KCG College of Technology
Karapakkam, Chennai-600 097

DEPARTMENT OF INFORMATION TECHNOLOGY

STUDENT ACHIEVEMENTS: HACKATHONS & TECHNICAL EVENTS

Prepared by: Ms Anju.A

STUDENTS ACHIEVEMENTS

ACADEMIC YEAR: 2019-2020

AWARDS WON BY STUDENTS

S. No.	Name of the Student	Batch	Sem:	Type of the Event	Title of the Event	Date-Month-Year	Venue/ Organization with details	Prize/ Participation details
1	Aishwarya S, Shruthi V Seethalakshmi	2018-22	IV	Hackathon	KCG Women Codeathon 2.0	6.3.20	KCG College of Technology	**3rd Prize**
2	Mageshwari R , Srikiruthiga G	2017-21	IV	Hackathon	KCG Women Codeathon 2.0	6.3.20	KCG College of Technology	**4th Place**
3	Mahalakshmi B, Ellora Jeya Suji J, Rajeswary M	2018-22	IV	Hackathon	KCG Women Codeathon 2.0	6.3.20	KCG College of Technology	**5th Place**
4	Rajkumaran V, Sayee Darshan J K, Vignesh M, Vivek S	2017-21	VI	Intradepartmental Mini Project Challenge'20	Mini Project Challenge'20	28.2.20	KCG College of Technology	**1st Place**

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5	Fazlul Kareem S, Hari Krishnan S, Mohana Krishna Kumar A	2017-21	VI	Intradepartmental Mini Project Challenge'20	Mini Project Challenge'20	28.2.20	KCG College of Technology	**2nd Place**
6	Abilash C S, Balaji V, Arunachalam P L	2017-21	VI	Intradepartmental Mini Project Challenge'20	Mini Project Challenge'20	28.2.20	KCG College of Technology	**3rd Place**
7	Mr. Muzammil Zait A, Antony Raj A, Rohit S, Logith kumar B	2018-22	IV	Hackathon	Infosys Hackathon2020	8.1.2020	Infosys, Mahendracity, Chennai	**4th Place**
8	Rohit S	2018-22	IV	Technical Talk	Facebook Developer Meetup	11th Jan 2020	VIT Chennai	**Technical Talk**
9	Ellora Jeya Suji J, Mahalakshmi B, Staffin S	2018-22	IV	Smart India Hackathon-Hardware Edition 2019	Smart India Hackathon-Hardware Edition 2019- Internal	20th Jan 2020	KCG College of Technology	**Shortlisted for SIH Grand Finale**

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10	Fazlul Kareem S, Harikrishnan S, Suwathi T, Mohammed Arshad R, Ramesh.S, Vigenesh.B	2017-21	VI	Smart India Hackathon-Hardware Edition 2019	Smart India Hackathon-Hardware Edition 2019- Internal	20-01-2020	KCG College of Technology	**Shortlisted for SIH Grand Finale**
11	Rajkumaran R	2017-21	V	Smart India Hackathon-Hardware Edition 2019	Smart India Hackathon-Hardware Edition 2019	7-07-19	Indore	**Shortlisted and participated in Final round**
12	Muzammil Zait A, Antony Raj A, Jahnavi K	2018-22	III	TCS Codevita	Coding contest	22.7.19	KCG College of Technology	**Shortlisted for next round**
13	Praveen Prabu R	2016-20	VII	InfyTQ Online Test	InfyTQ Online Test	26.7.19	Chennai	**Cleared and Selected as System Engineer in Infosys, Chennai**

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14									**Cleared TCS CodeVita first round and has been selected for HR Interview.**
	Ganesh A	2016-20	VII	TCS Codevita	TCS Codevita	30.7.19		Chennai	
15	Logithkumar B, Staffin S	2018-22	III	Quiz Contest	Independence Day-Quiz	13.8.19		Quiz Club, KCG	**3rd Prize**
16	Saarika A, Rohini S	2016-20	VII	Code N Chaos-Coding Contest	KCG Women's Coding Club Contest	28.9.19		KCG College of Technology	**2nd Prize**
17	Muthukani. R Arunthathi.N	2018-22	V	Code N Chaos-Coding Contest	KCG Women's Coding Club Contest	28.9.19		KCG College of Technology	**5th Prize**

18	Muzammil Sait A	2018-22	III	Programming in JAVA	NPTEL online Course	16.10.19	Chennai	**Successfully Completed under Elite Category**
19	Divyakarthiga, Leandra Mithra	2016-20	VII	Code N Chaos-Coding Contest	KCG Women's Coding Club Contest	28.9.19	KCG College of Technology	**4th Prize**
20	Anuabarna, Rajeshwray R	2016-20	III	Treasure Hunt	The Constellation	21.9.19	St. Joseph's Institute of Technology	**3rd Prize**

ACADEMIC YEAR 2019-20

#WOMEN CODEATHON 2.O

KCG Women's Coding Club had organized a Mini Hackathon- #Women Codethon 2.O for girl students on 6.3.20 (Friday). The event started with a formal inauguration. The contest started at 10.00 A.M., the girl students from most of the department registered and participated in the event. Around 75 students (32 Teams) had participated. In Fore noon session, students were asked to solve 5 problems and in afternoon session they were asked to design a responsive Website with different themes. Dr. G Prabakaran, Principal and Dr. Anita Manual, Dean Student Affairs came forward for the event and motivate the students.

Ms Akalya Natarajan, SAP Technical Consultant, KAAR Technologies and Ms Pramila V, IT Analyst, TCS were the Panel members of the contest. The valedictory function started at 3.30 P.M. The judges shared the industry expectation and discussed different technologies that have been used widely. They also appreciated the management for conducting such events in the campus for the benefit of students and also congratulate the all the students for their participation. Finally judges announced the result. First prize was bagged by Bishruthi Gope and Pavithra N of 3rd Year CSE. The second prize was received by Pavithra S, Rammya S of second year CSE. Third was bagged by Aishwarya S and Shruthi V Seethalakshmi of second Year IT. In order to motivate the students, the club has given a special appreciation. The fourth prize was received by Mageshwari R and Srikiruthiga G of third year IT. The fifth prize was taken by Mahalakshmi B and Ellora Jeya Suji j and Rajeswary M of second year IT.

Dr. P Deiva Sundari, Associate Dean felicitated the Panel members with mementoes and appreciated all the winners and participants. The vote of thanks was given by Ms Anju A, KCG Women's Club Coordinator.

INFOSYS HACKATHON

The Hackathon was being conducted by Infosys on 8th January 2020 at Infosys, Mahindra City, Chennai. Around 145 students had participated in the event. A team comprising of 4 members, Muzammil Zait A, Antony Raj, Rohit A, Logithkumar B of 2nd year IT department represented KCG College of Technology. There were about six different problem statements of Machine learning, Deep learning and Artificial Intelligence. The team has chosen Face-recognition with Emotion predictor and some added extensions to stand out of the crowd.

The first evaluation happened at around 10:30 A.M.(First Checkpoint) by the Master Hacks who had predominant knowledge in every domain of the topic, they asked the team a few questions on the topic and tested the knowledge on the domain of technical aspects and asked them to redefine their ideas through the industry needs. At around 2:30 P.M. they had shown the Master hacks as per the industry needs and their suggestions, they finalized the coding factors optimized it and produced a working extension on gender prediction with age.

Third level of evaluation happened at 3.30 P.M., Master hack evaluated their product and asked to prepare the final PowerPoint presentation. 5 teams were called around 8:10 P.M. for the final round. Around 8:20 P.M. they started the presentation and showed product to panel members. Finally the team stood up with 4th place among all the top 40 colleges who attended the hackathon.
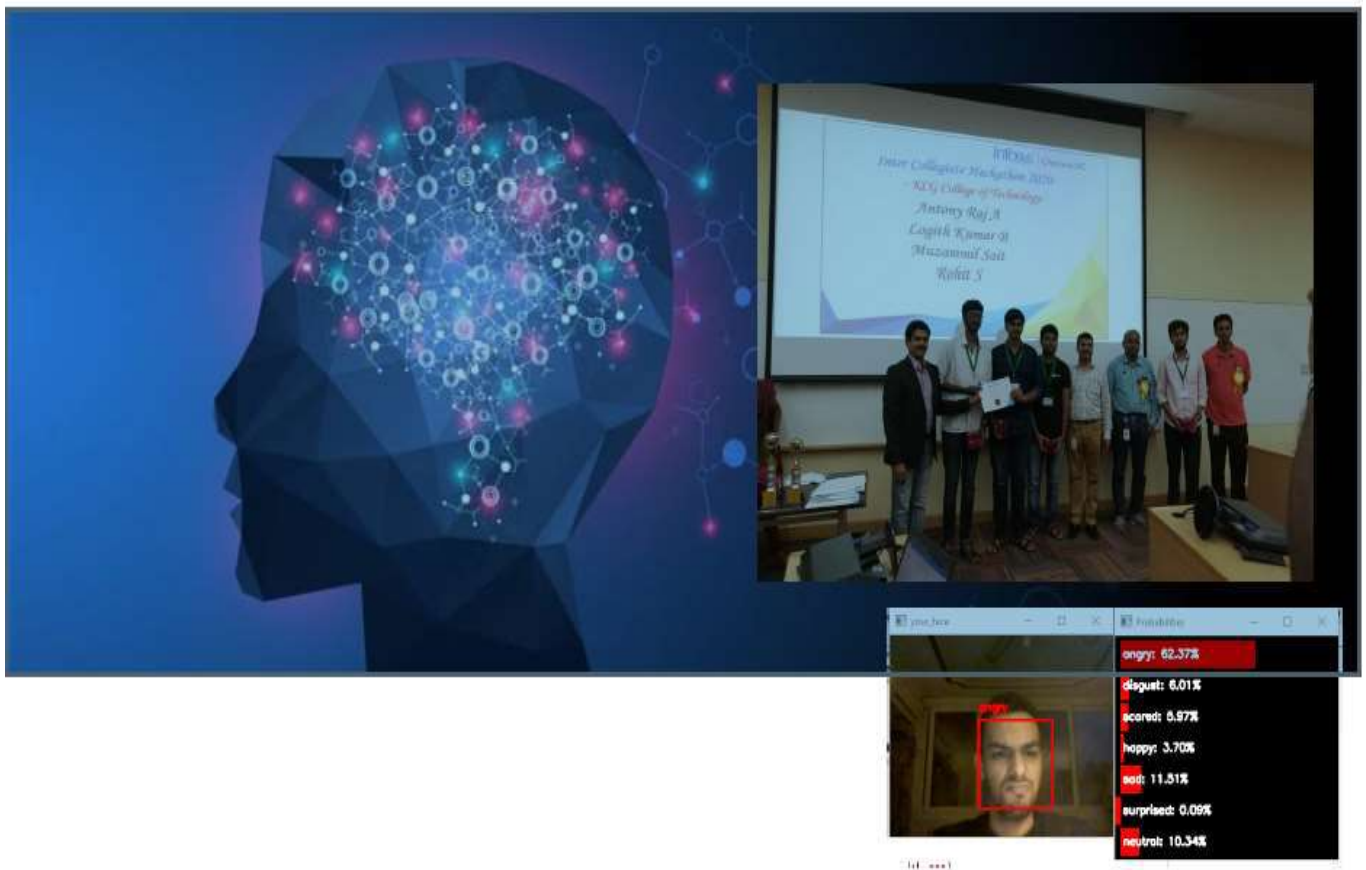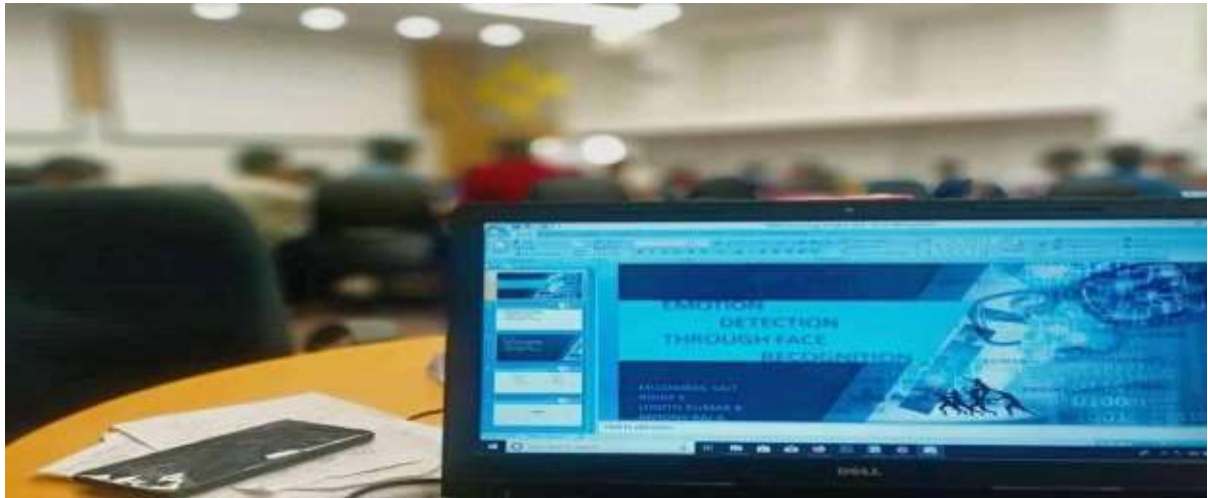
PPT Preparations

Project Preparations

Group Photo

THE FACEBOOK DEVELOPER CIRCLE MEETUP

The Facebook developer circle meetup which was conducted on 11th Jan 2020 at VIT university started off with a motivational talk on choosing your career carefully by the organizer Mr.Magesh member of developer circle. The agenda consisted of various talks by various speakers regarding growing technologies and modules that are used in IT fields .It was an eye opener to all the students and we got to know different method to solve the real time problems faced in the field of IT. The second part of the session was answering questions from all the topics,it was a challenging one but then our team managed to solve and answer all the questions and we got some cool goodies for getting them correct the session was amazing and we ended up adding to the Facebook developer circle. It was simply amazing and a different approach to teach students.

Group Discussion

Group photo

SMART INDIA HACKATHON 2020- Internal Hackathon

Smart India Hackathon 2020 is a nationwide initiative to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mind-set of problem solving. The last edition of the hackathon saw over 5 million+ students from various colleges compete for the top prize at 65+ locations.

Precisely going on with the instructions an internal hackathon was conducted comprising of an overwhelming 52 teams (30 software and 22 Hardware) judged by the panel of expert jury member in different technical fields. The department of Information technology presented about 6 Projects totally 3 from 2nd year and 3 from 3rd year.

PPT presentation

The participation for an internal hackathon for Smart India Hackathon 2020, received an overwhelming 52 registrations across the disciplines. Out of 52 teams, 30 are software and 22 are hardware. The first level evaluation of ideas and mentoring support for the 52 teams was scheduled on 7th and 10th Jan and students actively took part and benefited.

The second level internal hackathon for software and hardware versions were scheduled on 20th Jan 2020 (Monday) on our campus. The team leaders and members were demonstrated the prototype with a presentation. A panel of jury comprising of industry experts evaluated the prototypes and presentations and shortlisted 5 teams for software and 2 teams for hardware. These 7 teams have been recommended by our institution for submission of ideas in SIH portal on 25th Jan 2020. The shortlisted teams for SIH 2020 uploaded their final Presentation in the SIH web portal.

Shortlisted Team Details:

Team 1: Codegreen- III Year IT

Members: 1)Harikrishnan. S   2)Vignesh B 3)Ramesh S 4) Faszlul Kareem.S 5)Swathi T 6)Mohammad Arshad R

Project Description: AI Based Crop Field Identification mobile app belonging to Software.

Team 2: Rakshit- II Year IT

Members: 1)Suraj K 2)Staffin T(IT) 3)Mahalakshmi B(IT) 4)Ellora Jeya Suji J(IT)

Project Description: Rakshit was Safety Jacket Belonging to Hardware.

The other team Details:

Team1: Techno buzzers:

Members: 1) Aishwarya S 2)Antony Raj 3)Logith Kumar B4) Muzammil Sait A 5)Rohit S 6)Shruthi V Seethalakshmi of 2nd Year IT

Project Description: Water quality measuring device belonging to hardware.

Team 2: Technohunters

Members: 1)Anisa H 2)Monika J S 3)Dhanush S 4)Mohan Raj S C 5)Maheshwaran R of 2nd Year IT

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Project Description: Food quality measuring Device Belonging to hardware.

3rd Year IT

Team 1: Encryptors

Members: 1) Arunachalam.P L 2) Balaji V 3) Hari Vignesh R 4) Abilash CS 5)Teju(E&I)

 Project Description: Smart Surveillance System

Team 2: Project title: Idea explorer

Members: 1) Rajkumaran V 2) Srikiruthika G 3) Mageswari R4) Vivek S 5) Krishna P 6) Vignesh M

Project discription:
A website and mobile application which will be the platform that shows the new inventions to this society from various places.

BreakSec India Hackathon20

On 7th February 2020 Brakes India Pvt Ltd conducted a hackathon at their plant in Padi. The team comprised of 3 students from EEE and Staffin T Babu from IT. The team was mentored by Ms.Brindha Sakthi.

The event was well organised by the Brakes India officials. There were a total of 14 teams in the finals. The event commenced by 9:30 A.M. The event went on till 4:00 P.M. where all the 14 teams presented their presentations. It was indeed a great event which helped them to learn many things and also provoked how can approach a particular problem from several aspects.

A detailed description of the problem statement was given by them on 21st January 2020 which was hosted as a separate session. Team were asked to find a solution to automate the process of detecting defects in the piston using image processing which is done manually as of now.

The results were announced by 4:30 P.M. KCG team secured 3rd position and were awarded with certificate and cash award Rs.10,000.

FORENSIC HACKATHON 2020

The Gujarat Forensic Science University in association with Directorate of Forensic Science Services (DFSS), New Delhi has organized a Forensic hackathon 2020 on 14th & 15th of March 2020. From the department 3 Teams had sent the proposal for this hackathon. One team has been shortlisted for 2nd round comprises 50 teams out of 150 Teams across India and Team was asked to submit the project details for the next round.

Shortlisted Team: Mahalakshmi B, Maheshwaran R, Ellora Jeya Suji J

Project Details: Development of android based image processing mobile application for automatic quantification of Thin Layer Chromatography spots.

Other Teams details:

Team 2: Muzammil Zait A, Antonyraj A, Logith kUmar B

Project Details: Exact Age Estimation of a Person

Team 3: Dhanush S, Mohan Raj S C, Kirthik Roshan R

Project Details: Development of cost effective and reliable instruments particularly for crime against women.

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Hackathon for Combating COVID-19

The **Daffodil International University (DIU)** university was organized an online Hackathon for Combating COVID-19 crisis. After the initial screening, they have selected 26 projects from the senior category and 14 projects from the junior category for further assessment. From the department two teams submitted the proposal and 1 team got shortlisted to the second level under Senior category.

Shortlisted Team: Genie Technotats
Team Members: Muzammil Zait A, Logith Kumar B, Shruthi V Seethalakshmi
Project title: Earlier Detection of Corona

Other Team:
Team members: Mr. Arunachalam P L, Mr. Abilash C S 3. Mr. Balaji V
Project Title: Care You(Health Care App).

INFERENCE REPORT

The department of Information Technology has identified a few list of students who are all interested to participate in Technical events. The department has motivated the students and makes them to participate in various events inside and outside the college. The students had organized many programs in our college and participated in various technical events, hackathons. Hackathon combines the terms "hacking" and "marathon" and implies an intense, uninterrupted, period of programming. More specifically, a Hackathon is a highly engaging, continuous event in which people in small groups produce a working software prototype in a limited amount of time. Co- curricular involvement was particularly significant given the extent of student participation in all technical activities. The student participation in co-curricular activities is reflected in improved academic achievements like better placement and internships in top MNCs.