



KUMARAGURU
college of technology
character is life

NEWSLETTER COMPUTER SCIENCE & ENGINEERING **SILICON MAGIC**

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Department Association Inauguration 2019



The inauguration Ceremony of the Computer Science and Engineering Association was the most awaited event of the day 19th September 2019 which took place at Sir.C.V.Raman Seminar Hall, Mahalingam Vigyan Bhavan. Mr. Vinod Kumar Manokaran, the chief guest of the event is a proud KCT alumni, with over 17 years of professional experience having served with IT giants like Infosys and Cognizant. Currently he is employed as a senior project manager at Cognizant Technology Solutions. Followed by the chief guest's astounding speech, Sri Shankar Vanavarayar, Joint Correspondent of our institution addressed the audience.



DST-NIMAT SPONSORED ENTREPRENEURSHIP AWARENESS CAMP



Dr.J. Cynthia, Prof & Head ,CSE department has received a fund of Rs.20,000/- from DST to organise Entrepreneurship Awareness Camp. This Camp was conducted by the Computer Science Department between the 4th and 6th of December 2019 with the participation of over 50 students from various colleges. A Three day Camp was organized for participants to learn about the principles, tools, and techniques of design thinking, and their application in Problem-identification-definition- validation, Customer discovery, and MUP ideation by providing them access to real-world challenges.

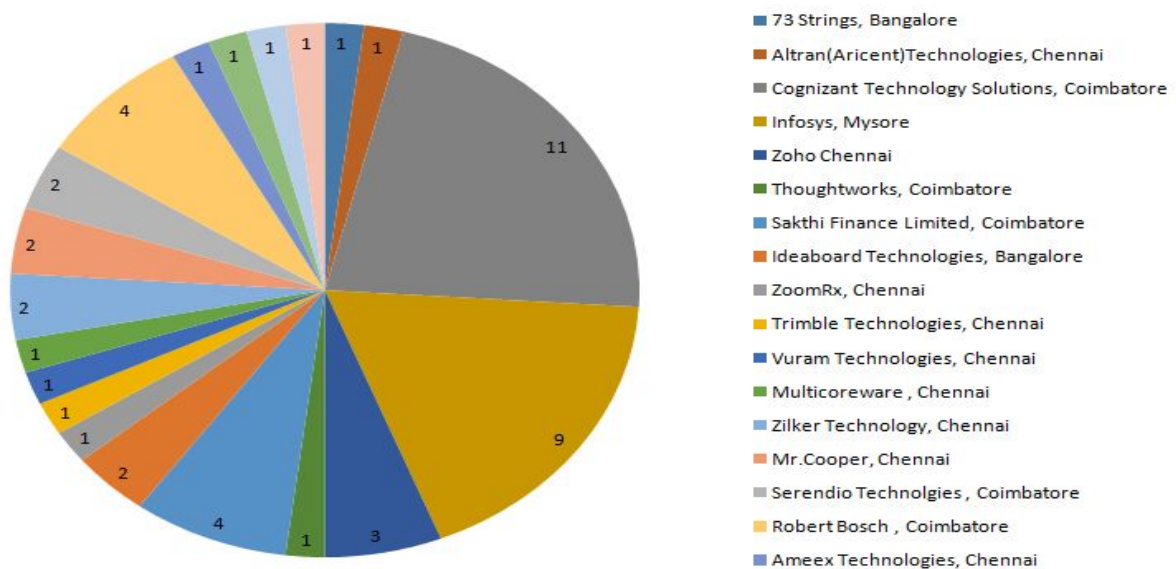
Faculty Coordinator:

Dr.J. Cynthia HoD/CSE,Mr.G.Kanagaraj AP/CSE & Mr.V.Senthilkumar AP/CSE

INDUSTRY INTERSHIPS

To meet the diverse industry requirements, final year students are encouraged to apply for internships in various industries. Nearly 50 students have been offered internships from various reputed industries with a stipend ranging from 10k to 25 k per month during June to December 2019.

Number of Students undergoing Industry Internships: 50



Faculty Coordinator:

Mr.R.Kirubakaran AP/CSE

STUDENT ABROAD INTERNSHIPS

- Three students (Catherine.S.P-17BCS063,Akilan.N-17BCS064 & Balasubramanian.S-17BCS119) from the department of CSE attended the International Students Immersion Program at Swinburne University of Technology, Melbourne from 11th December 2019 to 24th December 2019. They experienced a new dimension in international learning.

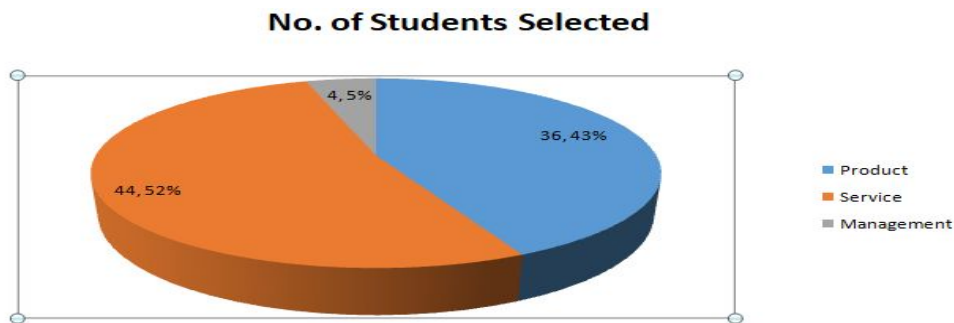


- Two students from the Third year CSE department (J.Sandra-17BCS044 & J.Sherin-17BCS104) attended a one month Internship Program at University of Texas at Dallas on Big data and Machine Learning during December 2019.



STUDENT PLACEMENT DETAILS

- 84 students are offered placement for the current academic year 2019-2020.
- A number of students have also received offers from various product companies as well.



List of Companies:

S.No.	Company Name	No of Students placed	Salary Package per Annum
1	Human Resocia	3	21 Lakhs
2	Thoughtworks	1	8.03Lakhs
3	ZILKER	2	6 Lakhs
4	ZOHO	5	6.5 Lakhs
5	AstraZeneca	6	5 Lakhs
6	Trimble	2	4.3 Lakhs
7	Mr.Cooper	1	7.5 Lakhs
8	Robert Bosch	4	4 Lakhs
9	Ideaboard	1	6 Lakhs
10	Multicoreware	2	5.5 Lakhs
11	Kaladi	2	4.26 Lakhs
12	Trimble	1	5.3 Lakhs
13	TCS	1	4 Lakhs
14	CTS	10	4.2 Lakhs
15	INFOSYS	11	4 lakhs
16	Mu-Sigma	2	5 Lakhs
17	Accenture	25	4.2 Lakhs
18	L& T INFOTECH	3	4 Lakhs
19	ITC INFOTECH	3	4.5 Lakhs
20	Vuram Technologies	1	4 Lakhs
21	Mitsogo	1	4.2 Lakhs
22	Ameex Technology	1	3.9 Lakhs

Total number of B.E./CSE(2016– 2020 Batch) Students placed so far: 84

Faculty Coordinator: Mr.V.Senthilkumar AP/CSE

PROTOSEM

PROTOSEM is a first-of-its-kind program that embeds an innovation centered approach to engineering education, right into the internal core of the engineering curriculum -innovation aimed at engineering tech-enabled solutions for real-world industrial problems.

FORGE in collaboration with the Kumaraguru College of Technology [KCT] has launched PROTOSEM (shorter version for Prototyping Semester), a full-semester curriculum integrated program offered independently by the Incubator. This course has been currently completed by 5 of our 3rd year CSE students[Aravind R-17BCS049, Aishwarya G-17BCS050, Poovika G-17BCS060,Prekshaa Arunachalam R-17BCS097 & Monica A-17BCS204] during their fifth semester. Students ideate, design & engineer permanently deployable/usable solutions with the guidance of industry experts, and validate rigorously the potential of their innovative ideas to become commercially viable products that generate sustainable and profitable revenues.





Outcome of the Program: It instills a higher level of confidence among the students to pursue innovation and entrepreneurship as their primary career path after graduation

Faculty Coordinator:

D.Aswini AP/CSE

EVENTS ORGANISED IN THE DEPARTMENT

SALESFORCE ELECTIVE COURSE BY ICTACT :



ICTACT organised an elective course on Apex and Visual Programming Salesforce for our CSE students between the 22nd -26th of July, 2019. The objective of the course is to provide Hands-on training to provide practice & equip our students on the Salesforce platform and its related technologies. It also guides them to obtain internships in the salesforce partnered companies and prepares our students to get placed in companies applying the Salesforce platform.

Faculty Coordinator:

Mr.S.P.Siddique Ibrahim AP/CSE & Mr.R.Kirubakaran AP/CSE

WORKSHOP ON RED HAT ENTERPRISE LINUX



One day Hands -Workshop on Red Hat Enterprise Linux for 3rd CSE A & B section students was organized by CSE Department on 14th August 2019.

Faculty Coordinator:

Mr.G.Kanagaraj AP/CSE & Mr.V.Senthilkumar AP/CSE

CLOUD LITERACY DAY

The Department of CSE organized cloud literacy day on 2nd November 2019 at KCT campus. It is essential for students to learn the cloud technology skills to equip them on par with industry standards. Cloud Literacy Day is intended to induce self-learning and introduce basic cloud technology skills to all the students. Around 200 students have undergone the course and earned digital badge.

Faculty Coordinator:

Ms.D.Aswini AP/CSE & Mr.S.P.Siddique Ibrahim AP/CSE

INDUSTRY EXPECTATIONS FROM FRESH ENGINEERS :



Seminar on “Industry Expectations from Fresh Engineers” was organised by the Department of CSE for their III year CSE A & B students on 1st October 2019. The chief guest of the day was Ms. Gayathri Aparna Dharmaraj, Principal Consultant, Infosys. Students were divided into small groups and were encouraged to conduct mock interviews based on the skill set identified in students’ Group Discussions. At the end of the session, Ms. Aparna concluded the skill expectations from fresh engineers.

Faculty Coordinator:

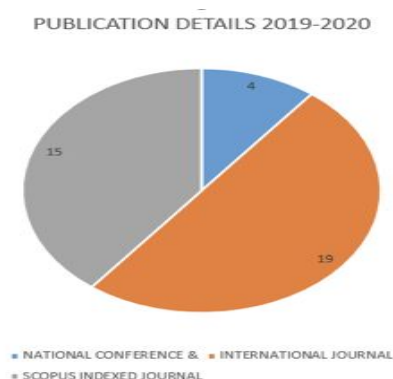
Mr. G. Kanagaraj AP/CSE

PUBLICATION DETAILS :

National Conference and International conference: 04

International Journal :19

Scopus Indexed Journal: 15



FACULTY ACHIEVEMENTS:

AWARDS RECEIVED:

Our faculty members were recognized with various awards for both their academic and administrative potentials displayed at KCT.



Faculty Name	Awards
Dr.M.Suguna	Department Contributor Award
Mr.V.Senthilkumar	Student Development
Ms.X.Francis Jency	Extra-Curricular Activities Award
Mr.R.kirubakaran	Industry Connect
Ms.Syed Ali Fathima	Best Domain Expertise
Ms.K.Saranya	Best Co-Curricular Award
Ms.D.Yamuna Thangam	Engal Aasan
Mr.R.Sridhar	Best Supporting Staff Award

Ph.D. AWARDS :



Ms. Syed Ali Fathima S J AP I, Dept. of CSE successfully completed her Ph.D. viva voce on the research work entitled “A Global Solution for Remote Assistance using Augmented Reality based Post Stroke Upper Limb Rehabilitation Framework” on 19th November 2019 under the guidance of Dr. S. Shankar, Professor, Dept. of CSE, Hindusthan College of Engineering and Technology, Coimbatore.

BEST PAPER AWARD :

- "Multi model Drowsiness Detection System" presented by Ms.K.Saranya Assistant Professor , Faculty of Computer Science, Kumaraguru College of Technology, Coimbatore, India at 2nd ICSTR Bali – International Conference on Science & Technology Research 11-12 July 2019,Ibis Bali Kuta, Jl. Raya Kuta No. 77, 80361 Kuta, Bali, Indonesia. She received the Best Paper Award and also got a Young Research Scholarship.
- "Examination of Healthcare Diagnosis using IOT" was presented by Dr.M.Suguna Associate Professor , Faculty of Computer Science, Kumaraguru College of Technology, Coimbatore, India at 2nd ICAMR, Singapore – International Conference on Innovative & Advanced Multidisciplinary Research during 12-13th October 2019. She received the

Best Paper Award and got her paper published in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-1, November 2019, Scopus indexed journal.



INDUSTRY CERTIFICATION COURSES

- Mr.N.Venkatesan AP II / ISE completed the Red Hat Certified System Administrator Global certified course between 18th November 2019 and 30th November 2019. The training was provided at Sri Krishna College of Arts and Science by Vectrasoft Technologies Pvt. Ltd.
- Mr.U.Thiruvaazhi AP III /CSE has completed the post Graduate Diploma in Data Science and Machine (PGPDM) Learning jointly offered by the University of Chicago and Jigsaw Academy. The program starts with Statistics, spans through data preparation (OpenRefine), R and Python

Programming, Data Visualization (including Tableau), Advanced Data Analytics and Machine Learning.



- Mr.R.Sridhar (Non-Teaching Faculty/CSE) completed the Red Hat Certified System Administrator Global certified course between 18th November 2019 and 30th November 2019. The training was provided at Sri Krishna College of Arts and Science by Vectrasoft Technologies Pvt. Ltd.

ONLINE CERTIFICATE COURSE

- Dr.J.Cynthia HoD/CSE completed NPTEL Online Course Certification on “Blockchain Architecture Design and Use cases” in October 2019.
- Dr.K.R.Baskaran Professor/CSE completed NPTEL Online Course Certification on “Deep Learning Part-I” in October 2019.
- Dr.N.Suganthi Professor/CSE completed NPTEL Online Course Certification on “Blockchain Architecture Design and Use cases” in October 2019.

- Ms.R.KalaiSelvi AP III/CSE completed NPTEL Online Course Certification on “Blockchain Architecture Design and Use cases” in October 2019.
- Dr.N.Suganthi Professor/CSE completed NPTEL Online Course Certification on “Ethical Hacking” in October 2019.
- Ms.D.Aswini AP/CSE completed Online Course Certification on “Python 101 for Data Science” in July 2019.
- Ms.S.Uma Maheswari AP/CSE completed Udemy Online Course Certification on “Agile Methodologies” in July 2019
- Ms.N.Jeba AP/CSE completed Online Course Certification on “Interfacing with Raspberry Pi” in July 2019.

WEBINARS

- “Digital living 2030 using AI” was presented by Prof.Irad Ben-Gal Head, Laboratory of AI Machine Learning Business and Data Analytics (LAMBDA), Tel Aviv University, Department of Industrial Engineering on 24th September 2019 for 40 students at Data Analytics and Cloud Computing Laboratory, Dept. of CSE, KCT.
- “From Bats to Robotics” was presented by Prof. Yossi Yovel Associate Professor, School of Zoology and School of Neuroscience, Tel Aviv University, Israel on 27th November 2019 for 60 students at Data Analytics and Cloud Computing Laboratory, Dept. of CSE, KCT.
- “Theory and Practice of Deep Learning” was presented by Prof.Amir Goberson Associate Professor, Tel Aviv University, Department of

Industrial Engineering on 9th January 2020 for 35 students at Data Analytics and Cloud Computing Laboratory, Dept. of CSE, KCT.

STUDENTS ACHIEVEMENTS

KCT Autonomous Campus Utility Vehicle

The following III year CSE students have done an interdisciplinary real-time project in collaboration with KCIRI along with Mechanical and EEE students. 20 KCT students from various departments have achieved a major milestone in making our Golf Cart driverless remotely driving it as a major achievement towards the development of KCT Autonomous Campus Utility Vehicle.

Project :Kumaraguru Autonomous Campus Utility Vehicle

Members from CSE:

1. Arjun T (17BCS078)
2. Mohankumar (17BCS066)
3. Naveen Kumar C (17BCS068)
4. Bhuvana P (17BCS084)
5. Srimathi S (17BCS121)
6. Kaviyasri S (17BCS105)
7. Aswini M (17BCS107)



SMART INDIA HACKATHON

The team from KCT and KCT Business School, 'SANGILI THALAVAADAM ' emerged winner at Smart India Hackathon 2019 in nodal center SRM Institute of Science and Technology, Chennai. The team bagged a cash prize of 1 Lakh for their innovative idea on Smart Retail Technology which they developed for one of the world's largest conglomerate - Hindustan Unilever LTD.

The team consisted of a balanced mix of Tech geeks of KCT and students from KCT Business School. The power-packed team is Divya R – IT, Siddharth Saran M –CSE, Surya P - CSE, Kaviarasu K – MBA, Ramkumar V – MBA & Sriram Anax - MBA.

They developed a product to address the problem statement given by HUL which can understand the customer journey and shopper emotions towards products at big retail shops so that it can help the company to forecast sales and help in new product development.

Tech used: Sentiment analysis, Object identification, sensors, dashboard, etc.



Rural Innovator Startup Conclave 2019 (RISC2019)



Venue: National Institute of Rural Development and Panchayati Raj, Hyderabad

Name: Ajaykumar GP

Focus Area: Health & Elderly care

Proposal Title: Non-Mydriatic Diabetic Retinopathy severity analysis using Digital superintelligence

Innovation Abstract: The proposed idea is a deep learning-based diabetic retinopathy screening device for medical professionals to assist/enable rapid screening of the patients with a minimum error rate. This device will be used to detect the presence of the damaged blood vessel in the light-sensitive tissues of the retina by reducing the screening time by 90%, by using special illumination system and manual dependency at a proposed ratio of 8:1 along with a retinal

abnormalities detection accuracy of 95% by Deep learning system to overcome manual visual retinal analysis.

ZONAL LEVEL WINNERS



E. Ashwin Kumar - 18BCS107 and J Dhakshitha -18BCS114 of Second year CSE Students participated in various Badminton Tournaments and won several titles including Anna University zonal level tournaments on 29th August 2019.



Ahalya Bharathi-18BCS204 of Second year CSE along with her partner won a Gold Medalist in Anna University Women's Boxing Championship.

OTHER EVENTS



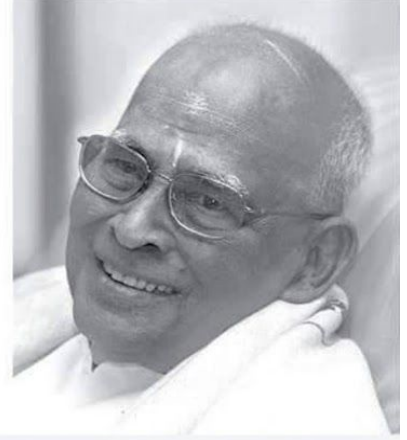
Farewell for Principal Dr.J.Senthil Jayavel on 12th October 2019



Mr. Srikanth Subramani, Business Development Manager - UK & Ireland, Tata Consultancy Services Ltd, 2, Derry Street , London - W85TT, Mr. Prakash, IT Manager, Intersog, Chicago, USA, Mr.Aswin, Agile software Engineer, CTS, Chennai, Mr. Vinod, Senior consultant, TCS, Coimbatore, interacted with students on “current industry scenario” on 6th August 2019.



வணங்குகிறோம் வழிநடப்போம்
உங்கள் வாழ்க்கை - எங்கள் பாதை



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