief Guest. The Chief Guest Mr Pugazharasan Chandrasekar, Full Stack Mentor and Placement Lead GUVI Geek Network Private Limited, Chennai imparted the importance of IT Opportunities for a Full Stack Developer. The speech was highly motivating and inspirational. The lecture meeting came to an end with vote of thanks by Dr H Rammohan, Honorary Secretary, IE (I), Coimbatore Local Centre.
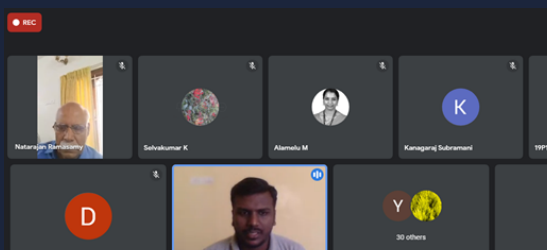
"It's not a faith in technology. It's faith in people"- Steve Jobs

4.UX/UI Design

The Department of Information Technology organized a 2 days workshop on UX/UI design for the students. Around 65 students attended the workshop. The workshop focused on Adobe XP tool and its usage in creating user interface. The resource person was Mr. Sathish Kumar, Founder and CEO, Orita Sinclair School of Design and Music, Coimbatore. The participants were given several tips on creating good user interfaces and a few samples were shared with them. The participants were given a task and they were asked to present it at the end of the session. The participants interacted with the resource person on their task and got the inputs.

5.Problem Solving and Data Structures

The webinar was arranged by the department of Information Technology on 25.3.2021 at 2.30pm via MS Teams. Mr.Madhu Venkatesh Software Engnineer, Amazon was the resource person. 42 students participated in the webinar. The focus point of the webinar was the significance of problem solving and data structures. Webinar also covered the topics like Key problems in each data structure, difference between good and bad problem solver, and how to prepare for the FAANG companies.
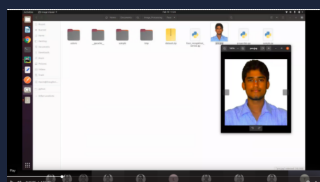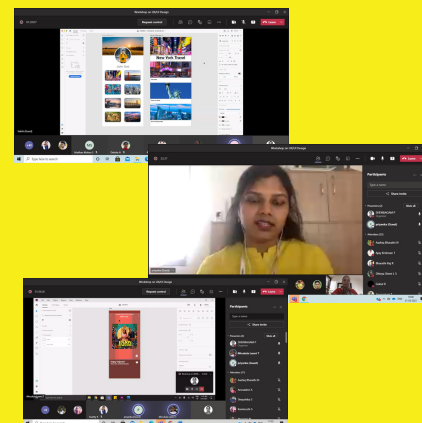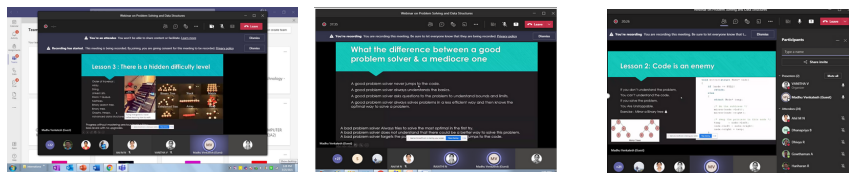
6.Fundamentals of Deep Learning

The five days fundamentals of deep learning using computer vision discussed about the basics of the deep learning and its applications. Two days covered the hands on session of deep learning. Welcome address was given by Dr.M.Alamelu/IT, followed by the adress about the deep learning and its applications by Dr.K.Maheswari/Maths /SFS.Presidential. The Resource persons were Mr.Purushothaman ,Assistant Professor-IT incharge – Artificial Intelligence Lab, BIT and Mr.AH.Mohammed,Thasin Thoughtclean Technologies Pvt Ltd, Bangalore .

7.Adobe Graphics Design

The Adobe Graphics Design program was discussed about the graphics to use the various tools in it. This course offered to the Supporting Faculty Members of KCT to improve their skills and also to develop their creativity.
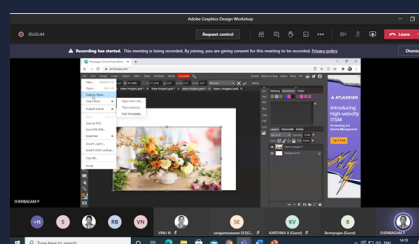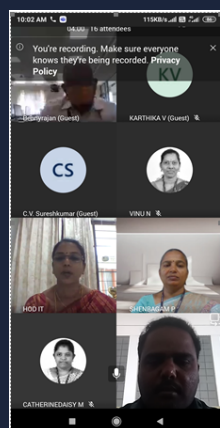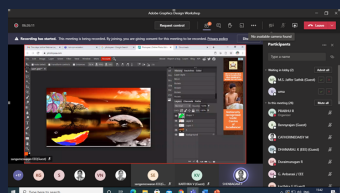
"It's not a faith in technology. It's faith in people"- Steve Jobs

Research Activities

Dr.N.Rajathi, Professor/IT reviewed the paper titled, "Heavy metal concentrations in irrigation water, soil and vegetables in urban agricultural areas of Ethiopia- A review", in scopus indexed international journal "Agriculture and Food Safety"

P.Shenbagam,K.S.Maheswaran,Sudharshana Praanesh S,S.V.Narayanan published book chapter titled, Reduction of Food Wastage in Restaurants using Naïve Bayes Algorithm in State Level Symposium on Predictor and Recommender Systems using AI and ML with ISBN 978-81-951626-7-3 published during May 2021, pp. 144 - 147

V.Vanitha, N.Rajathi published book chapter titled, Detection Of Botnet Attacks In Internet Of Things in State Level Symposium on Predictor and Recommender Systems using AI and ML with ISBN 978-81-951626-7-3 published during May 2021, pp. 49-55

N.Rajathi, V.Vanitha, P.Parameshwari published book chapter titled, Energy Efficient Chain Routing Protocol for Aggregate Query Processing in Wireless Sensor Networks in State Level Symposium on Predictor and Recommender Systems using AI and ML with ISBN 978-81-951626-7-3 published during May 2021, pp. 189-196

P.Shenbagam, T. Harini, N.Rajkumar published book chapter titled, Random forest method to predict the forest change in Colorado Forests in State Level Symposium on Predictor and Recommender Systems using AI and ML with ISBN 978-81-951626-7-3 published during May 2021, pp. 215-228

G.Prema Arokia Mary, Monisha M, Ragapriyaa C, Vignesh N published book chapter titled, Tremor Diagnosis Using Machine Learning Algorithms in State Level Symposium on Predictor and Recommender Systems using AI and ML with ISBN 978-81-951626-7-3 published during May 2021, pp. 171-176

PUBLICATION DETAILS OF MAY 2021
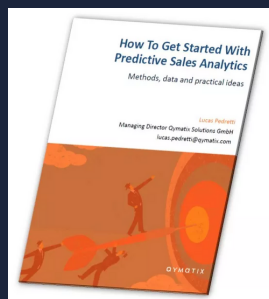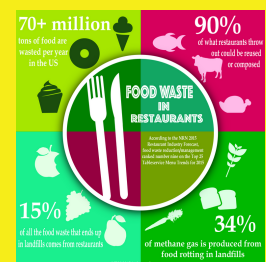
G.Prema Arokia Mary, Santhosh MG, Sowndarya K, Amrithaa D published book chapter titled, Weapon Detection Using Neural Networks In Surveillance in State Level Symposium on Predictor and Recommender Systems using AI and ML with ISBN 978-81-951626-7-3 published during May 2021, pp. 237-241

S.Sathyavathi, Sandhiya G, Kaushika S, Sujithra R published book chapter titled, Movie Recommendation System Using Machine Learning in State Level Symposium on Predictor and Recommender Systems using AI and ML with ISBN 978-81-951626-7-3 published during May 2021, pp. 211-214

S.Kavitha, Naveen Kumar R, Jegan J, Yogesh published book chapter titled, Sales Prediction Analysis in State Level Symposium on Predictor and Recommender Systems using AI and ML with ISBN 978-81-951626-7-3 published during May 2021, pp. 229-231

Dr.N.Rajathi, Professor/IT has received the International Academic Excellence Award 2020-21 by International Institute of Organized Research

Dr.N.Rajathi, Professor/IT reviewed the paper titled, "A Review: An Internet of Things based Non-Conventional Health Monitors", in scopus indexed international journal "Advances in Science, Technology and Engineering Systems Journal."

Dr.N.Rajathi, Professor/IT acted as the Chair person and evaluator for Toycathon 2021 [Mentoring and Evaluation] ,Ministry of Education's Innovation Cell and AICTE held on 22.6.2021 and 23.6.2021

"I do not fear computers. I fear lack of them"— Isaac Asimov

⭐ Rajathi N , Practical Implementation and Analysis of TLS Client Certificate Authentication. In Proceedings of International Conference on Intelligent Computing, Information and Control Systems. Advances in Intelligent Systems and Computing, vol 1272. Springer

⭐ Sathyavathi.S,Movie Recommendation System using Machine Learning Algorithms.International Research Journal of Engineering and Technology,Volume 8,Issue-3

⭐ Saroja MN, Recent Trends in Healthcare about blood donors and patients by using artificial intelligence and IoT / International Journal of Advanced Research in Engineering and Technology / Vol.12 / Issue 3/481-486/ DOI: 10.34218/IJARET.12.3.2021.045

⭐ Kavitha S ,Naveen Kumar R, Jegan J, Yogesh V, "Sales Prediction Analysis",International Research Journal of Engineering and Technology, Volume 8,Issue-3
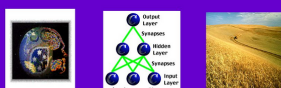
⭐ S. Kanagaraj, K. Vaishaali, N. Aadish, S. Sudhira, Classification of Diabetic Retinopathy Phase using Convolutional Neural Network, International Research Journal of Engineering and Technology (IRJET), Volume: 08 Issue: 05

⭐ Sandhiya G, Kaushika S, Sujithra R, Sathyavathi S,"Movie Recommendation Systems Using Machine Learning Algorithms", International Research Journal of Engineering and Technology,Volume 8,Issue-3

PUBLICATION DETAILS OF JAN-JUNE 2021

Applications of Neural Networks
in Biology and Agriculture
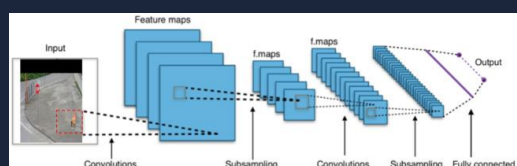
Jianming Yu
Department of Agronomy and Plant Genetics

⭐ P.Parameswari, N.Rajathi, M.Vijayakumar,"Artificial Neural Networks in Agriculture: A Survey", INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN COMPUTER AND COMMUNICATION ENGINEERING, ISSN (Online) 2278-1021.

⭐ G Prema Arokia Mary,Amrithaa D, Santhosh MG, Sowndarya K, Weapon Detection in Video Survillance using Convolutional Neural Network, International Research Journal of Engineering and Technology,Volume 8,Issue-4

⭐ G Prema Arokia Mary, N.Suganthi, Monisha M, Ragapriyaa C, Vignesh N, Wrist Sensor Based Tremor Diagnosis In Parkinson's Disease Using Machine Learning Algorithm, Strad Research, Volume 8, Issue 5,2021, https://doi.org/10.37896/sr8.5/014

⭐ G Prema Arokia Mary, N.Suganthi, M S Hema, A critical Review on Parkinson's Disease Due to Pesticide Exposure, Strad Research, Volume 8, Issue 5,2021, https://doi.org/10.37896/sr8.5/060

Diagnosing Parkinson's disease:
Physical examination

Resting tremor | Slowness of movement | Stiffness | Posture and balance

"I do not fear computers. I fear lack of them"— Isaac Asimov

Placements and Internships

NAME & ROLL NUMBER	COMPANY	PACKAGE(LPA)
AISHWARYA - 17BIT015 DEYARADEVI S - 17BIT026 DHANUSH ADHITHYAN- 17BIT042 KAWIN J.S - 17BIT044	Triemp	2.64
JEGAN J - 17BIT016	Kaladi	4.5
RAKSHITHA M - 17BIT021 SANTHOSH M G - 17BIT043	Infosys	3.36
Yeswanth R - 17BIT025 MONISHA M - 17BIT036 NAVEENA M - 17BIT040	Musigma	21
APOORVAA S - 17BIT027	Ageas federal	3.49
POOVARASAN P - 17BIT034	Aximsoft	3
MONIKA SRI M - 17BIT041 PRASANTH G - 17BIT065	Zinnov consulting	2.01
NAVEEN S - 17BIT045	Zoho	3.36
SHREE RAM S G - 17BIT046	Craftsman Automation	4.39
MAHESHWARAN K.S - 17BIT054	Nallas software	3.5
SWETHA K - 17BIT059	Expleo	1.5
JAYAPRATHA V - 17BIT064	Accenture	4.5
YOGESH V - 17BIT066	Zetran	3
SAPARNA S - 19MDS004	Cognizant	4
Harini T - 19MDS006	BYJUS	4

NAME & ROLL NUMBER	COMPANY NAME	INTERN STIPEND(Rest)
Maheswaran – 17BIT054	Blissy.ai	-
Meghavarsinie – 18BIT010	Spoonbill Solutions	-
Akshaya Nagalakshmi – 18BIT006	iMorph	-
Gowtham T – 18BIT056	L & T values	-
Ahil – 19MDS002	Bridged.CO	12000
Hariharan – 19MDS005 Malavika G – 19MSD001	Shiash Info Solutions Private Limited	-
Namitha – 19MDS003	RndSoft	-
Sruthi K – 19BIT009 Varrsha L – 19BIT020 Deksha H – 19BIT027 Shalini R – 19BIT014 Swathy K – 19BIT008 Divyasrija K M – 18BIT040 Arunkumar K – 18BIT008 K.Priyadharsini – 18BIT009 Akash S – 18BIT027 Surya J – 18BIT039	InfraStack-Labs	-

"What new technology does is create new opportunities to do a job that customers want done" – Tim O'Reilly

Department Association

- **DA EVENTS**

1.C'RIDDLE

This event was conducted exclusively for first years. Questions were based on C programming. Event had two levels. The first was to solve a crossword Puzzle and the next was to fill the missing. The point of first level was to fill the answers in the grid which was given via google forms. Words were placed either horizontally or vertically. In level two participants were asked to give the output of the code wherein the question was given partially. The code and the output was taken for the result consideration.

2.RAPPID RIDDLES

The Department Association of Information Technology conducted an event Rapid Riddles on 11th and 12th June 2021. The event's round 1 commenced at 6.00 PM via gforms. The questions were of MCQ type.The 2nd round started by 6.00 PM via forms the following day. The questions were of puzzles and codes.The main purpose of the event was to enhance and improve the aptitude solving skills. Totally 30 students participated in the event.
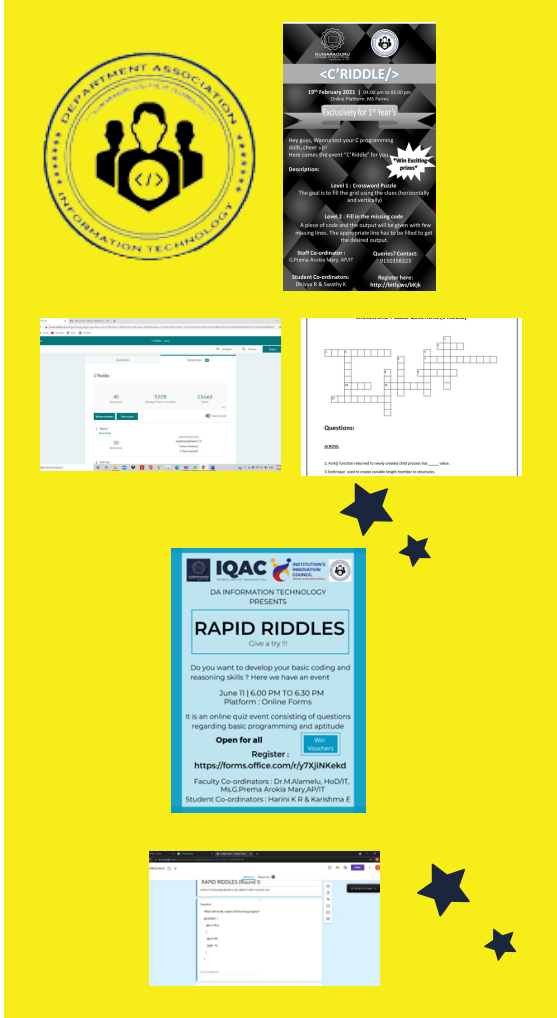
3.EXCALIBUR

This event was conducted in 5 sessions.First and Second Session was handled by Mr.Prabhakar on "How to kickstart your interview preparation?" and "Exploring Data Structures", nearly 127 participants participated in this session. Third Session was handled by Mr.Varun on the topic "Even algorithms face complexities" and nearly 65 participants participated in the session. Fourth Session was presented by Ms.Shilpa Ravikumar on the topic "Let's do some math!" and nearly 50 participants participated in the session. And the last and final session was presented by Mr.Parthasarathy on the topic "Unlock the elements of array" and nearly 40 participants participated in this session.
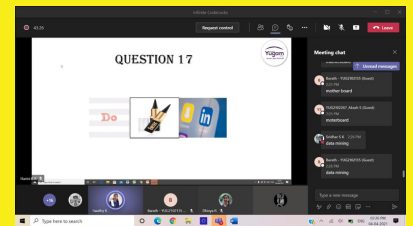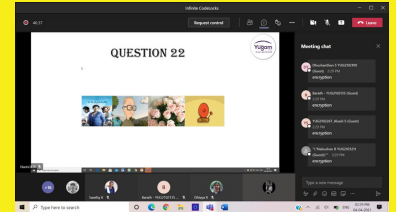
1.INFINITE CODELOCKS

To build up the coding skills of the students, the event INFINITE CODELOCKS was conducted with 3 rounds - Debugging, Connections and Code2duo.The event "INFINITE CODELOCKS" is a technical event, based on coding through MS Teams. It was two days event of 3 rounds. The event was on 03.04.2021 at 11.30 AM with a welcome note and a set instructions for the 1st round the Debugging. Then the 1st round began at 11.45 and it was over by 2.00 PM. The questions were circulated through google forms and the participants were asked to debug the code and sumit it, along with the output in the forms. After first round the first 11 teams with accurate code and output with minimum time was selected for the next round. The second round - Connections was on 04.04.2021. This round started at 2.00 PM by welcoming the participants and the instructions was explained to them. In this round, we had a set of connection questions one-by-one. The participants were asked to find a technical word by connecting the images we displayed. Top 2 teams were selected to the final round on the basis of who answered more number of questions in less time. The 3rd round – Code2duo commenced by 2.30 PM. The 2 teams were provided with 3 questions, through google forms and they were asked to solve the given problem statement and upload the code. Finally the event was over by 4.00 PM with a vote of thanks and congratulating the runner and winner.

C<>DE   **</>**

2.BLOCKCHAIN TECHNOLOGY

A webinar on "Blockchain Technology" was conducted during yugam 2021.This was a three days workshop and students from different colleges took part in this workshop, to gain basic knowledge of blockchain and its applications such as bitcoin and much more. Also, to explore a career in blockchain and to understand how to create a carrer in blockchain. Blockchain is a system of recording information in a way that makes it difficult or impossible to change, hack, or cheat the system. A blockchain is essentially a digital ledger of transactions that is duplicated and distributed across the entire network of computer systems on the blockchain.
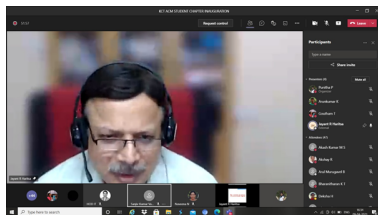
BLOCKCHAIN

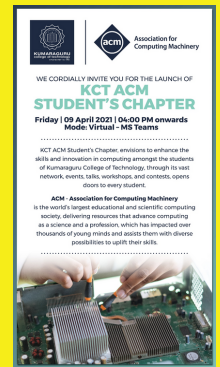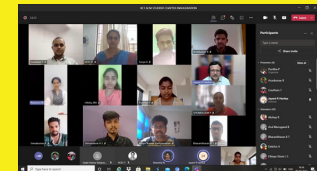*"Technology is best when it brings people together"-Matt Mullenweg*

- ## ACM

1.INAUGURATION

ACM-Association for Computing Machinery, is the world's largest educational and scientific computing society, brings together computing educators, researchers and professionals to inspire dialogue, share resources and address the field's challenges. KCT ACM STUDENT CHAPTER, was started to combine young minds together and strive towards the goal in Technical as well as non-Technical. Nearly 91 students participated in this inauguration with 5 faculty members. Dr. Alamelu, HoD IT & Faculty Coordinator KCT ACM STUDENT CHAPTER delivered the welcome address. Dr. Jayant Haritsa, President ACM India Council, delivered the chief guest address and gave a brief introduction about the ACM and its benefits. The office bearer's introduction and projects undertaken were explained by ACM members. The Inauguration mainly focused on the launch the KCT ACM Student Chapter in KCT and make the students aware of the club and the benefits of being part of the club.

2.CODER OF THE WEEK

A coding event for enthusiastic coding freaks to bring the interest of coding among the students. This coding event was conducted on HackerRank platform and has 2 round. Each round consists of 3 questions. Those who tops the leaderboard will be shortlisted to the round – 2 (final round) of coder of the week. Top 2 performer will get prizes.

3.Introduction to HTML and CSS

Dr.N.Rajathi is a dynamic teaching professional who was good in exploring new dimensions of teaching. She taught courses such as Machine Learning, Web Technologies etc. Her research areas were Agriculture decision support systems, Healthcare Data Analytics and related domains. She was constantly learning new technologies by completing certification courses and attending FDPs organized by renowned institutes and industries. This session was about "Introduction to HTML and CSS" ,here she shared many things about stylings,new tags etc. It was very useful to develop a web pages creatively.More than 30 students were participated in this webinar and got a clear idea to design a page and also to learn more about it.

"It's still magic even if you know how it's done" - Terry Pratchetttle

Alumni Benefaction

Ms. Shilpa, (2014-2018 batch)
Software Developer,
Royal Bank, Canada.
Event Name-"Discussion on Cybersecurity"

Mr. Prince Jayaselan (2015-2019 batch)
Senior Software Engineer,
Value Labs, Hyderabad.
Event Name-"Discussion on Cybersecurity"

Mr. Varun B R (2016-2020 batch)
Full-stack Developer,
Ideaboard Technologies, Chennai.
Event Name- "Discussion on Cybersecurity"

Ms. Mega, (2013-2017 batch)
Pursed M.S Cybersecurity in Fanshawe College, Canada
Event Name-"Discussion on Cybersecurity"

Mr. Jagan S(2017-2021),
Google Summer of code @Zulip
Event Name-"Excalibur"

Mr. Akhilesh, (2013-2017 batch)
Network Administrator,
Gofrugal, Chennai.
Event Name-"Discussion on Cybersecurity"

"The only impossible journey is the one you never begin." -Tony Robbins

Mr. Krishnan B(2016- 2020),
Software Engineer, Athenahealth,
Event Name-"Excalibur"

Mr. Arun Prasath R(2016-2020),
Java Developer,Torry Harris,
Event Name-"Excalibur"

Mr. Farithul Inzamam(2014-2018),
Member Technical Staff, Zoho Corporation, Chennai,
Event Name-"Excalibur"

Faculties Entagalment

- Dr.M.Alamelu has attended the ATAL FDP on IoT in 5G Technology during 24th may 2021 to 28th may 2021.

- Mr.S.Kanagaraj, AP-II/IT has attended an ONLINE CERTIFICATE PROGRAMME On ADVANCED RESEARCH METHODOLOGY (eARM) during 14.6.2021 to 30.6.2021.

- Ms.S.Sathyavathi, AP(SRG) has attended a workshop titled Covid-19 Data Analysis and Forecasting during 12.6.2021 to 13.6.2021.

"Whether you think you can or you think you can't, you're right" -Henry Ford

Students Corner

VERSE......

அம்மா

அன்பின் ஈரத்தில் நான் கரைய
உந்தன் மடியில் நான் சாய
அதில் தரும் சந்தோஷம்
இவ்வுலகில் நான் காணவில்லை
அம்மா என்னும் சொல்லின் மந்திரம்
அது செய்யும் பல அற்புதம்
தான் என்பதை தவிர்த்து
நீங்கள் என்பதை நினைத்தாயே அம்மா
உன்னை சேவிக்க இந்த ஜென்மம் போதாதின்றி
இன்னும் ஏழேழு ஜென்மம் தேவையே அம்மா
உந்தன் சிரிப்பை காண நான் காலங்கள் இருக்க
அதனை கண்டு மகிழ்ந்த தருணம் இன்னும் கண்ணினுள்
என்னை பார்த்த நேரம் போதும்
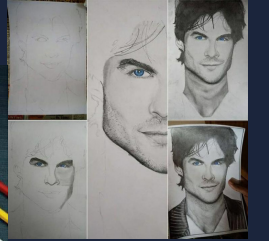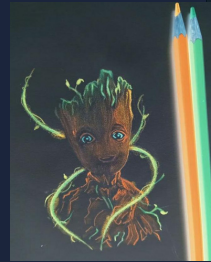இனி நான் உன்னை பார்த்துக்கொள்கிறேன் அம்மா
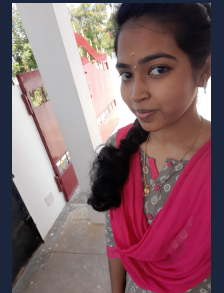
-சித்தார்த்

BY
SIDDHARTH L
20BIT054

SKETCH.....

By
Hari prasanth.M
17BIT053

By
RUBHA SHREE S
20BIT044

"The computer was born to solve problems that did not exist before" — Bill Gates

CONTACT

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Department of Information Technology,
Kumaraguru College of Technology,
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