



KUMARAGURU
college of technology
character is life

iQube

innovate | incubate | incorporate



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1. PREFACE

iQube is one of the key innovation centers in Kumaraguru institutions instigated in 2013 with an aim to inculcate the culture of exploring and experiencing technologies in real-time. iQube is an innovation Centre for every tech enthusiast who aims to bring out the explorer and maker within. It further helps tech enthusiasts to convert their innovative ideas into commercially viable or Technically challenging prototypes. It also provides guidance and mentorship in finding a path to achieve what one always dreamt of. This eminent platform has 40+ yearly members, exhibits 10+ yearly projects, has gained 30+ prestigious recognitions for its projects and people, has educated 1000+ people, and has got strong student Alumni mentor support.

VISION

iQube is set out with a vision to create opportunities for the young technology aspirants and let them realize their potential and contribute to the development of India by Innovation, Incubation and Incorporation.

MISSION

iQube also got its mission statements as follows:

- Trains aspirants in their fields of interest.
- Real time understanding by hands on training sessions.
- Evaluation of technical skills through competitions.
- Incubate concepts to build effective products.
- Helps to get into industries for projects,internships etc.

2. SUMMARY OF ACTIVITIES

ACADEMIC YEAR 2016 - 2017

S.NO	LIST	COUNT IN NUMBERS
1	EVENTS HOSTED	7
2	EVENTS PARTICIPATED	8+
3	PROJECTS COMPLETED	6

ACADEMIC YEAR 2017 - 2018

S.NO	LIST	COUNT IN NUMBERS
1	EVENTS HOSTED	6
2	EVENTS PARTICIPATED	11+
3	PROJECTS COMPLETED	7

ACADEMIC YEAR 2018 - 2019

S.NO	LIST	COUNT IN NUMBERS
1	EVENTS HOSTED	6
2	EVENTS PARTICIPATED	10+
3	PROJECTS COMPLETED	5

ACADEMIC YEAR 2019 - 2020

S.NO	LIST	COUNT IN NUMBERS
1	EVENTS HOSTED	17
2	EVENTS PARTICIPATED	13+
3	PROJECTS COMPLETED	14

ACADEMIC YEAR 2020 - 2021

S.NO	LIST	COUNT IN NUMBERS
1	EVENTS HOSTED	22
2	EVENTS PARTICIPATED	12+
3	PROJECTS COMPLETED	16

3. PROJECT DETAILS

ACADEMIC YEAR 2016 - 2017

S.NO	PROJECT TITLE	PROJECT TYPE	DESCRIPTION
1	i-Med Dispenser	External	SIH competition product
2	Robotic Arm	Internal	Robotics Team
3	Yugam Website 2016	Internal	Web development Team
4	i-Tennis tutor	Internal	Embedded Team
5	iQube Website	Internal	Software Team
6	AR & VR Designs	Internal	AR & VR Team

ACADEMIC YEAR 2017 - 2018

S.NO	PROJECT TITLE	PROJECT TYPE	DESCRIPTION
1	i- IoT IV Control	External	SIH competition Product
2	iQube Automation	Internal	Embedded Team
3	KASH	Internal	Software Team
4	Yugam Website 2017	Internal	Web development Team
5	Automated Calibrating Telescope	Internal	Embedded Team
6	Farmer Application	External	World Food Hackathon
7	Robotic Drone	Internal	Robotics Team

ACADEMIC YEAR 2018 - 2019

S.NO	PROJECT TITLE	PROJECT TYPE	DESCRIPTION
1	Line following Bot	Internal	Robotics Team
2	YugamAngaadi App	Internal	App development Team
3	Yugam Website 2019	Internal	Web development Team
4	Yugam Application	Internal	Software Team
5	KatchUp KCT	Internal	Software Team

ACADEMIC YEAR 2019 - 2020

S.NO	PROJECT TITLE	PROJECT TYPE	DESCRIPTION
1	Customer Management System	External	ELGI Equipments
2	Sakthi Finance Application	External	Sakthi Groups
3	KatchUp 2.0	Internal	App development Team
4	Yugam Website 2020	Internal	Software Team
5	Smart Car Parking System	Internal	Embedded Team
6	Baga Timer - Automation in Timer clock	External	Garage
7	Automatic Fish Feeder	Internal	Embedded Team
8	Project Management System		Software Team
9	i-Farm Fresh Agro Supply	External	Rotaract Club, Salem
10	Touch free Hand Sanitizer dispenser	Internal	Embedded Team
11	i-Covid Bot	Internal	Embedded Team
12	Automation in Washing Machine	Internal	Embedded Team
13	Momo maker - design automation	External	KCT.BS Product design

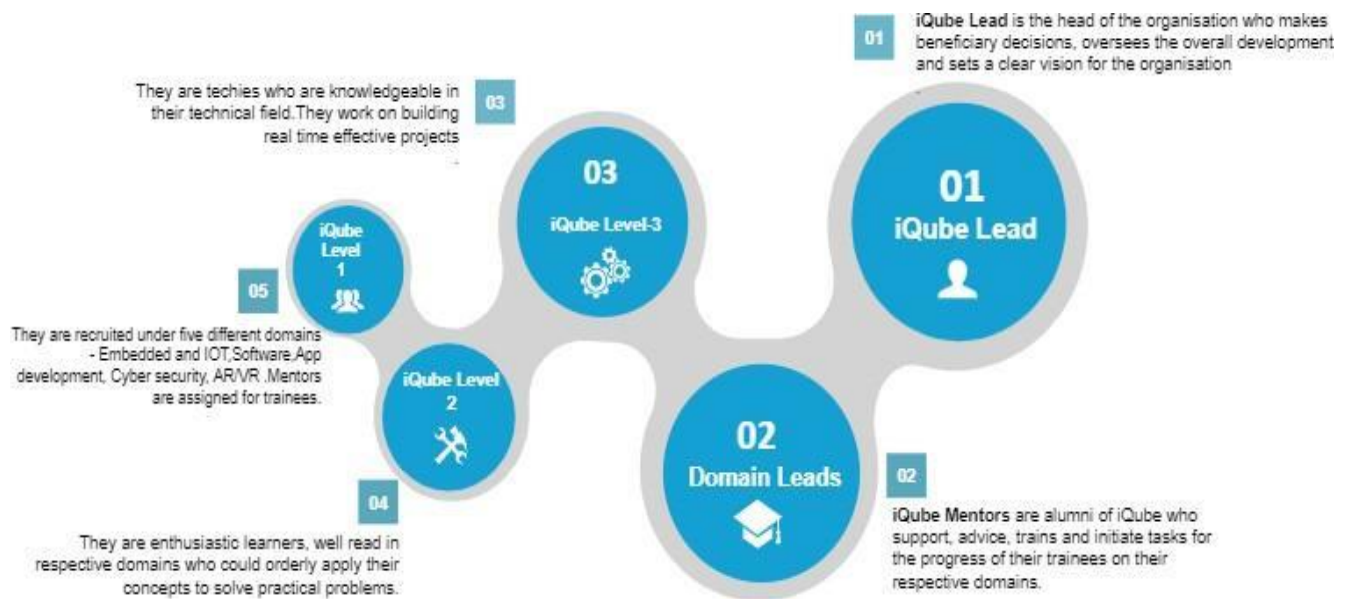
14	Portable Soil fertility testing	Internal	Embedded Team
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ACADEMIC YEAR 2020 - 2021

S.NO	PROJECT TITLE	PROJECT TYPE	DESCRIPTION
1	Wellness Website & App	External	Yoga Client
2	Facial Recognition System	External	Emerald Industries
3	Product Dispatching System	External	Emerald Industries
4	Automation in Jewellery process	External	Emerald Industries
5	i-Kare Covid Bot	Internal	Embedded & Robotics Team
6	KCT Entry System	Internal	Software Team
7	Budget Management System	Internal	Software Team
8	i-5 SAT	Internal	Team iQube
9	i-Practice	External	NidhiPrayas
10	Hydroponics automation	External	Embedded Team
11	Smart Apiculture	Internal	Embedded Team
12	Yugam Website 2021	Internal	Software Team
13	Lathe Machine Status Update	Internal	Embedded Team
14	Automation in Weaving	External	Project Jamakkalam
15	Samsung Software development	External	Samsung
16	iQube Portfolio Management	Internal	Team iQube

4. iQUBE: INFRASTRUCTURE & FACILITIES

iQube has in its structure its Lead & Executive and different levels of iQuberz based on their technical cognizance who on their persistent efforts and increment of their skills will be promoted as the next level of iQuberz. The entry into iQube starts via Kumaraguru innovators Club (KiC) which is a six-month programme exclusively for the freshers where KiCians will be exposed to almost all Technical, Engineering and Management domains which iQube is expertised at. Then the passionate and persistent KiCians will be moved to Level 1 and consecutive levels based on their skills, projects and evaluation.



DOMAINS AT iQUBE

- Artificial intelligence & Machine Learning (AI/ML)
- Augmented & Virtual Realities (AR/VR)
- Cybersecurity
- Web & App Development
- Embedded & IOT
- Mechanical Designing & 3D Printing

- Product Management
- Content Writing

MEMBERSHIP BENEFITS

- Access to iQube Resources (Workstations, Development Kits, Sensors, Softwares, Hi-Speed Internet, Gaming Consoles)
- Regular Guest Lectures by Experts (Technology, Innovation, Technopreneurship)
- Project Guidance, Mentoring and Recognition
- Working with Real Time Industrial Projects
- Industry Internship – based on your Performance and Skills
- Funding for Innovative Projects
- Weekend Workshops / Tech-Reviews
- Project Demos
- Support for Inter-College Technical Events
- Consulting for Core-Company Placements
- Industrial Visits / Tours
- Working with Ongoing Research Project

5. ACADEMIC YEAR 2016 - 2017

RUNNER UP IN DISRUPT.IN - IDEA PRESENTATION

11-03-2017 | EVENT | BANGALORE

The Team of iQuberz winning the runner up in the Disrupt. in idea contest hosted by Young Indians and CII. The team won the prize on presenting 'imed dispenser' - a smart medicine vending machine.



INSIGHTS ON PATENTS IN INDIA BY DEPUTY CONTROLLER OF PATENTOFFICE

23-01-2017 | INTERACTION | KCT CAMPUS

The conversation of iQuberz with the deputy controller of Patents, and design on the Procedures and exposures in Patenting in India.



AWARENESS TO COIMBATORE CITY CYBER CELL POLICE TEAM

12-01-2017 | SEMINAR | KCT CAMPUS

The Coimbatore Cyber Cell Police Team was given awareness on the importance of cybersecurity, crimes that could happen and prevention of crimes with advancements with technologies. This talk was led by Mr. Satish Kumar, expert in Cybersecurity and the session was hosted by iQube.



NATIONAL INSTRUMENTS INVESTERTORS CONFERENCE 2016

27-10-2016 | EVENT | BANGALORE

At the National instruments corporation's investors conference, a Team of iQuberz participated and won special recognition for the display of their prototype idea.



14-10-2016 | EVENT | KCT CAMPUS

CONNECTED DEVICES PRODUCT HUNT

The 'Connected Devices Product Hunt' is a 72 hours hackathon hosted by iQube along with Forge to empower young engineers to become Tech innovators and entrepreneurs.



HANDS ON WORKSHOP IN CYBERSECURITY AT SNS COLLEGE

02-09-2016 | WORKSHOP | SNS COLLEGE, COIMBATORE

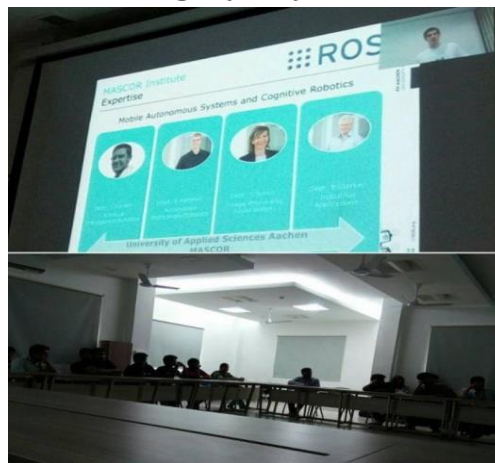
The Hands on workshop in Cybersecurity at SNS College was hosted by iQube to spread the knowledge of importance, scopes and basics to start in this domain of Cybersecurity.



MOSCOR INSTITUTE'S ROS CONCEPTS HOSTED BY INK

16-08-2016 | SEMINAR | KCT CAMPUS

iQubians attending a seminar on ROS concepts by Moscor institute hosted by International Network of Knowledge (INK).



SMART CITY HACKATHON

19-08-2016 | EVENT | KGISL, COIMBATORE

The 'Smart City Hackathon' is a 30-hour Hackathon hosted by Young Indians, CII and Connect at KGISL Campus in the streams of Information Technology, Internet of Things and Engineering. This Hackathon had participation from iQube teams.



INDUCTIONSESSION WITH PADMA SHRI DR.ARUNACHALAMMURUGANANTHAM

19-08-2016 | EVENT | KCT CAMPUS

The visit of Padma shri Dr.ArunachalamMuruganadham - 'the Padman of India' on the induction event while he was also the person who inaugurated iQube. That was such a pleasure and kind gesture of his, coming back to iQube and overseeing the progress of this place.



INSIGHTS ON HIGHER EDUCATION IN THE UNITED STATES

08-08-2016 | SEMINAR | KCT CAMPUS

The session on Higher education in the United States has Mr. Sufian, Founder and Project Lead of iQube addressing students on the opportunities of education abroad.



EDUCATIONAL ENTREPRENEURSHIP SUMMIT AT FORGE

30-07-2016 | CONFERENCE | FORGE, COIMBATORE

The iQuberz participated in the Educational Entrepreneurship Summit at Forge Accelerator and gained inputs from seven growing startups and their project pitches.



TECH REVIEW WITH Re

19-07-2016 | EVENT | KCT CAMPUS

The Tech Review and Project pitch of KCTians to enhance their existing project or prototype ideas was reviewed by a panel from iQube and Re.



6. ACADEMIC YEAR 2017 - 2018

ARDUINO DAY'17

01-04-2017 | SEMINAR | KCT CAMPUS

The Arduino Day is an 8-hour seminar hosted by iQube on learning the basics to niche in Arduino - the open-source electronics platform based on easy-to-use hardware and software. It was hosted as an open event with more than 90 participants.



INDIA FOOD HACKATHON WINNERS- GOVT OF INDIA

05-11-2017 | EVENT | DELHI

The World Food Hackathon was organized by the Government of India to solve major food security problem statements that are to be implied efficiently in the real time in India. Ms. HanuPriya and Team bagged the First prize at the National level in developing the most effective solution in this contest.



THE BEST IOT HACKER AWARD AT HACKFEST

09-11-2017 | EVENT | BANGALORE

The Best IOT Hacker award was awarded to Mr.Satish Kumar by the Hackfest for his extreme proficiency in this arena at a10-hourevent at Bangalore.

HACKIE TALK ABOUT IOT SECURITY TO THE TNIGC HACKATHON

21-01-2018 | EVENT | FORGE

iQubians from the arena of Cybersecurity talked about the significance and scopes on Security and Internet of Things at the one-day TNIGC Hackathon organized by Forge.



CAPTURE THE FLAG (CTF) - AN EVENT FOR FINAL YEAR STUDENTS INCYBER FORENSICS

29-01-2018 | EVENT | KCT CAMPUS

A two-day event organized by iQube especially for the final year students of KCT to assess their skills and impart knowledge on the concept of Cyber Forensics which had participation of about 20+ final year students from various departments.

ETHICAL HACKING 1 - WORKSHOP

06-02-2018 | WORKSHOP | KCT CAMPUS

An 8-hour continuous hacking workshop was hosted by iQube on Ethical Hacking in KCT campus and that had an active participation of about 50 external and internal members.

ETHICAL HACKING 2 - WORKSHOP

08-02-2018 | WORKSHOP | KCT CAMPUS

Based on the active registrations and limited occupancy in the Ethical Hacking 1 workshop, another 8-hour workshop on Ethical Hacking was hosted by iQube which had around 30 participants in and around KCT.

EFI COIMBATORE'S 'LET'S TALK ELEPHANTS'

17-02-2018 | SEMINAR | IBIS, COIMBATORE

Participation of iQubians in the one-day EFI 'Let's Talk Elephants' to utilize technologies to effectively save the Jungle Jumbos - the elephants.



ATTENDING NULLCON CONFERENCE NULLCON GOA 2018

02-03-2018 | EVENT | HOLIDAY INN, GOA

The NULLCON 2018, a four-day Conference held at Goa in which iQuberz actively took part and competed in various competitions.

WON 3RD PRIZE IN HARDWARE CTF - GOVT OF INDIA

03-03-2018 | EVENT | HOLIDAY INN, GOA

At the event of NULLCON 2018 conference, four iQuberz as a Team won the Third place in the Hardware CTF.



TECHSPLOURATION SERIES T.1

16-04-2018 | SEMINAR | KCT CAMPUS

Techsploration series T.1, the first session in the series was initiated on Talks by iQuberz on their domains and concepts of expertise, sharing their knowledge to fellow KCTians which had around 20 participants.

TECHSPLOURATION SERIES T.2

17-04-2018 | SEMINAR | KCT CAMPUS

Techsploration series T.2, the second session in series had iQubians talk on their domains and concepts of expertise, sharing their knowledge to fellow KCTians which had around 10 participants

7. ACADEMIC YEAR 2018 - 2019

WINNING THE 3RD PLACE IN SMART INDIA HACKATHON 2018-HARDWARE EDITION

23-06-2018 | EVENT | CHANDIGARH

The Smart India Hackathon 2018, a three-day long Hackathon organized by GOI in Chandigarh. About six of our iQuberz participated in its Hardware edition and bagged the third place for providing the promptest solution addressing the problem statement.



SMART INDIA HACKATHON-SOFTWARE

28-06-2018 | EVENT | BANGALORE

The SIH's Software edition was held in Bangalore in which a Team from iQube participated and gave their toughest competition to other teams in the one-day event.

ATTENDED GEEKNIGHT @OWLERINC

17-08-2018 | SEMINAR | SEZ, COIMBATORE

The Geeknight, a monthly event to promote sharing of technical knowledge and increasing collaboration between geeks in Coimbatore. Five iQubians attended this 8-hour seminar to build external exposures and collaborations.

RiGATHON

18-09-2018 | EVENT | KCT CAMPUS

RiGathon, the trinity of Re, iQube and Garage organized a two-day Hackathon to increase the overnight prototype building and problem-solving culture within KCTians. This event had an immense response on campus and had participation of about 80 KCTians.



HANU PRIYA OF ECE AND KEZIA JOBEL OF CIVIL ENGINEERING WIN THE FIRST PLACE AT DEVELOPER TUTORIAL AND HACKATHON

29-10-2018 | EVENT | HYDERABAD

The Developer tutorial and Hackathon was a two-day event hosted at Hyderabad. The first place of this event was won by Team from iQube comprising Ms. Hanu Priya of Electronics and Communication Engineering and Ms. Kezia Jobel of Civil Engineering.



MACHINE LEARNING STUDY JAM - GDG COIMBATORE

21-12-2018 | EVENT | KCT CAMPUS

The Machine Learning Study Jam organized in KCT by iQube is an event where participants learn network and build ML solutions to tackle India specific challenges together with Google's ML crash course and TensorFlow tutorials. This one-day event had around 40 ML enthusiasts.



BOSCH ENGAGEMENT ELECTRIFICATION- HACKATHON 2019

29-01-2019 | EVENT | SEZ COIMBATORE

The Bosch Engagement Electrification Hackathon 2019 is a 7-day long Hackathon, in which four of our iQuberz Ms. HanuPriya from Electronics & Communication Engineering, Mr. Dinesh Kumar from Mechatronics Engineering, Mr. Manikandan, and Mr.Sriram from Electronics & Instrumentation Engineering own commendable recognition in the event.



SMART INDIA HACKATHON 2019

02-03-2019 | EVENT | KCT CAMPUS

iQube hosted the Smart India Hackathon 2019 - Software edition, along with KCT as our institution being the nodal center for this Hackathon.



CYBERSECURITY

04-02-2019 | EVENT | KCT CAMPUS

The Cybersecurity event was hosted by iQube in KCT for twodays which had about 30 participants in and around KCT.



NOVA CTF

05-02-2019 | EVENT | KCT CAMPUS

The Nova Capture the Flag, a one-day event hosted by iQube as a part of Yugam had about 30 enthusiastic external participants cracking their challenges to capture the flags.



WOMEN CTF EVENT WITH PUDHUPAVAI

12-03-2019 | EVENT | KCT CAMPUS

The Capture the Flag event was hosted by iQube exclusively for women in KCT along with the Pudhupavai club of the institution to encourage women to participate more in CTF style events.



CTF WINNERS-4 MEMBERS

17-02-2019 | EVENT | AMRITHA, COIMBATORE

The Anokha 2019 is a renowned Capture the Flag contest organized annually by Amrita College, in which four of our iQubians Mr. Keerthivasan, Mr. Saran, Mr. Arun and Mr. Hariprasath topped the Leaderboard with a distinct score and bagged the first place in the event.



CYBERSECURITY AT KARUNYA INSTITUTE OF ENGINEERING

19-02-2019 | SEMINAR | KARUNYA COLLEGE, COIMBATORE

The Cybersecurity workshop at Karunya university was handled by Mr.Satish Kumar from iQube with Karunya hacks on the niches in Ethical Hacking.



SMART INDIA HACKATHON-SOFTWARE

02-03-2019 | EVENT | BANGALORE

The Smart India Hackathon’s Software edition of 2019 was organized for two-

days in Bangalore, in which six of our iQubians participated and proved their skills in efficiently solving the problem statement and won their recognition.

MR. VARUN AT OPPO RENO LAUNCH AND COLOR OS ALPHATESTERS MEET

04-06-2019 | CONFERENCE | NEW DELHI

Mr. Varun, the web and app developer of iQube was invited for the Oppo Reno launch and Color OS Alpha tester meet and was awarded as one of the Top 10 Alpha Testers in India.



MR.PONMAHILARASU INVITED FOR THE WWDC 19 APPLEWORLDWIDE DEVELOPER CONFERENCE

11-06-2019 | CONFERENCE | CALIFORNIA, USA

Mr. PonMahilarasu, one of the iOS Engineers of iQube was invited to attend the prestigious WWDC 19 Apple Worldwide Developer Conference in California. He was meeting and interacting with leading iOS developers around the globe.



8. ACADEMIC YEAR 2019 - 2020

iQUBE RECRUITMENT

04-03-2019 | SEMINAR | KCT CAMPUS

iQube's Level 1 recruitment for the year 2019 happened after series of process such as registration, one-on-one interview and about 120 members (second & third years) were taken on-board from various departments into technical domains such as AI/ML, Cybersecurity, AR/VR, E&IOT, Mechanical design, Web & App development.



INTAKE FOR SOCIAL MEDIA AND CONTENT WRITING

02-05-2019 | SEMINAR | KCT CAMPUS

The iQube's Management intake for the role of Product Managers and Content Strategists was taken on board with iQube. In total 6 members were taken in for these roles.



SUMMER CAMP

24-05-2019 | WORKSHOP | KCT CAMPUS

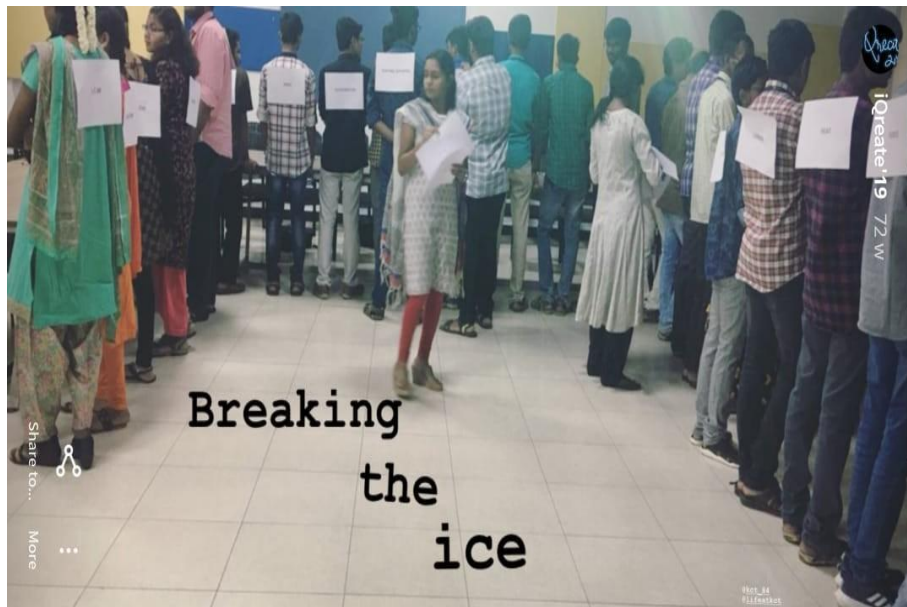
RiG's Summer Camp 2019 exclusively for the school children those who were interested to learn and experiment with the basics of Engineering and Technology. This camp had participations of 30+ children and happened for 3 days.



iQURITE -NEW TEAM RECRUITMENT

10-07-2019 | SEMINAR | KCT CAMPUS

The Level 1 iQube Team's boot camp session that happened for 3 days after their recruitment included ice breaking, brainstorming, Team building activities which helped them build their thinking, decision making and leadership abilities.



17TH TAMIL INTERNET CONFERENCE

17-07-2019 | EVENT | ANNA UNIVERSITY, CHENNAI

The 17th Tamil Internet two-day conference extended its helping aid to reach people and improve research in Tamil with aid of effective technologies. About 4 iQuberz participated in this conference and gained insights in this matter.



iQUBE INDUSTRIAL MENTORS VIRTUAL MEET

23-07-2019 | INTERACTION | KCT CAMPUS

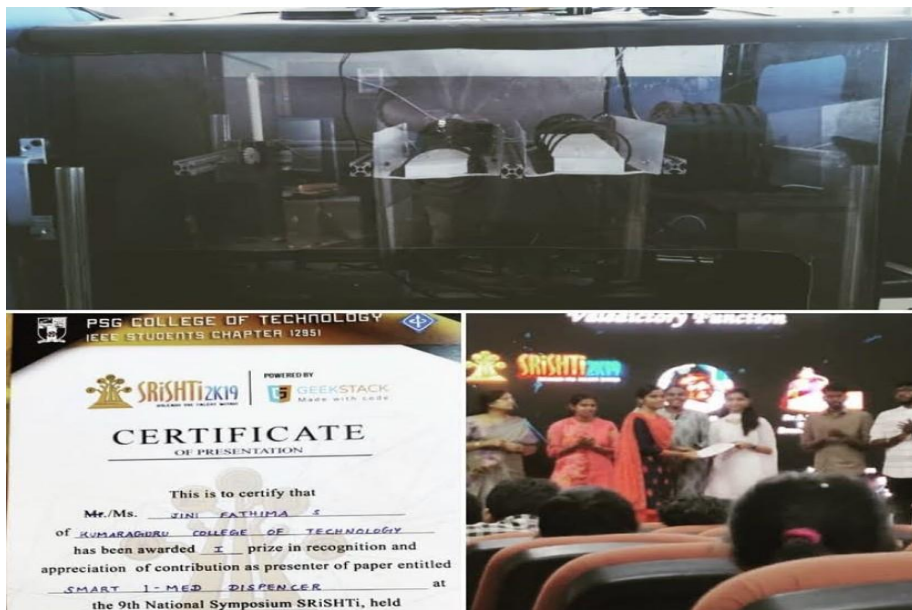
The iQube's industrial mentors virtual meet was held for the iQube alumni and the Programme coordinator, Project Managers and Content Strategists of iQube.



PSG SHRISTI 2019

28-09-2019 | EVENT | PSG, COIMBATORE

Ms. Jini Fathima, the Content Strategist of iQube from Electrical & Electronics Engineering won first place in the presentation of 'i-Med dispenser'- the automatic medicine dispensing machine at the PSG College of Technology's annual event SHRISTI 2019.



PRODUCT DESIGN CHALLENGE (K- PDC)

11-09-2019 | EVENT | KCT CAMPUS

The Kumaraguru's Product Design Challenge (KPDC), is an event hosted by RiG with an idea to bring people together across Kumaraguru to solve the society's most pressing problems. This event had a series of processes right from the formation of Teams, reviews, scrutinization process and finally top 20 teams made it to the final.

ARE YOU
TEAM PLAYER
CODER
IDEATOR
STUDENTPRENEUR

KUMARAGURU 
Institutions

Kumaraguru's
**PRODUCT
DESIGN
CHALLENGE.**

Innovative Beings with a dream.

Kumaraguru's product design challenge is a RiG's initiative to bring out aspiring ideas from students and guide them in building a product that could resolve real-time issues.

Registration Date extended Upto
10 October 2019

Do Read the Event Instructions and Register at
bit.do/K-pdc

Students of Kumaraguru Institutions can participate
(KCT, KCTBS, KCLAS, KIA)

Final contest winners
**Total prize worth
₹45,000/-**

Soliton   
JANATICS  TISMO  molecular  connections  JOCKEY

Vignesh R **97505 10302**
Sanju Vikashni **91597 40010** **iqube@kct.ac.in**

NATIONAL SCIENCE AND TECH FAIR AT CODISSIA

03-09-2019 | EVENT | CODISSIA, COIMBATORE

The iQuberz projects were exhibited in the National Science and Tech Fair at Codissia and gained encouragement from the various Tech attendees.



KiC INTAKE 2019 ORIENTATION

13-10-2019 | EVENT | KCT CAMPUS

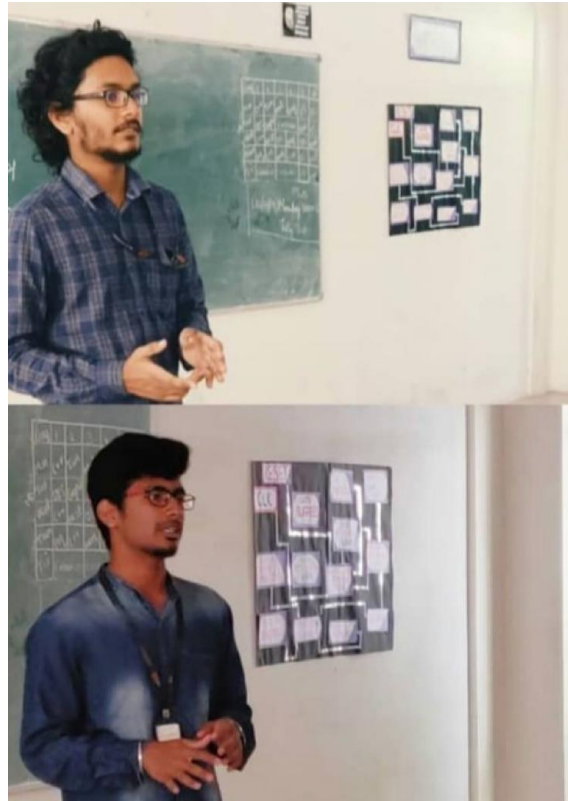
The KiC intake and orientation for the batch of 2019-2020 happened with our alumnus and the Founder of iQube Mr. Sufian. Our alumni Mr. Rajasudhan, Mr. Satish Kumar and Mr. Pitchappan, of iQube joined the orientation virtually and interacted with the juniors.



SESSION ON CYBERSECURITY AT DR.RAJALAKSHMI COLLEGE OFARTS AND SCIENCE

20-12-2019 | SEMINAR | DR.SNS RCAS, COIMBATORE

A session on Cybersecurity was hosted by iQube in Dr.SNS RCAS. The session handled by two iQuberz Mr. Arun and Mr. Hariprasanth of Cybersecurity domain.



MS. HANUPRIYA AWARDED AS BEST STUDENT FROM ISTE

24-12-2019 | EVENT | PSG, COIMBATORE

Ms. HanuPriya, Software developer and Embedded Engineer of iQube received the honourable mention as the best student of the year 2019 from Indian Society of Technical Education for her innumerable projects and contributions towards Science and Technology.



LEVEL 1 iQUBERZ PROJECT PITCH

14-01-2020 | EVENT | KCT CAMPUS

The Level 1 iQuberz after their period of six months of learning and exploration pitched a project idea and developed a Minimum Viable Prototype for the pitch.



INTRA - RIGATHON 2020

18-01-2020 | EVENT | KCT CAMPUS

The intra RiGathon was hosted by RiG's Tech Conclave as a part of Yugam 2020, to qualify top Teams from KCT to compete with external teams for RiGathon 2020. This 36 hour long Hackathon had 70+ participants from KCT.



INTRA NOVA CTF 2020

19-01-2020 | EVENT | KCT CAMPUS

The intra Nova CTF was hosted by iQube under the Tech Conclave as a part of Yugam 2020 within Kumaraguru to qualify the top teams to compete with external teams for the Capture the Flag event. This event had 40 + participants from KCT.



NOVA CAMPUS CTF 2020



RIGATHON 2020

28-02-2020 | EVENT | KCT CAMPUS

The Yugam 2020 Tech Conclave's RiGathon - 48 hour hackathon, had active 100+ participants across south India. The first prize of the event was shared by two teams and special mention awards were also awarded.



NOVA CTF 2020

28-02-2020 | EVENT | KCT CAMPUS

The Yugam 2020 Tech Conclave's Nova CTF had about 50+ external participants competing among themselves to solve Challenges to Capture the Flag.



ETHICAL HACKING WORKSHOP

28-02-2020 | EVENT | KCT CAMPUS

Yugam 2020's Ethical Hacking Workshop was hosted by iQube. This one-day Workshop had 112 external participants to inculcate skills in Hacking in an ethical way.



REBOOT EARTH HACKATHON

17-09-2019 | EVENT | UNESCO, DELHI

The Reboot Earth Hackathon, an international Hackathon hosted by UNESCO addressing the changing Climatic Crisis using Technologies. A Team of four iQuberz cleared the prelims and several rounds in progression.



AMIRTHA CTF

28-12-2019 | EVENT | AMRITHA, COIMBATORE

Mr.Hariprasanth and Mr.Arun of iQube participated and won the winners of the event at the annual CTF (Capture The Flag) event at Amritha.



ANOKHA CTF

28-12-2019 | EVENT | AMRITHA, COIMBATORE

Mr. Arun and Mr. Hariprasanth bagged the second place at Anokha CTF, one of the annual Capture the Flag events of Amritha.



VISHWAKARMA AWARDS

15-10-2019 | EVENT | ONLINE

7 iQuberz developed a prototype to participate in the AICTE Vishwakarma awards 2020. The Teams were elected in AICTE's institutional level selection and qualified for overall competition.

i4C BLOGATHON

23-05-2020 | EVENT | ONLINE

The SIH's Technical Blogathon, the Nationwide online contest had six participants from iQuber

iQUNITE

10-05-2020 | MEETUP | ONLINE

iQunite, the iQube alumni reunion, had iQuberz across batches from 2013 to 2020 to talk, chat and share a lot of nostalgia over virtual conversation with our Joint Correspondent Shri.ShankarVanavarayar.



NATIONAL IDEA CHALLENGE KOVILPATTI

15-04-2020 | EVENT | KOVILPATTI

The National idea Challenge had the idea presentation by three of our iQuberz in the event. Mr. Saran, Ms. Jini Fathima and Mr. Hariprasanth pitched their ideas which were recognized.

INNOVATION CHALLENGE FOR DEVELOPMENT OF VIDEOCONFERENCING SOLUTION

15-04-2020 | EVENT | ONLINE

The Pandemic created a huge necessity of video conferencing tools and the Nation wide innovation challenge of building and designing the effective Video Conferencing tool was announced and 12 iQuberz participated in it as a Team and gained exposure from the event.

ETHICAL HACKING SESSION - QUARANTINE PERIOD

18-04-2020 | WORKSHOP | ONLINE

The online Ethical Hacking workshop hosted by RiG and sponsored by iQube had

60+ applicants and out of them 30 participants were selected from the prelims round to attend the six-day workshop handled by Mr. Satish Kumar, the expert in Cybersecurity & Alumnus of iQube.



FACE FILTER DESIGN CONTEST BY FACEBOOK - SURYA KIC

15-04-2020 | EVENT | ONLINE

The Face filter design challenge for the SnapChat social media power by FaceBook had our KiCian (Kumaraguru innovators Club of iQube) Mr. Surya of Mechatronics Engineering. He bagged the second place.

GITEX 2020 DUBAI PROJECT APPLIED IN INTERNATIONAL FORUM-AGRI BOT (KIC) - GOVT OF DUBAI

25-05-2020 | EVENT | ONLINE

A Team from KiC (Kumaraguru innovators Club of iQube) had an idea of Agri bot applied in the GITEX international forum. The team won the recognition award.

INDO ISRAEL CONFERENCE

30-01-2020 | CONFERENCE | KCT CAMPUS

The Indo Israel Conference on Sustainable Cities was hosted by KCT along with

TAU, ARO and PSGCT. Six iQuberz participated on the discussions in research innovation and indengineous solution to wastewater management and technology enabled agricultural practices.

ENTRY SYSTEM

02-04-2020 | PROJECT | iQUBE

The software team of iQube developed an entry system (entry.iqube.io) to monitor the entry and exit of the staff and the students of KCT during the pandemic.

SAKTHI FINANCE APP

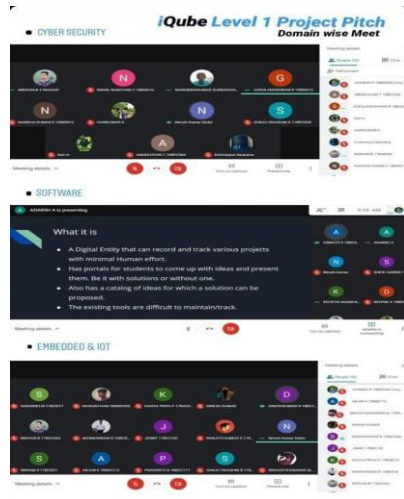
02-02-2020 | PROJECT | iQUBE

The Sakthi Finance Application was developed by iQuberz of the Software domain.

LEVEL 1 iQUBERZ VIRTUAL PROJECT PITCH

23-06-2020 | EVENT | ONLINE

The Level 1 iQuberz pitched their project and prototype ideas virtually to the panel of Level 4 iQuberz as a level of qualification for their consecutive position.



9. ACADEMIC YEAR 2020-2021

TELEGRAM APP

10-05-2020 | PROJECT | iQUBE

A common chat platform/arena of the institution to share info to students was developed in the Telegram channel by the Software Team of iQube.

AUTOMATIC HAND SANITIZER DISPENSER

08-04-2020 | PROJECT | iQUBE

The Automatic Hand sanitizer dispenser using sensors was designed in iQube during the pandemic. The model was designed by Mr. Ranjith Kumar of ECE, one of the Embedded engineers at Level 3 of iQube.



COVID BOT

15-05-2020 | PROJECT | iQUBE

The Covid Bot was developed by iQube to benefit the Healthcare practitioners in the Covid period as an aid in Medicine dispensing support, non-contact patient analysis with a line following robot.

iQUBE MANAGEMENT TEAM INTAKE AND ORIENTATION

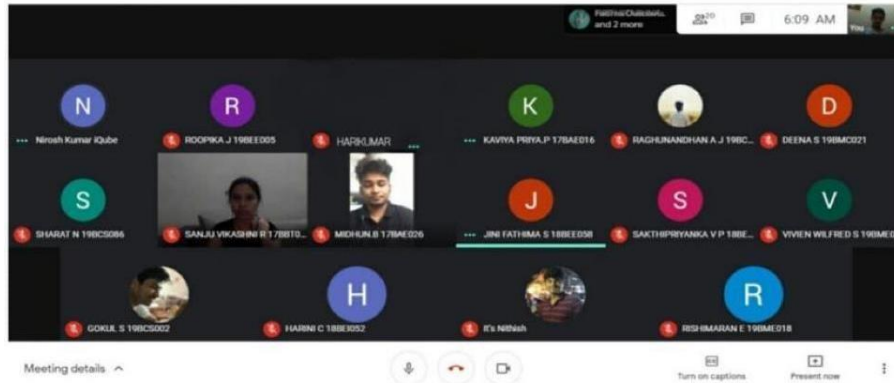
16-06-2020 | EVENT | ONLINE

The iQube Management intake 2020 was done to bring in the next batch of Product Managers and Content Strategist to the crew. Its orientation was held virtually in which 8 PM and 5 CS were on-boarded.

iQube Tech Management Team - 2020

The 6am Virtual Orientation Program

#OurNewnormal



Welcomes 13 Young Minds

ASSAM HACKATHON 2020 - GOVT. OF ASSAM

24-07-2020 | EVENT | ONLINE

The Assam Hackathon was organised by the Police department of Assam government. The objective of the hackathon to have technical solutions to the daily challenges in their work. Five teams, a total of 17 members, applied for the contest out of which four teams were qualified for the finale.

iQUBE DOMAIN ELUCIDATION 2020

28-07-2020 | SEMINAR | ONLINE

The iQube domain elucidation was organised by the Product Managers - Level 1 members trained the Level 4 iQuberz on different domain to have clarity to pursue their domain of interest.



E - YANTRA 2020

17-09-2020 | EVENT | ONLINE

e-Yantra, the National level Robotics contest was organised by Sastra institute which was sponsored by MoE and NMEICT. 12 iQubers participated and a few cleared the subsequent levels and made it till the finals.

CRYPTIQ'20 (ENGINEERS DAY EVENT)

13-09-2020 | EVENT | ONLINE

CryptiQ'20, the virtual Crack, the Challenge CTF styled event was hosted by iQube as a part of Engineer's Day. This event had about 90+ participants and 45+ Teams across KCT, KCLAS, KCT.BS. This event covered challenges from 8 different domains from Electronics to Fashion and Management.

MICROPROCESSOR CHALLENGE - GOVT. OF INDIA

20-09-2020 | EVENT | ONLINE

The Swadeshi Microprocessor Challenge was hosted by GOI under AthmaNirbhar Bharat Abhiyan mission to use the indigeniousmicroprocessor and build commercial products for societal benefit. 14 members from iQube participated in this National level contest.

IIC CONTEST - GOVT. OF INDIA

10-07-2020 | EVENT | ONLINE

The IIC Project pitch contest wasorganised by GOI to address problems relating to health, safety and Agriculture etc. A Team from iQube presented the Farmers produce supply chain to the Market, thisidea cleared the institutional level and moved to the National level.

INTERN - IDEA BOARD - TECHNICAL CONTENT WRITING

10-06-2020 | INTERNSHIP | ONLINE

The Ideaboard Technologies hired four iQuberz from the team of Content Strategist for an internship programmeto completetheir subject modules.

AUTODESK DESIGN CONTEST

15-09-2020 | EVENT | ONLINE

The Autodesk Design Contest was organised by Anna University, Chennai. Mr. Midhun and Ms. KaviyaPriya of Aeronautical Engineering pitched in their ideas for three challenges, Design of Covid Mask, The Home Robot and UAV. They were the winners and runners of this contest.



Sl.No	Student Name	College	Result
01	Midhun.B	Kumaraguru college of technology,Coimbatore	Winner
02	Vasanth J	University college of engineering Kanchipuram	1st Runner Up
03	U. Thaneshvar	Bannari Amman Institute Of Technology	1st Runner Up
04	Kiran Kumar R	Government College of Technology	1st Runner Up
05	TAMIZHARASAN K	SNS College of Technology	2nd Runner Up
06	Pragadeesh S B	Madras Institute of Technology	2nd Runner Up
07	GOWTHAM N	Bannari Amman Institute OF Technology	2nd Runner Up
08	BHARATH R K	PSG College of Technology	2nd Runner Up

K-COLLECT PROJECT

20-09-2020 | PROJECT | iQUBE

The K-Collect Project aimed to maintain cashless transactions in Kumaraguru.

TAMIL MANDRAM EVENT

02-10-2020 | EVENT | ONLINE

The Kumaraguru's Tamil Mandram and Nithilam initiated a Hackathon,iQube was the mentor of the event. This event encouraged ideation and development of solutions to problems faced in various Tamil sectors with Technologies. This 3 day event had a total of 80+ participants and 10 iQuberz.



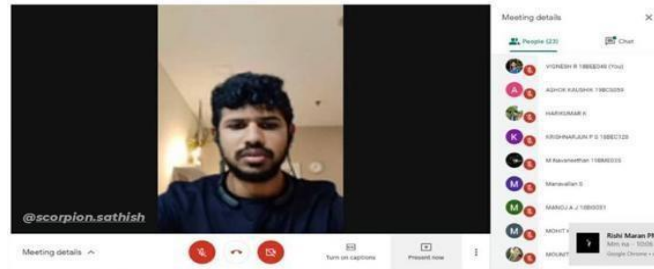
ALUMNI TECH TALK SERIES1

03-11-2020 | SEMINAR | ONLINE

The first Alumni Tech talk series was conducted in the domain of Cybersecurity. Mr. Satish Kumar, our Alumnus and Mentor of iQube interacted with juniors, explained the concepts and clarified their doubts. iQubers of Level 1, 2 and 3 attended this session.



A Day on Cybersecurity arena #iQube_weekly_session 1



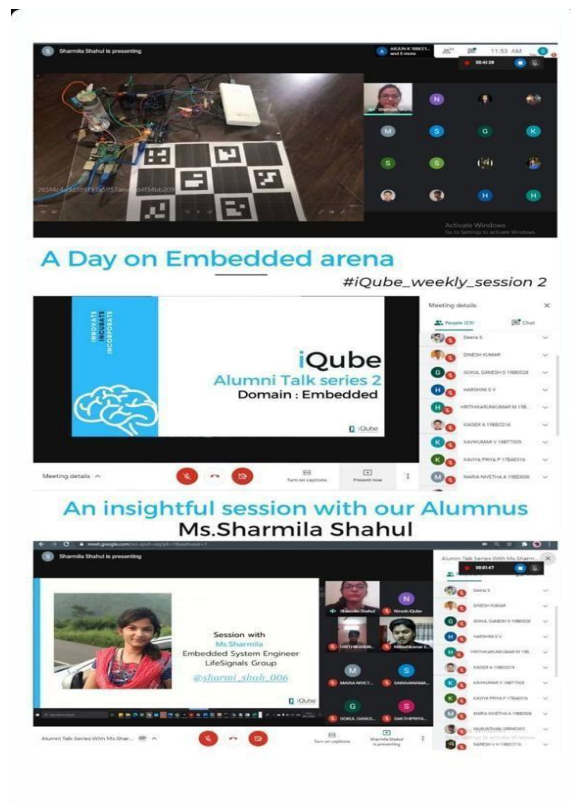
Interactive session with our Alumnus Mr.Sathish Kumar



ALUMNI TECH TALK SERIES 2

10-11-2020 | SEMINAR | ONLINE

In the second alumni talk series, Ms. Sharmila Head of Embedded systems who is our Alumna spoke on her projects, learnings and career in the field of Embedded systems. iQuberz from the domain of Embedded & IoT took part in this session.



i5 - SAT

06-01-2021 | PROJECT | iQUBE

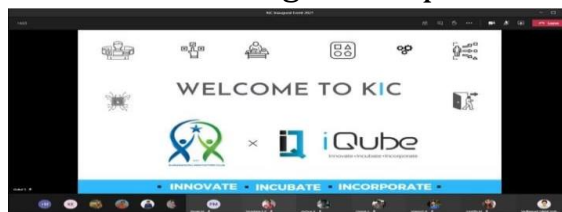
The i5 SAT is a pico sized satellite which could effectively measure five parameters such as Temperature, Air quality, Live video capture and streaming, Altitude and Pressure with 5 payloads and weighs exactly 171 grams was built by a Team of iQuberz. Mr. Sabarish from E&I, Mr. Midhun from Aeronautical, Mr. Mugundhan from Mechatronics, Mr.Vignesh and Mr.Ashwin from EEE were the members of the team. This interesting project has grabbed the attention of Team ISRO.



iQUBE'SKiC INTAKE 2020 VIRTUAL ORIENTATION

05-02-2021 | EVENT | ONLINE

The iQube'sKiC intake for the batch of 2020-2021 had 98 KiCians on-boarded in the process. This session had the founder and seniors of iQube Mr. Pitchappan and Mr. Suganthaseelan sharing their experiences as a KiCian.



Kumaraguru Innovators Club
Virtual Inaugural Meet 2021

Welcome Freshers



COMPETITIVE PROGRAMMING COURSE

DEC '20 - MAR '21 | WORKSHOP | ONLINE

The hands-on workshop hosted by iQube on the industry's most needed skills 'Competitive Programming' was handled by Mr.Rajasudhan and Mr.Keerthivasan who are our alumnus and experts pursuing their career in the same domain. This workshop was intended to train on the basics and explore their skills in this arena.



KiC: SESSION ON WEB DEVELOPMENT

10-02-2021 | SESSION | ONLINE

A series of sessions was handled by iQuberz of Level 2, Mr.Aswath on the introduction, scopes in Web development, Mr.IbrahimKalil on the basics of Front End development, Level 1: Mr.VijeyVarshan and Product Manager:



Mr.Harikumar on UI UX, Angular JS and GitHub Repository Management. This curious crew of KiCians hosted 95+ web pages at the end of their monthly session.



KiC: SESSION ON CONTENT WRITING

25-02-2021 | SESSION | ONLINE

A series of sessions was handled by iQube’s Content Strategists Crew on the basics to the advanced level of Content creation and document writing. The sessions were handled by Ms. Harini and Ms.Roopika on Introduction to Content writing and Ms.Sakthi Priyanka on Publishing Review and research papers. By the end of these series of sessions KiCians were given a clear understanding of drafting proposals, documentation, interpreting and creating research & review papers.



KiC: SESSION ON MECHANICAL DESIGNING

25-03-2021 | SESSION | ONLINE

A series of sessions handled on the domain 'Mechanical designing' by iQuberz. Mr.Ajeeth handled on Industrial design, Mr.Midhun handled on Introduction to Mechanical designing and Ms.Kaviya Priya handled on Practical session using Autodesk fusion 360.



KiC BATCH 2021 CATCH-UP MEET

24-03-2021 | SESSION | KCT CAMPUS

The KiCians of Batch 2021 were recruited and interacted virtually. A quick catch-up session was planned for them; when the Freshers visited the campus, they were given live exposure in the iQube's workspace. This session happened in two batches with a maximum of 30 members in each following the Covid guidelines of the institution.



YUGAM 2021: KiC VIRTUAL PAPER PRESENTATION

02-04-2021 | EVENT | ONLINE

The KiC's Paper Presentation, which is one of the key events of Yugam had good response in spite of the pandemic and the virtual mode. This year the ideas were opened for Circuit, non-circuit, Life-science and others.



YUGAM 2021: iQUBE'S NOVA CTF

03-04-2021 | EVENT | ONLINE

The iQube's Nova CTF 2021 had about 30+ challenging teams virtually battling

with each other to crack their challenges in a jeopardy style to capture the flag event.



KiC: SESSION ON EMBEDDED SYSTEMS & IOT

12-04-2021 | SESSION | ONLINE

A Series of sessions on the domain Embedded Systems were handled by iQuberz. The first session on Introduction to Embedded Systems & IoT was handled by Mr. Kesava Mani, Alumnus of iQube. The further sessions, Basics of Electronic Components was handled by Mr. Dinesh Kumar, a Session on PCB design was handled by Mr. Vignesh Ravi of Level 2 iQube, and the final session of the domain on Embedded devices was handled by Mr. Sabarish of Level 3 iQube.



KiC: SESSION ON ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

03-05-2021 | SESSION | ONLINE

A series of sessions on AI/ML, one of the most trending technologies were handled by Level 2 iQuberz of the domain, Mr. Sheik Harris and Mr. Pawan gave an introduction on AI & ML, Mr. Vishal covered OpenCV and Face Recognition using this technology.



KiC: SESSION ON APP DEVELOPMENT & UI/UX

24-05-2021 | SESSION | ONLINE

A series of sessions on App development were handled by Mr. Charles and Mr. Varun, Alumnus of iQube who are currently working on Application development. This series covered the basic criteria required to build an App and the next session was a live Application development demo.



KiC: SESSION ON CYBERSECURITY

02-06-2021 | SESSION | ONLINE

A series of sessions was focused on the domain of Cybersecurity. The sessions were handled by Mr. Satish Kumar, Alumnus of iQube and Mr. Hariprasath, Level 3 member of iQube. This session for the Freshers covered the basics in Cybersecurity and overview of Hacking.



KiC: SESSION ON ROBOTICS

15-06-2021 | SESSION | ONLINE

A couple of sessions happened in KiC's Robotics domain where basics of robotics to the software used and concepts of ROS were explained. These sessions were handled by Mr. Kaviarasu, Alumnus of iQube and Mr. Mugundhan of Level 2 iQube.

YOGA FOR IMMUNITY BOOSTING

21-06-2021 | SESSION | ONLINE

On the occasion of International Yoga Day, iQuberz and KiCians were virtually connected for daily WFH yoga exercises, stretches and were

given insights on yoga for boosting immunity in the battling situation of Covid.



KiC: SESSION ON AUGMENTED & VIRTUAL REALITIES

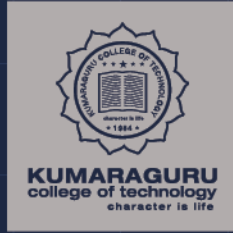
23-06-2021 | SESSION | ONLINE

A session on AR and VR was handled by Mr. Surya of Level 1 in iQube, explaining the concepts behind AR and VR, what is fascinating about this tech and what took him into the field of Game development.

KiC: SESSION ON PRODUCT MANAGEMENT

26-06-2021 | SESSION | ONLINE

A series of sessions were conducted on the domain of Product Management to KiCians. A brief introduction to the role was given by Ms. Sanju Vikashni, one of the Senior Product Managers of iQube, and another session on Agile methodology and tools used by PM were handled by Ms. Fatima and Mr. Gokul, Junior Product Managers of iQube. The final session on this domain on Team Management was handled by Mr. Suganthaseelan, Alumnus of iQube.



KNOWLEDGE CHARACTER TRANSFORMATION

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