NEWSLETTER

Computer Science & Engineering

Silicon Magic

progress designing web languages inspire knowledge events analysis fun mining sports coding information students quality achievements global develop gstudents growth data **experience** OMP RSCI ity courses placements degree creativity career new solutions awards learning se rc explore challenge vision interns

Presidential Address

Gopinath D

The President
CSE Department

Dear readers,

The past year has been really great for our department. Things have changed greatly since i came to KCT in (2014).

Apart from the physical shift in location, there has been active mobilization in the Computer Science & Engineering Departmental Association (CSE- DA) by conducting events based on the technical and cultural interests of the students. In the forth coming months, the department association would be working on conducting events and workshops for the betterment of the students, staff & non-teaching staff of our department. With the purchase of new high end PCs & Virtual Reality (VR) technologies, we will strive to develop ourselves holistically. We also hope to set up a student workspace for our department where anyone from our department could learn and use technologies 24 x 7 x 365! I sincerely believe that the current set of members in my team. The current second years & third years would do amazing work to and for the department and KCT as a whole. Looking forward to the great opportunities in the future, I welcome you to the pages of the department's newsletter!

Department Association Inauguration

The School Of Computing organized the inauguration of its department associations on 30th August 2017 at the Ramalinga Adigalar auditorium. The chief guest for the event was Mr.Krish Murali Eswar, the CEO of Shelltrex Housing Pvt,Ltd. who motivated the gathering by sharing his experiences in life.

Mr.Gowtham Mohan, the Co-Founder of AMS Game development was the special guest who gave an insight to the students about Gaming, App Development and Virtual Reality.

The members of the association were introduced and the plan for the improvement of the department was discussed.

Association Coordinator : Mr.R.Kirubakaran

TalkShop

A weekly talk series initiated by the CSE Association where a new topic related to technology and computers is introduced every week .The Pilot episode was initiated on 10th October 2017.The topic for the week was 'GIT' handled by Surya Shankar P of II year, CSE department.

PROTOSEM

PROTOSEM is a first-of-its-kind program that embeds an innovation centred 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] launched PROTOSEM (shorter version for Prototyping Semester), a full-semester curriculum integrated program offered independently by the Incubator. This course is currently completed by 5 of our 3rd year CSE students in the 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 creates a higher level of confidence among the students to pursue innovation and entrepreneurship as their primary career path after graduation.

Faculty Coordinator
Ms.D.Aswini

Sumanth	Varsha	Kowsalya	Manju	Santhosh
PS17023	PS17019	PS17021	PS17020	PS17022

One Credit Courses

Programming Arduino and Raspberry Pi using Python

These sessions were organized to gain basic knowledge in IoT and hands on experience in using Arduino and Raspberry Pi. Introduction to python programming on interfacing Arduino and Raspberry pi with various sensors were given as practical sessions. Twenty four students from our department opted for the course. The sessions were conducted on 20th and 21st of July 2017.

Faculty coordinator :
Ms. D.Aswini , Ms.C.Bharathipriya , Ms.X.Francis Jency

Enterprise Application Design & Development

An enterprise application design and development course was conducted on the 21st and 22nd of August for the second, third and the final year students. Ms. R. Kalaiselvi was the event co-ordinator. Mr. Vigneswaran Paramathayalan, and Mr. S. Sabarish sudhan from Cloud Bull were the resource persons. Ninety two students CSE department were benefited through this .

Faculty Coordinator :
Ms.R.Kalaiselvi,Dr.G.S.Nandhakumar

Virtual Reality

The objective of the workshop was to introduce students to the world of Virtual Reality and to ignite their minds on how virtual reality can be used to solve real life problems. The students were given Google cardboard as a take away to explore the world of virtual reality.

Faculty Coordinator :
Ms.S.J.Syed Ali Fathima , Ms.K.Saranya

One Credit Courses

OOPS in Java

An Object Oriented Programming in Java was conducted on 25th September 2017 and 26th of September 2017. Mr. Mohanraj Jagadesan, Corporate Trainer was the resource person. It was conducted to equip students with basic programming skills in Java.

Faculty Coordinator :
Ms.D.Sathya , Ms.P.Betty

Zoho Creator

ITKESPL is an Authorized Training Partner of ZOHO . Zoho Creator is a tool that can help rethink the way traditional businesses are run and they also provide internships, job oppurtunities, ZCCA Appathon contest, etc. About forty five students from our department were a part of the training. One Credit courses were conducted from 12th october 2017 to 14th October 2017.

Faculty Coordinator:
Mr.V.Senthilkumar,Ms.G.shobana,
Ms.M.Suguna, Ms.D.Yamunathangam

One Credit Courses

Webpage Development

A webpage development course for the final year students was conducted using the PHP Laravel Framework on 15th November 2017 and 16th November 2017. Mr. Mohanraj Jagadesan was the resource person for the course.

Faculty Coordinator:
Dr.L.Latha , Ms.V.Sudha

EMC–BIG DATA

EMC Corporation is an American multinational corporation that sells data storage, information security, virtualization, analytics, cloud computing and other products and services that enable businesses to store, manage, protect, and analyze data. A one credit course on Data Science & Big Data Analytics was conducted in the month of September 2017.The course was split into two batches. Big data analytics helps organizations harness their data to identify new opportunities

Faculty Coordinator :
Dr.D.Chandrakala , Mr.S.P.Siddique Ibrahim,
Mr.V.Senthilkumar , Ms.S.Nithya
Roopa, Ms.R.Kalaiselvi

Professional Elective to Enhance employability

Employability Enhancement Program a three credit course is offered as placement elective for CSE students during the 6th semester.

E-Archive System

Archiving is one of the predominant job of all which includes the successful stores and inventions of many. Hence this plays a very important role in all our audits to verify the told stories of all the winners with its essential content. This content management is a very tedious work which involves time, cost and reem of papers. To address this a CSE team decided to automate the archiving with the available resource without much investment of cost and time in spite of their busy schedule. The invention was to efficiently maintain a cloud oriented E archiving System for recording faculty and student achievements built using our Google form and sheets only. This system is in use at the department for the past two years serving data as and when required and this system has also helped in catering our entire audit till date with necessary documents maintaining the paperless environment.

Developed By: Ms.S.Uma Maheswari

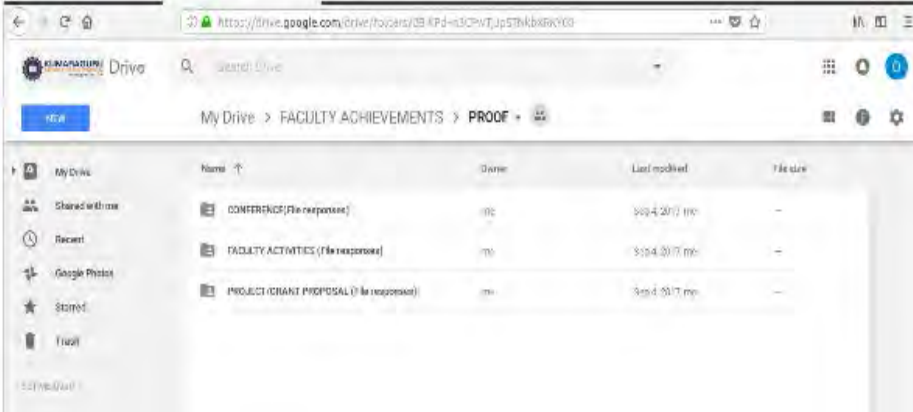The workflow of the system is as follows.

CSE – KCT.IRI–Industry Connect

CSE Department and KCT.IRI have been working together to bridge the Industry – Academia gap by giving opportunity for faculty and students to work on real time projects. Seven real time projects were under taken with Project involving 34 students and 7 faculty mentors for General Motors (GM) Bangalore, Palayamkotai Prison and other small scale industries. Two students were offered internship at GM, Bangalore with a stipend of Rs. 20,000/-

S.No	Project Title	Industry	Project Manager	Faculty and Departments
1.	Smart Billing Application	TNPD, Palayamkottai	Mr.M.Abishek	Ms.S.Nithya Roopa,CSE Students of CSE,IT
2.	Smart Card for Prison	TNPD, Palayamkottai	Mr.M.Abishek	Ms.V.P.Sumathi,CSE Students of CSE,IT
3.	Prison escape detection and warning system	TNPD, Palayamkottai	Mr.M.Abishek	Dr.J.Cynthia, Ms.C.Bharathipriya,CSE Students of CSE,IT,ECE
4.	Project database Mgt Tool Upgradation	GMTCI,Bengaluru	Ms.J.Vinushya	Dr.J.Cynthia, Ms.S.Uma Maheshwari,CSE Students of CSE,IT
5.	Weaver production Receipt application	Shanmuga Txt,Erode	Mr.M.Abishek	Ms.X.Francis Jency,CSE Students of CSE,IT

S.No	Project Title	Sponsor/Industry	Project Manager	Faculty and Departments
1.	Development of Autonomous Power Tiller	KCT/Industry TBI	Mr.M.Abishek	Ms.S.Uma Maheshwari,CSE and Students of CSE,Mech

Project database management visit to General Motors , Bengaluru

Autpot Computing Model

Student Internships

Academic Internship

The Global Academic Internship Programme offered at NTU, Singapore is a 21 day exclusive training program for students from various institutions across the globe. The programme introduces the theory and application of neural networks in Big Data Analytics. The students are exposed to solving problems and are assessed based on their performance. The entire programme is delivered at NTU Campus . Technical training has been given to the students from HP and NUS. They received certificates on Big data Analytics using ANN.

Our department students, Sachin.V (2nd-Year), Priyanka.V (4th-Year) and Vishnupriya.R (4th-Year) opted for this programme. The training was from 16th december 2017 to 6th january 2018.

INDUSTRY INTERNSHIPS

To meet the industry requirements,final year students are encourage to do internships in various industries. Nearly 53 students have been given internship offers in various reputed industries with stipened ranging from 10k to 50k per month.

Ramprasad S
(General motors)

Riniik Aravinth V
(Amazon)

Siddhartha R
(General motors)

Sruthi R
(Amazon)

Number of Students undergoing Industry Internships : 53

Name of the Company	No of students selected
Amazon	3
Bosch	2
ZOHO	4
360 Coders	3
Ndot Technologies	2
NTU	2
MQ Spectrum	1
Renault Nissan	1
Newgen	1
GENESYS	2
Ninjacart	3
Fine Mind	2
Ajirasoft	1
Unmetric	1
Cavin Solutions	1
KLA Tencor	1
General Motors	1
Indus Novateur Softech Pvt Ltd	1
Firebrand	1
Ugam Solutions SEZ	3
Hire Happi	3
NSM Services	1
Thoughtworks	1
Shloklabs	1
Sirius	1
Elinto	1
TouchWizard	1
Admonk Technologies	3
Jaganaath Textiles Ltd	1
Byju's Learning App	1
Placement Season	1

Student Placement Details

- 65 students are placed within the mid of the final year.
- Many students have received offers from product companies.

Adharsh R
Ajira Technology
7.2 L / Annum

Akshaya V
Odessa Technologies
5.5 L / Annum

Nandha Kumar S
Itron
4 .5 L / Annum

Sanjay S
Robert Bosch
4 L / Annum

Total number of students placed:65

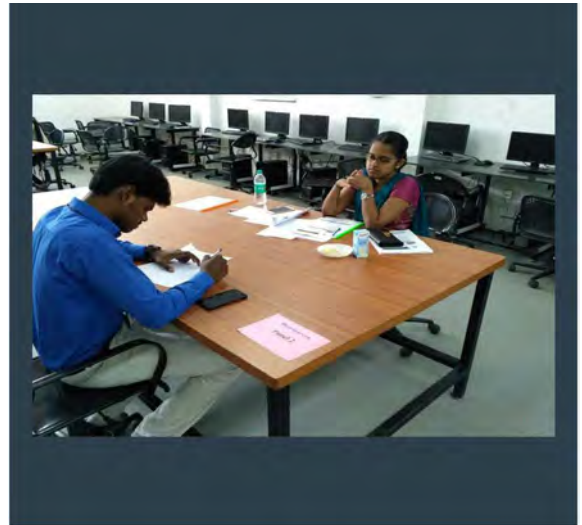| Company Name	No of students placed	Product /Service/Management
Sirus Computer Solutions	1	Product
Robert Bosch	6	Product
Odessa Technologies	1	Product
Ajira Tech	1	Product
Ugam Solutions	3	Product
National Star	1	Product
Whirl Data	1	Product
Amphisoft	1	Product
Placement Season	2	Product
Owler	1	Product
Genesis	2	Product
Astrazeneca	1	Product
ZOHO	1	Product
Accenture	21	Service
Mu – Sigma	1	Management
Newgen	2	Product
Torry Harris	3	Product
Cogzidel Technologies	1	Service
360 Coders	3	Service
MQ Spectrum	1	Product
Tismo Technology	1	Product
Ndot Technologies	2	Product
Itron	3	Product
Decipher	1	Product
MindTree	1	Service

Placement Coordinator : Mr.V.Senthilkumar

Career Building

Mock Interview

Placement Mock Interview for all Final Year Students was held on 2nd Septemeber 2017. Out of 126 students, 115 students [IV CSE A & IV CSE B] attended the mock interview, which was conducted by inviting CSE department alumni from Robert Bosch, ZOHO, CTS,etc.

Faculty Coordinator :
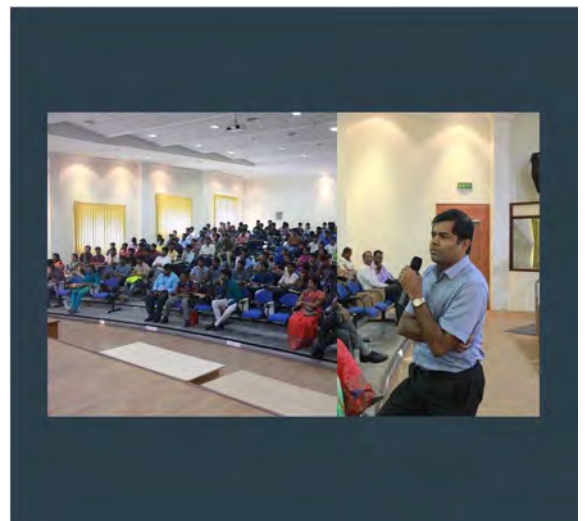Mr.V.Senthilkumar

Resume Building

In order to help Accenture Recruitment, our CSE Faculty members conducted Resume Building for all final year students on 13th September 2017. The faculty members acted as panel members and guided the students technically to face the interview.

Faculty Coordinator:
Mr.V.Senthilkumar
Mr.S.P.Siddique Ibrahim
Mr.R.Kirubakaran
Mr.G.Kanagaraj

Career Awareness Program

Career Awareness Program was conducted for the CSE,IT- Second Year Students and MCA- First Year Students by the final year students, Alumni and Industry Vendors on 25th October 2017. It gave aclear idea about various oppurtunities. It gave a clear idea about various oppurtunities like placement,higher studies,research activities and entreprenuership.

Faculty Coordinator :
Mr.V.Senthilkumar

Research Activities

RooT

This inaugural RooT Research Talk, which was also merged with the "Demystifying Information Security" workshop, which is again a fresh initiative from the Forum of Information Utility, Security and Privacy (USP), initiated with the support of KCT Management. This initiative is aimed at nurturing the roots of research at KCT. To start with the RooT talk is typically scheduled on alternate working Saturdays for computing faculty.

Faculty Coordinator :
Mr.U.Thiruvaazhi

ISTEP and PALS

ISTEP 2017 inauguration was held at KCT on 18th August 2017. ISTEP 2017 is a platform for our faculty members to present technical papers in SCOPUS, WOS, ICI indexed journals with the financial support of the Management. About 15 research papers were presented in the Conference by the CSE faculty and they were also published in 2 journals namely, IJPAM and JARDCS
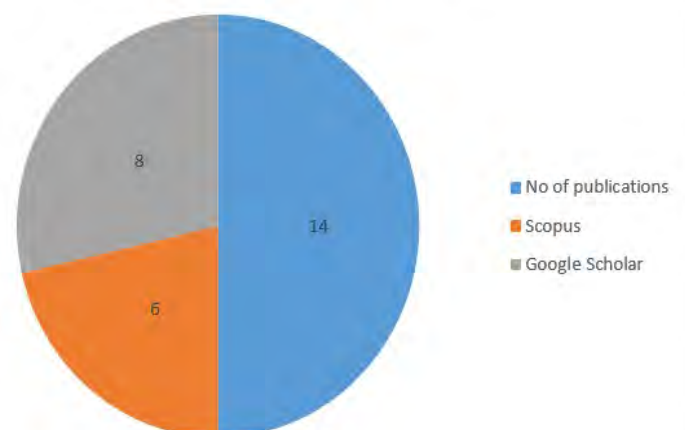

Publication Details
Journal Publication with Scopus Index: 06
Journal Publication by faculty: 14

CSE Publication Details

- No of publications
- Scopus
- Google Scholar

8

14

6

MOU's and Academic Alliance

RIT

The Memorandum of Understanding (MoU) between Rochester Institute of Technology (RIT), Rochester, New York, U.S.A and Kumaraguru College of Technology (KCT), Coimbatore, Tamil Nadu, India . The following activities are planned and few are in progress:

- Joint student UG project using GENI real time testbed - October 2017 to March 2018
- Discussion on a 2 + 2 joint program /degree where students will complete the first two years in KCT and the last two years in RIT. They will get a degree from RIT and may also get a degree from KCT.
- Research Collaboration and Publication
- Student Internship Collaborating on IEEE Loop free and society working group activities.
- Applying for Joint Funded Proposal
- Faculty /Student Exchange Program

ICTACT

The Department of CSE has initiated to receive ICTACT membership in this academic year. ICT Academy is an initiative by the Government of India in collaboration with the State Governments and Industries. It focuses on improving the quality of the faculty and the students to make them industry ready and employable in the industry. ICT Academy along with the Oracle Academy and EMC Corporation, supports our faculty members and students by providing in-house training content, trainers, software, e-learning sources, curriculum and books.

Faculty SPOC :
Dr.D.Chandrakala

ICT ACADEMY
Innovate... Collaborate... Educate...

Department Outreach Programs

School Outreach Programs

To impact awareness about the effective usage of computer applications and e-services among the school students at Chinnamettupalayam, Coimbatore. The importance of the MS-Office applications and hands-on session is also given which made them confident enough to use it.
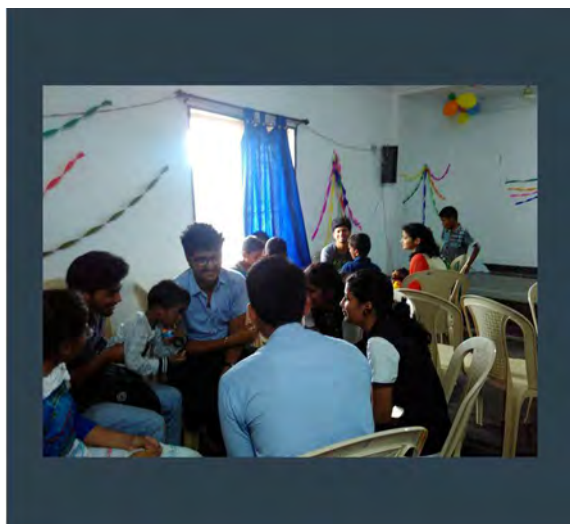
Faculty Coordinator:
Ms.D.Sathya
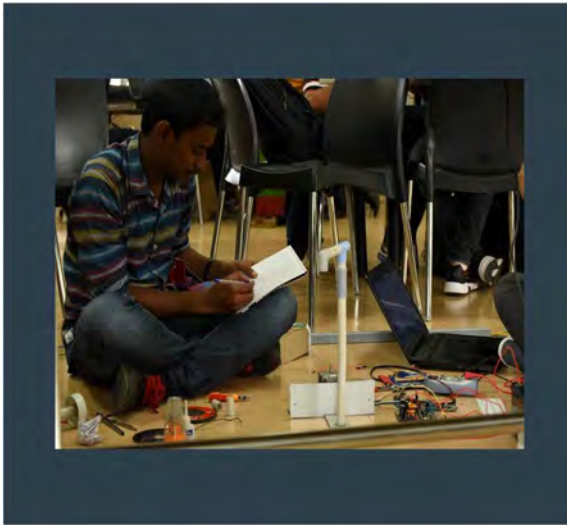Ms.P.Betty

Faculty Delivering Lectures in various Instituitions

S.No	Name of faculty	Topic	College	Month
1.	Ms. D. Aswini Ms. X. Francis Jency	IOT using Arduino	Jeppiar Engineering College	July 2017
2.	Ms. V. P. Sumathi	Workshop on IOT using Arduino Programming	Jeppiar Engineering College	August 2017
3.	Ms. N. Jeba Ms. V. P. Sumathi	Embedded system design using raspberry Pi	Sri Venketeshwara College of Engineering	October 2017

Orphanage Visit

The CSE department association went for an orphanage visit on 14th October 2017 with students and faculty rendered benevolent services.
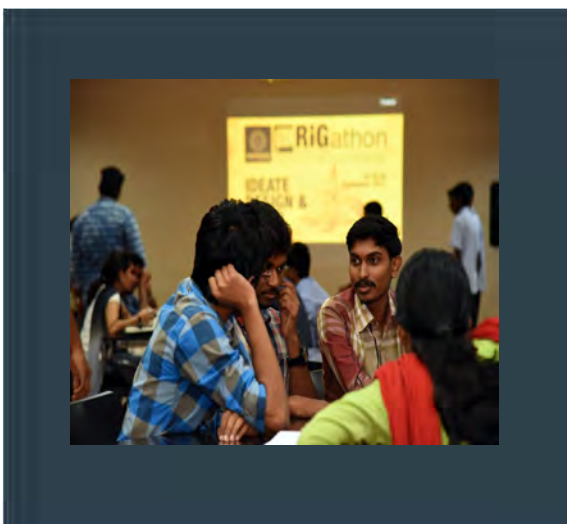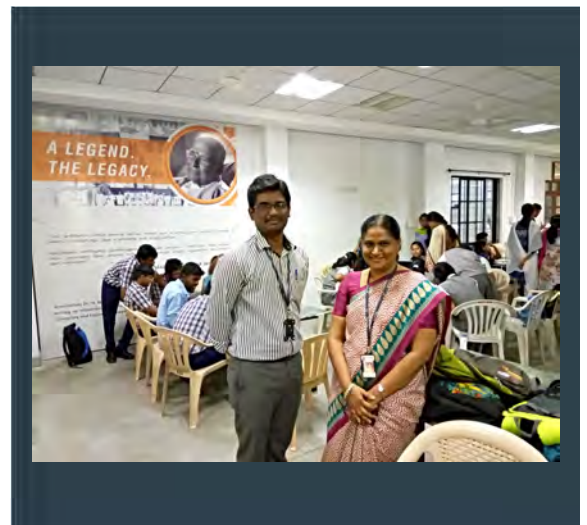
Hackathons organized by the Department

Dover Think–O– Fest

Dover organized a 24-hour hackathon called the Think 'O' Fest. There were around 150 participants from PSG, VIT and participants from KCT and CSE faculty mentored their teams. A total of 24 teams out of which 21 students from the Computer Science department took part in the fest. Eleven teams made it to the final round. Each team was given a problem statement for which they were asked to find a solution using concepts of Augmented Reality, IoT and Robotics.

Climathon

Climathon 2017 was a 24-hour hackathon that brought together the creative young minds to understand and create solutions for the regional issues owing to the climate change and source factors that need immediate attention. Our college with guidance from the government sectors and nongovernmental organizations had taken up this step towards Climathon for the first time in Tamil Nadu and CSE faculty mentored their teams.

RiGathon

RiGathon is the first of its kind hackathon by the RiG team in KCT. The main motive is to enhance the culture of Hackathon within KCT and to build the urge to compete in such tech events among KCTians. In this 48-hour RiGging, we established brainstorming sessions, in that it is all about results and jump-starting a way of working, not just stopping with idea generation.

Infosys DDFEP

In connection with Infosys Campus Connect program, CSE department, School of Computing organized a five day "Deep Dive Faculty Enablement Programme on "Internet of Things" from 11th september 2017 to 15th september 2017. Twenty one colleges from different states took part in the programme and 51 faculty members participated .

Faculty Coordinator :
Mr.G.Kanagaraj , Mr.S.P.Siddhique Ibrahim
Mr.V.Senthilkumar , Mr.R.Kirubakaran

Event organised in the Department

Parents Meet

The Department of CSE organized the Parent -Teacher Meeting for the odd semester on 28th October 2017 for II ,III and IV years and on 04th November 2017 for I year in Admin Block seminar hall from 2:00 pm - 4:30 pm.

Independence Day Events

The 71st Independence day programs starts off with flag hoisting and drill by NCC Cadets. We conducted many events.

The events were

1. Extempore
2. Content writing
3. Independence day quiz
4. Art events
5. Search for water
6. Humour showcase
7. Tamizhodu Vilaiyaadu .

Faculty Achievements

Awards received

Our faculty got recognized for their work at KCT. They also participated in other college events and were awarded for their work.

Faculty Name	Awards
Dr.J.Senthil Jayavel (Director/SoC)	Excellent use of Social Media and Digital tools in Pedagogy
Dr. J Cynthia (HOD)	IASTE excellence in teaching and research Award- 2017
Ms. S. Nithya Roopa (Assistant Professor)	Bronze Award Level Certificate from Infosys Campus Connect for the academic year 2017[Recognition /Award-State]
Mr.V. Senthil Kumar (Assistant Professor)	
Mr. R. Kirubakaran (Assistant Professor)	

S.No	Faculty Name	Award Name
1.	Dr.P.Devaki	"Best leadership award, Silver(25 years of service)"
2.	Dr.V.Vanitha Dr.D.Chandrakala Ms.S.Rajini Dr.L.Latha DR.J.Cynthia	"Crystal(15 years of service)"
3.	Dr.D.Chandrakala Ms.R.Kalaiselvi	"Special recognition for setting up industry and related laboratories"
4.	Mr. S.P.Siddique Ibrahim	"Engal Aasaan"
5.	Ms. V.P.Sumathi	"KCT – Best Academician"

Student Entrepreneurs on campus

HARI PRAKASH N Final Year CSE A

Work Domain:

1. Maintain all the money transfers in the office.
2. To reconcile the bank statements.
3. To maintain the creditors ledger.
4. To learn about the GST, HSN code.
5. In addition the E-Way bill will be added to my work since its going to be mandatory from 1st of Feb 2018

SANJAY S Final Year CSE B

Work Domain: Namma café

1. Manages finance and accounts
2. Takes care of the human resources
3. Will deal with the vendors and manages the overall costing of the products

VISHNU VYSHAG.S Final Year CSE B

Work Domain:

Sales and service of electronic products like TV,Mobile phones,home Theatre's and AC. All imported goods with warranty and GST bill.

AAKASH T Final Year CSE A

Work Domain:

Founder of Nigal.Nigal is a videography in-house start up.

RINIK ARAVINTH V & SUDARSAN N

Final year CSE B

Work Domain:

MYKARD: A discount card which gives various benefits to the card holders in the name of "discounts and loyalty points". We have tied up with more than 50 shops in and around Coimbatore to serve our customers. The price of the card is just Rs.250.00 along with a mobile app.

Student Achievements

KICS'17

KICS'17 was an inter college sports event that was conducted in the month of August. The Women's Hockey team won the third place in the KICS'l7 tournament. Shivaranjani, the team captain, from the Final Year and Tharangini from First Year of the CSE Dept were a part of the winning team.

Boxing

In the Anna University Boxing tournament at our college from 12th Nov 2017, Ajai. R of 2nd year CSE has won the third place. He is a National level boxer and has also won various other tournaments.

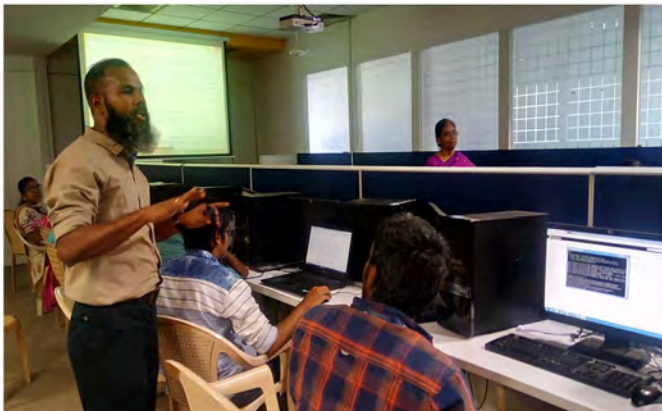## Tamil Nadu Skill Summit –2017, Coimbatore District Award

Computer Science Engineering' team - Sruthi R & Shanmugpriya T, mentored by Mr. R. Kirubakaran, KCT, won Second Place in Electronics & Information Technology stream

Glimpses of Various Alumni Events

Alumni Meet

Alumni interaction on Agile, Devops, Infrastructure Management and Tools

அய்யா

வணங்குகிறோம் வழிநடப்போம்
உங்கள் வாழ்க்கை – எங்கள் பாதை

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KCT
Yugam
2018

WEARE**BACK**
WEARE**NEW**

kctyugam.com