CODERS CONNECT

DEPARTMENT OF COMPTER SCIENCE & ENGINEERING

DEPARTMENT MAGAZINE

	Awards & Recognitions	

- AICTE – CII Survey – One among top 65 institutions under CSE & Allied Category

- 5 Teams Shortlisted for finals in Smart India Hackathon 2018.

- Project titled "Hi-Qual Water Surveillance System" shortlisted for the fund **Rs.3, 12,000.00** from AICTE.

- Winner Smart City Challenge 2017

Name of the Faculty	Award received	Awarding organization	Date & Venue
Dr. M Krishnamurthy	Dedication in Teaching	Lions Club of India, Anna Nagar, Chennai	9 September 2017
Mr. Praveen Joe I R	Excellence in Leadership Award	District 82,Toastmasters International	16 April 2017 &SwarnaSudrashan Mahal Nanmangalam,Chennai
Mr. Praveen Joe I R	Advanced Communicator –Gold	Toastmasters International	10, August 2017, Rancho Santa Margarita, CA
Dr. R Dhanalakshmi	Marina Research Lab	Dr. Abdul Kalam Award for Teaching Excellence	December 17

	Training	

- Two periods for each pre-final year batch on : Interview Skills, GD, General Aptitude :
  Coordinator Mr. Praveen Joe I R , Ms. Minu Thomas and Dr. M Krishnamurthy.

- Mock Interview for all students:
  Coordinated by Mr. Praveen Joe, Interviewers:Dr. M Krishnamurthy, Mr. I R Praveen Joe, Dr. R Dhanalakshmi, Dr. Poonkavithai. K, Ms.Anitha S

- Resume Writing Workshop and Resume Correction: Coordinated by Mr. I. R. Praveen Joe

VAC & Other Training Programmes Offered by Faculty

Year	Program detail	Duration	Faculty
II	Infosys Certified Python Course	1 Year (3hours in a week)	Ms. Minu Thomas Ms. Minju P George
III	Dell EMC Certified Data Science and Big Data Analytics	1 Year (3hours in a week)	Dr. Sankar. S Mr. Bairavel S Mr. Prabakeran. S
	CISCO Certified Network Associate(CCNA 1 & 2)	1 Year (3hours in a week)	Dr. Dhanalakshmi R Mr. Deenadayalan. T
	CISCO Certified Cyber Security	1 Year (3hours in a week)	Ms. V Hema
II	Soft Skills Training for all second year students across the college	33 Hrs (11 slots)	Mr. Praveen Joe I R

Research Publications

S.No	Name	International / National Journals	International / National Conferences	Total
1.	Dr. Krishnamurthy. M	3	3	6
2.	Dr. Dhanalakshmi. R	1	5	6
3.	Dr. EmilinShyni. C	2	1	3
4	Dr.SelviRajendran.P	3	4	7
4.	Dr. Poonkavithai. K	-	4	4
5.	Dr. Sankar. S	2	3	5
6.	Mr. Cloudin. S	-	4	4
7.	Mr. Praveen Joe. I R	2	4	6
8.	Mr. Bairavel. S	-	1	1
9.	Ms. Minu Thomas	1	1	2
10.	Mr.Vasantha Kumar. V	3	-	3
11.	Ms. Hema. V	-	2	2
12.	Mr. Balaji. A	-	1	1
13.	Mr. Deenadayalan. T	1	-	1
14.	Mr. Rajaganapathy. K	-	2	2
15.	Ms. Tamizhselvi. S P	2	1	3
16.	Mr. Prabakeran. S	2	3	5
17.	Ms. Minju P George	1	1	2
18.	Ms. Soumya. S	-	1	1
19.	Ms. Anitha. S	1	-	1
20.	Ms. Sudha. D	1	1	2
	Total	24	42	66

Faculty as Resource Persons

Faculty as Reviewers for Journals

- Dr. Krishnamurthy. M
- Dr. Dhanalakshmi. R
- Dr. EmilinShyni. C
- Dr.SelviRajendran.P

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- Dr. Sankar .S
- Mr. Praveen Joe I R
- Mr.Vasantha Kumar. V

Faculty Members as External Resource Persons

S.No	Name	No. of Events
1.	Dr. Krishnamurthy. M	8
2.	Dr. Dhanalakshmi. R	5
3.	Dr. Emilin Shyni. C	4
4.	Dr. Poonkavithai. K	2
5.	Mr. Praveen Joe. I R	6
6.	Ms. Tamizhselvi. S P	1

Total Number of Conferences attended by the Faculty : 18

Total Number of Workshops and Seminars attended by Faculty : 59

Total Number of FDPs attended(Internal – 15 & External 8) : 23

Invited Resource Persons

S.No	Name & Designation	Event
1.	Dr. Suria R Asai Associate, Software Engineering and Design, Institute of Systems Science, National University of Singapore.	International Conference
2.	D.P.Kothari, Director Research, Wainganga College of Engineering and Management ,Nagpur.	International Conference
3.	Mr. Rajiv R G,Principal – Technologist, DXC Technology, Chennai	Two Day National Level Seminar on Futuristic Opportunities and Challenges In IoT
4.	Mr.ShabarinathPremlal,Founder, ResPro Labs, Chennai	
5,	Mr. Srinivasan Sundararajan, Technology Advisor,GAVS Technologies Private Limited, Chennai	
6.	Mr. DileepParuchuri, Project/Program Manager, Intel Technologies, Bangalore	
7.	Mr. Ramkrishna Patra, Head-Manufacturing Solutions and IoT, Nokia, Chennai.	
8.	Mr. P Kartikeyan ,Manager-Industrial Engineering &Automation,Nokia,Chennai	
9.	Dr.PadmanabanRamasamy, Director – Eishaa Networks, Chennai	
10.	Mr. Ravi Shankar, Full Stack Developer in Surematics, Mountain View, California	Workshop on RUST Programming (Mozilla Firefox Campus Club)
11.	Mr. Satish Menon, Vice President(Initiatives), Thirdware Technologies, Chennai	International Conference
12.	MrKrithivasan , Principal Consultant, Infosys Ltd, Chennai	International Conference
13.	Mr. Deenadayalan, Group Technical Manager, HCL Technologies, Chennai	International Conference
14.	Mr. Rahul Kaithan, Consultant, Financial Services, Wipro Technologies	Judge, Paper Presentation Contest
15.	Mr. Thirupuvan, Operations Manager, Tata Consultancy Services Ltd, Chennai	Judge, Mini Project Challenge
16.	Mr. Santhosh Thomas, Principal Specialist (Admin and Infrastructure), Syntel Pvt Ltd, Chennai	Judge, Mini Project Challenge
17.	Mr.Gautam Sharma, Founder Sanskaar Academy, CEO, PravaahEvents and Entertainment, Chennai	Thinking on your feet" – Impromptu Speech Training
18.	MrKrithivasan , Principal Consultant, Infosys Ltd, Chennai	Judge, Paper Presentation Contest
19.	Mr. Arulraj, IBM Trainer	PHP Training
20.	MuraliTharan,Director, OSELabs Opensource& Enterprise Labs, Adyar, Chennai.	Open source / Red hat Products and Certifications
21.	Dr.Saraswathi, Associate Professor,	Cyber Forensics Workshop

	SSN College of Engineering, Chennai	
22.	Mr. Pradip Kumar Sarkar M. (Technical Associate and Trainer from TechTrunk Ventures(P) Ltd.Hyderabad	Virtual Reality Workshop
23.	Dr.AngelinaGeetha, Cresent University, Chennai	Visual Analytics for Deep Learning
24.	Mr.BaskarSelavaraj, CEO of LinuXpertSystem,Chennai	Setting up Flipped Class Room using DIGIMAT Digital Learning Platform
25.	Mr. Selvakumar, Infosys Limited, Chennai	Emerging IT Opportunities
26.	Ms.Rajeswari Head Scientific Resources Division, IGCAR, Kalpakkam	IET Sponsored national level seminar on " High Performance Computing
27.	Dr.K.Pratheep Kumar, Assistant Professor,BITS, Pilani	IET Sponsored national level seminar on " High Performance Computing
28.	Dr.P. Ragukumar, Assistant Professor Department of Mathematics Rajalakshmi Engineering College Thandalam, Chennai.	IET Sponsored national level seminar on " High Performance Computing
29	Mr. N Siddarth, Trainer, TechTrunk, Hyderabad.	Two Day Workshop on Self Driving Car

Research Centre / Funding / Sponsors

- Research Centre approval for the department was renewed by Anna University this year and Dr. M Krishnamurthy & Dr. P. SelviRajendran are the two Anna University recognized research supervisors.
- Total Number of Candidates pursuing Ph.D in the research centre : 4 + 4
- Total Number of Faculty members pursuing research in Anna University : 9
- Number of Doctorates in the department : 6

Sanctioned Funded Projects and Sponsors

Funded Project

S.No.	Project	Supervisor / Members	Amount (Rs.)
1	Spreading Epidemic Awareness using Web Crawling and Push Notifications	Dr. R.Dhanalakshmi & 3 final year students	9500.00
2	Cloud based Detection of Glaucoma using Machine Learning	Ms. Tamizhselvi. S P & 3 final year students	7500.00
3	Smart India Hackathon - Healthcare	Dr. M. Krishnamurthy Ms. Minju P George & 10 Third Year Students	45,000.00

Sponsorship

Event	Sponsor	Faculty	Amount (Rs)
International Conference	Vani Institute	Mr. Deenadayalan T	25,000
Smart India Hackathon	Thirdware Technologies	Mr. Praveen Joe I R	45,000

EVENTS ORGANIZED

International Conference on Knowledge based Computing Technologies (ICKCT) 2018

The Second Edition of International Conference on Knowledge based Computing Technologies (ICKCT) 2018 was organized by the Departments of CSE and IT at KCG College of Technology, Chennai on 6th and 7th April 2018. The conference was inaugurated by Dr. D.P.Kothari, Director Research, Wainganga College of Engineering and Management, Nagpur. Dr. Suria R Asai, Associate, Software Engineering and Design, Institute of Systems Science, National University of Singapore was the guest of honour. Delegates from the industry, academia and research scholars from the country and outside the country presented 61 papers and best papers were suitably rewarded. Few alumni of the institute also took part in the programme.

Mini Project Contest

An Intradepartmental Mini Project competition was organized on 3rd March 2018. 27 teams comprised out of 83 students from the third year CSE participated in the event. Mr. Santhosh Thomas, Principal Specialist (Admin and Infrastructure),Syntel Pvt Ltd, Siruseri and Mr.Thripuvan, Operations Manager, Tata Consultancy Services, Siruseri were the jury members. Winners were suitable rewarded with prizes and certificates. All the participants received a participation certificate.

Paper Presentation Contest

A Intradepartmental Paper presentation contest was conducted on 31st September 2017 for the students of 2nd year and 3rd year B.E (CSE). 35 teams each comprising of 3 students submitted their manuscripts and 16 teams were shortlisted (8 from each year).

The shortlisted teams presented their papers before a panel of industrial experts. The following are the details of the judges Mr. Krithivasan Rajagopalan, Principal Consultant - ERP Services, Infosys, Sholinganallur, Chennai Mr. Rahul Khaitan, Consultant, Financial Services, Wipro Technologies, Sholinganallur, Chennai. The event was sponsored by the management and co-sponsored by IET Chapter. Cash prizes, Gift Vouchers

sponsored by IET and certificates were given to the winners and participants received a participation certificate.

Trailhead Students Championship-2018

The "Trailhead students championship-2018" organized by the ICT academy offers an exclusive 24hour learning of modules, comprising of advanced technology topics including soft skills, business, developer, and self development topics, thus enabling the students to apply them as soon as possible. This creates an environment for learning that is speeding up comprehension and application to levels that aren't seen elsewhere. More than 120 Colleges across India participated in this competition.

A Two Day FDP on Visual Analytics for Deep Learning was organized on 21st and 22nd Nov 2017

Hour of Code

The Hour of Code began as a one-hour coding challenge to give students a fun-filled introduction to computer science and has become a global learning, celebration, andawareness event.

It takes place every year during Computer Science Education Week, thefirst week in December (4th to 10th).As a part of social outreach programme, KCG College of Technology had organized the Hour of Code in 11 schools around in Chennai. A team of 9 Faculty fromCSE and IT departments along with 15 student volunteers from various departmentsconducted the programme from Dec 4th to 10th. Around 299 students from 11 schools (13batches) participated in the programme. They practiced

Blockly and Minecraft in onehour.

Git and Github Workshop

A Workshop on Git and Github, was held on 22nd July 2017 in Bill Gates programming lab.

The workshop is organized by the Programming Special Interest Group (SIG). We would like to thank the Management for the support and encouragement rendered.

Virtual Reality Workshop

A Workshop on Virtual Reality was organized by the computer Science and Engineering, on August 18th& 19th, 2017 at Bill Gates Lab. Sixty Nine students of computer Science and Engineering; two students of in Electrical and Electronics Engineering from KCG college of Technology, attended the workshop.

The workshop was led by key resource person: Mr. Pradip Kumar Sarkar M. (Technical Associate and Trainer from TechTrunkVentures(P) Ltd.Hyderabad. The aim of the workshop was to enable the participants to familiar and work on the Unity 3D Application software on their own and understand the Virtual Reality Concepts.

Seminar on IoT

Two departments jointly conducted a Two Day National Level Seminar on Futuristic Opportunities and Challenges in IoT (Internet of Things), under the banner of The Institution of Engineering and Technology. On 21st July 2017,the seminar was inaugurated by Mr.Rajiv R G,Principal-Technologist from DXC Technology,Chennai in the august presence of Dr.G.Prabhakaran, Principal, KCG College of

Technology, Dr.SumathiPoobal, Vice Principal, KCG College of Technology, Dr. M Krishnamurthy, Head of the Department, Department of Computer Science and Engineering, and Dr. J Frank Vijay, Head of the Department, Department of Information Technology.

Two days National Workshop on Art of Programming for the Polytechnic Students

KCG College of Technology, the department of Computer Science and Engineering organized the Two days National Workshop on "Art of Programming" for the Polytechnic Students on

15th and 16thJune, 2017 in the Ada Love Lace Project & Research Lab, Second Floor, Department of Computer Science and Engineering, KCG college of Technology, Chennai. To provide the high quality education and training to the polytechnic students of various disciplines such as Automobile Engineering, Mechanical Engineering, Computer Engineering, etc.

Guest Lecture on P and NP Completeness

A Guest Lecture on P and NP Completeness in Theory of Computation was held on 30th August 2017 in Seminar Hall of our campus.

I would like to utter with utmost thanks to the Management for the support and encouragement rendered. I thank our Principal for the continuous motivation to conduct such guest lecture for knowledge sharing and dissemination. The session started at 10.30 AM with the introduction of the chief guest by Ms. SushmaKumari, III year B Section, Department of CSE. The session was presented by Dr. Emerald Princess Sheela, Queen Mary's College, Chennai.

National Level Seminar on High Performance Computing

Department of Computer Science And Engineering conducted a IET Sponsored National Level Seminar on High Performance Computing on 31st August 2017. Mrs. S. Rajeswari, Head Scientific

Information Resource Division, Indira Gandhi Centre for Atomic Research(IGCAR), Kalpakkam was the speaker.

FDP on Python Programming

This FDP is designed to comprehensively cover the programming concepts in PYTHON which is newly introduced by Anna University in first semester syllabus. This FDP includes hands on session so that it will be a great opportunity for all the faculty those are going to handle the subject for the first semester students to understand the concepts of Python Programming. It will be an outstanding effort to provide a great platform to share the theory and practical knowledge among all.

Workshop on Setting up Flipped Class Room Using DIGIMAT – Digital Learning Platform

A Workshop on Setting up Flipped Class Room Using DIGIMAT – Digital Learning Platform was organized by the computer Science and Engineering, on November 17th, 2017 at M.E Lab. Twenty faculties of various disciplines, attended the workshop. The workshop was led by key resource person: Mr. Baskar Selavaraj, CEO of LinuXpertSystem, Chennai. The aim of the workshop was to enable the participants to familiar and work on the Digital resources and NPTEL videos on subjects in all the engineering disciplines.

AWS Workshop on 19/1/18

Objectives

Students will be able to

i) Understand Objectives of the Cloud Computing.

ii) Know the terminologies in Cloud Computing,(Virtualization, Hypervisors.)

iii) Explain what Cloud Computing is and why we need Cloud, Applications of Cloud and importance of Cloud.

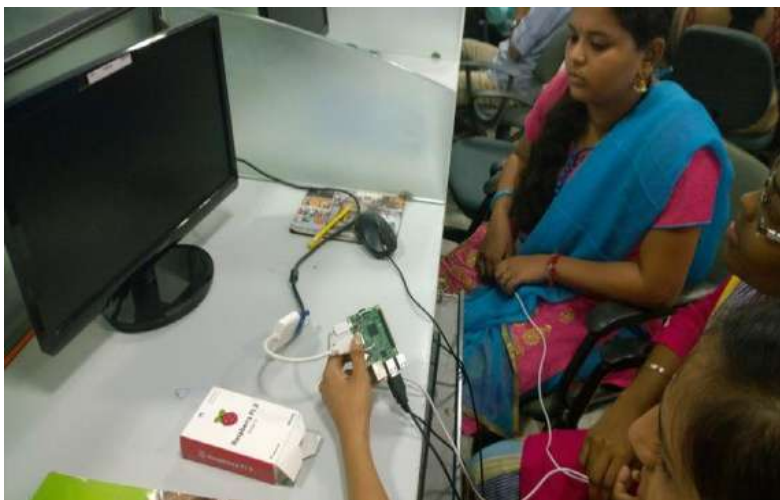iv) List of products and features of Cloud Computing with Mini Project.

KCG College of Technology hosted The **2017 ACM ICPC Chennai Provincial Programming** Contest at Chennai, on 22 September 2017 on 22/09/2017. Registered Teams -103, Accepted Teams – 78, No. of Teams Reported – 73, No of Colleges participated – 13, No of teams who solved at least one Problem -36, Total no of problems – 6 , Duration – 3 Hrs.

KCG Hash n'Hack

The Club organized a 24 hours Hackathon on 24th February 2018 .KCG Hash N' Hack is a 24 hours Hackathon organized by the 'Hashinc'

Programming club of KCG College of Technology on 24th and 25th February 2018. 25 teams (Total 66 participants) from 8 colleges participated in the event hacking some real problems. Experts from various companies in Chennai mentored the participants. The Event was

sponsored by NOKIA, NFN LABS, FFI, EXETERPREMEDIA, and IMORPH

KCG First Year Programming Club- One day Workshop on Programming with Raspberry –pi.

On the 14th October 2017, a One day workshop on Programming with Raspberry –pi was held at Programming club, KCG College of Technology. Around 50 students participated in the workshop and were provided hands on experience with raspberry Pi 3. Mr Bharath Kumar from Pantech ProEdPvt Ltd was the resource person. The participants were had a session on python programming language and some Linux commands as the participants were working on a Linux

based OS. Participants worked on GPIO Interfacing – I – LED, BUZZER, Input &amp, Output and Sending SMS through API Python Script / Webpage control of Home Appliances using Raspberry pi -3 and python.

KCG First Year Programming Club- Seminar on "Open Source-Red Hat Products and Certifications"

On the 16th September 2017, a seminar on "Open Source-Red Hat Products and Certifications "held at Programming club, KCG College of Technology. Around 50 students participated in the seminar. Current trends in Open source –Red Hat Products were discussed. Basic linux commends were executed. Students were motivated to do open source projects.

Students Participation in Cultural

Academics, Co-curricular & Extra-Curricular

Academic Results

Academic year	Semester	No. of students appeared	No. of students Passed in all subjects	Pass Percentage
2016-2017 Even semester	Second Semester	97	80	82.47
	Fourth Semester	104	51	49.03
	Sixth Semester	105	51	48.57
	Eighth Semester	104	83	79.80
2017-2018 Odd semester	First Semester	105	55	52.38
	Third Semester	101	60	59.40
	Fifth Semester	103	75	72.81
	Seventh Semester	104	72	69.23

Internships and Inplant Training

- Flsmidth, Chennai

- Uniphores/w Systems, Chennai

- GAVS Technologies

- NOKIA, Chennai

- ZOHO Corporation, Chennai

- Chung Te Institute of Religions and Technology, Malaysia

- Camiomile Health Care, Chennai

- RTTC-Regional Telecom Training Centre

- Slice IT, Chennai

- Kaashiv Infotech, Chennai

- M S Networks, Chennai

- Al Khamsan Bhasin General Trading Company, Chennai

Industrial Visits

Batch	Name of Institution/ Organization	No. of students	Dates
2015 - 19	ISRO-Satellite Centre-Bangalore	103	13-08-2017
2014 - 18	Infosys Private Limited, Mahindra City, Chennai	16	07-01-2017

Student Publications

No. of Students who published paper in Journals: 16

No. of Students who participated in external symposia, seminar and workshops: 64

No. of Prizes Won in Technical Competitions: 30