KARPAGAM INSTITUTE OF TECHNOLOGY
KARPAGAM
INSTITUTE OF TECHNOLOGY
Inspiring Innovation
Approved by AICTE and Affiliated to Anna University

KARPAGAM INSTITUTE OF TECHNOLOGY
COIMBATORE -641 105

NEWSLETTER INFOSCIENCE

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CSE

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DEPARTMENT
OF
COMPUTER SCIENCE AND ENGINEERING

HOD's DESK

- ❖ The gains in education are never really lost. The object of teaching a student is to enable him to get along without his teacher.

- ❖ Building positive relationships with students bring me joy.

- ❖ It is their needs and diverse experiences that make my job exciting and rewarding and gave me a wonderful opportunity for exchanging and sharpening the knowledge for stimulating interest and curiosity in a variety of subjects which are essential to true education.

Dr. P. MayilvelKumar M.E., Ph.D

INSTITUTE VISION AND MISSION

VISION:

- ❖ To impart quality technical education emphasizing innovations and research with social and ethical values.

MISSION:

- ❖ Establishing state-of-the-art infrastructure, effective procedures for recruitment of competent faculty and innovative teaching practices.

- ❖ Creating a conducive environment for nurturing innovative ideas and encouraging research skills.

- ❖ Inculcating social and ethical values through co-curricular and extra-curricular activities.

DEPARTMENT VISION AND MISSION

VISION:

- ❖ To provide technical education in the field of Computer Science and Engineering by imparting employability, research capabilities, entrepreneurship with human values.

MISSION:

- ❖ Adopting innovative teaching learning practices through the state-of-the-infrastructure.

- ❖ Establishing a conducive environment for innovations and research activities.

- ❖ Inculcating leadership skills, moral and social values through extension activities.

Editorial Committee:

Staff members	Student members
Dr.A.Sabanayagam	Amirthavarshini. K
Mr.P.N.Ramesh	Kavinkumar. K

INAUGURATION OF THE ACADEMIC YEAR 2019-20

❖ The ASSOCIATION INAUGURATION 2019 was flagged off by the Department of Computer Science and Engineering on July 27,2019 in our college auditorium.

❖ This auspicious ceremony started with welcome address and it was presented by Shivani, from 3rd year IT department.With her heart felt feeling she welcomed the respected dignataries,staffs and students with mesmerizing words.

❖ Our honourable Principal Dr.Manimaran addressed the gathering. His words made everyone to feel more enthusiastic.

The introduction about the resource person of this function Mr.M.Vadivelkumar was given by the Head of the Cse Department Dr.P.Mayilvelkumar.Our beloved Principal Dr.P.Manimaran presented a memento to our chief guest as a token of love. Welcome address by Ms.B.Divya,III year CSE.Lighting the Lamp by Mr.M.Vadivelkumar.Our valiant guest of the day Mr.M.Vadivelkumar, the lead consultant of ITC

MOU'S SIGNED

Infotech,Bangalore addressed the gathering.He shared his knowledge about "NETWORKS AND SECURITY" and he told more about ethical hacking and security.A.R.Reshma of final year Cse Department proposed the vote of thanks.

❖ TECHVOLT SOFTWARE PRIVATE LIMITED, Coimbatore have signed MOU with CSE and IT Department on 16.10.2019.

❖ Techvolt software Pvt.Ltd, a Software Development, Digital Marketing and Internship and Training providing company offering various services to the Colleges and Corporate such as Value Add on Training,Workshop,Guest Lecturing and Project Development.

CSE & IT department have signed Memorandum of Understanding (MoU) with

SEMINARS, SYMPOSIUMS,GUEST LECTURES AND WORKSHOPS ORGANIZED

TECHVOLT SOFTWARE PVT LTD, Coimbatore thereby the students can be benefited by attending,Technical Seminar,Workshop, Inplant Training, Guest Lecture,Industrial Visit. Our beloved principal Dr.P.Manimaran,CSE HOD Dr.P.Mayilvelkumar ,IT HOD Dr.D.Bhanu and CEO of TECHVOLT SOFTWARE PVT LTD Mr.P.Vinayagamoorthy were in the part of MOU.

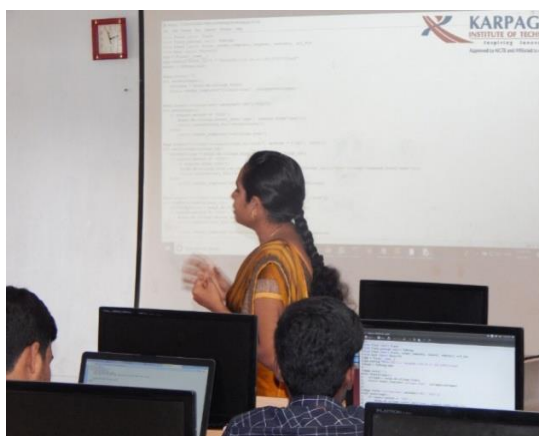CSE Department conducted the seminar on "Internet of things" on 31.09.2019.

The introduction about the resource person of this function Mr.S.Ramachandran was given by the Head of the Cse Department Dr.P.Mayilvelkumar.Our beloved Principal Dr.P.Manimaran presented a memento to our chief guest as a token of love. Welcome address by Ms.Amirthavaarshini K,III year CSE. He shared his knowledge about "*Internet of things* " and he told about recent trends and technology and also he told about real time application using IoT.Around 80 students from III year CSE have attended the seminar and gained knowledge.

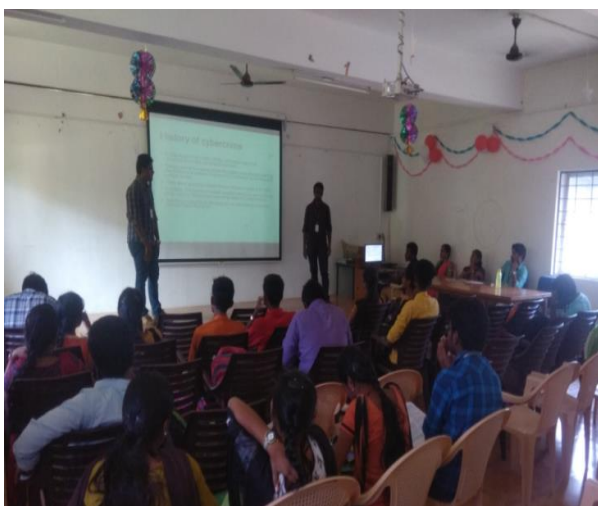National level technical workshops had been conducted on 6th September 2019

❖ Department of CSE organized a national level technical workshops inthe recent trends in our college.
❖ Faculties and students were actively involved in this workshop.

Ms.R.S.Shudapreyaa AP/IT had given lecture on the topic "CREATING WEB APPLICATION WITH FLASK ". Mr.P.N Ramesh AP/CSE had given lecture on the topic "WEB APPLICATION DEVELOPMENT USING PYTHON DJANGO".Various college students were attended and enhanced their knowledge throughthese technical workshops.Our Principal Dr.P.Manimaran had distributed certificates to the participants.Around 300 students had attended the national level technical workshops.

National level technical symposium had been conducted on 7th September 2019

Department of CSE organized a national level technical symposium in our college.Faculties and students were actively engaged in this symposium.

Paper Presentation, Techno Buzz,Gaming and Debugging events are conducted in national level technical symposium – 2019. Various college students were actively involved in the various events and got prizes. Dr.C.Vimalarani had given award to the winners. Our Principal Dr.P.Manimaran had distributed certificates to the participants.Around 500 Students had attended the National level technical symposium.
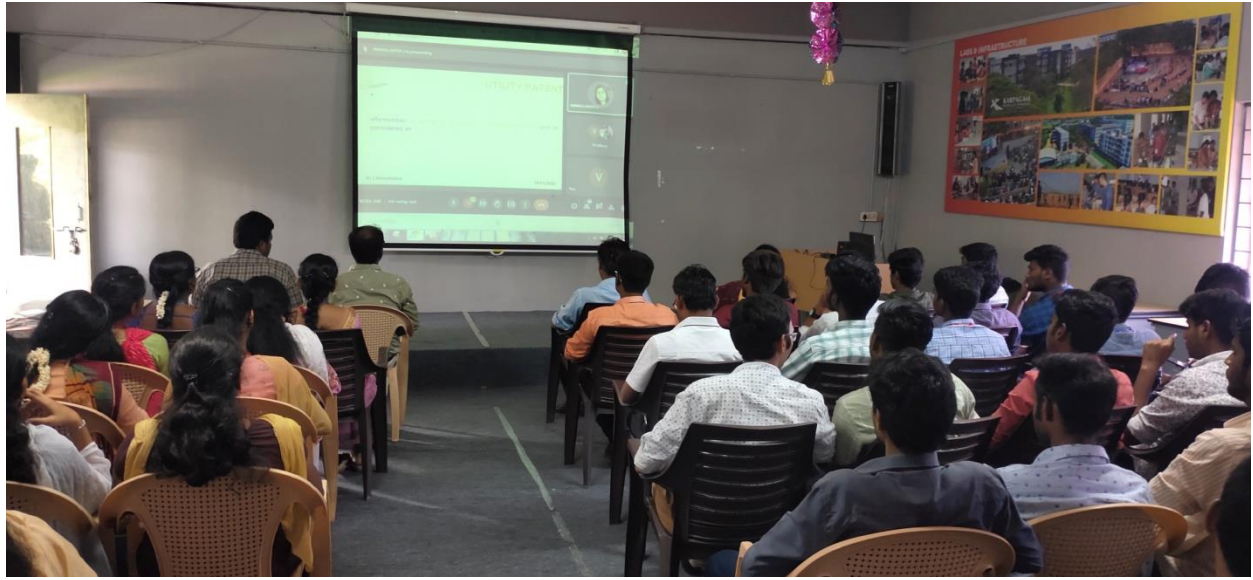
❖ As part of Infosys Campus connect program of our institution, a guest lecture on "Industrial expectations from fresh engineers" was conducted on 30.09.2019 forenoon in our seminar hall for III year students of CSE, IT and ECE.

❖ The lecture was provided by Mrs. Gayathri Paraná Dharmaraj, Principal Consultant, Infosys, and Chennai.

Mrs. Gayathri Aparna Dharmaraj had given a guest lecture on "Industrial expectations from fresh engineers". The session is very interactive rather than a normal power point presentation. Activities were given to the students and based on the result of the activity, the guest delivered the session lecture. The students really felt motivated and they interacted more about interview process. III year Students of CSE, IT and ECE attended the session.Around 83 studentshad attended the guest lecture.

CSE department conducted a Seminar on "Problem to product" on 06.11.2019.

S.Bharathi, Ap/CSE, Addressing about creative thinking in product development
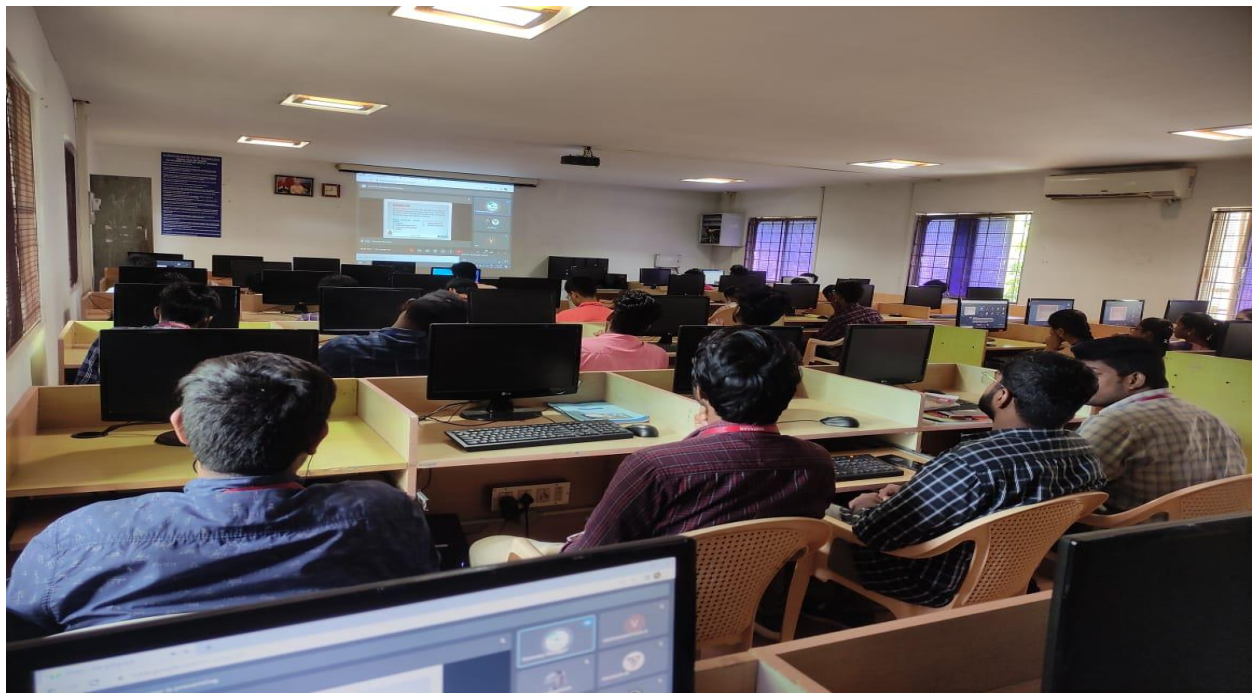

Participants are attending seminar on product development

Department of Computer Science and Engineering, Karpagam Institute of Technology & Institution's Innovation Council, jointly organized a seminar on Problem to Product on 06.11.2019. Mr.C.Karthikeyan,AP/CSE gave welcome address and Chief Guest Introduction. The session was handled by the Resource Person S.Bharathi, AP/IT, PSNA College of Engineering and Technology.He gave a talk on how to evaluate the problem statement and identifying the objective of the problem

statements. Student and Faculty members got benefited on product development, strategy, product screening. Resource person gave an idea about steps needed to take a product from concept to market availability.

CSE department conducted a Seminar on "Engineers For A Sustainable World" on 17.07.2019.

Dr.K.Samuvel, Addressing about sustainable development

Department of Computer Science and Engineering, Karpagam Institute of Technology & Institution's Innovation Council, jointly organized a webinar on Engineers for a sustainable world on 17.07.2019. Mr.C.Karthikeyan,AP/CSE gave welcome address and Chief Guest Introduction. The session was handled by the Resource Person Dr.K.Samuvel, Hindusthan College of Engineering and Technology.He gave a talk on planning and building projects that preserve natural resources are cost-efficient and support human and natural environments. Student and Faculty members got benefited on sustainable development.

CSE department conducted a Guest Lecture on "Industrial Expectations From Fresh Engineers" on 30.09.2019.
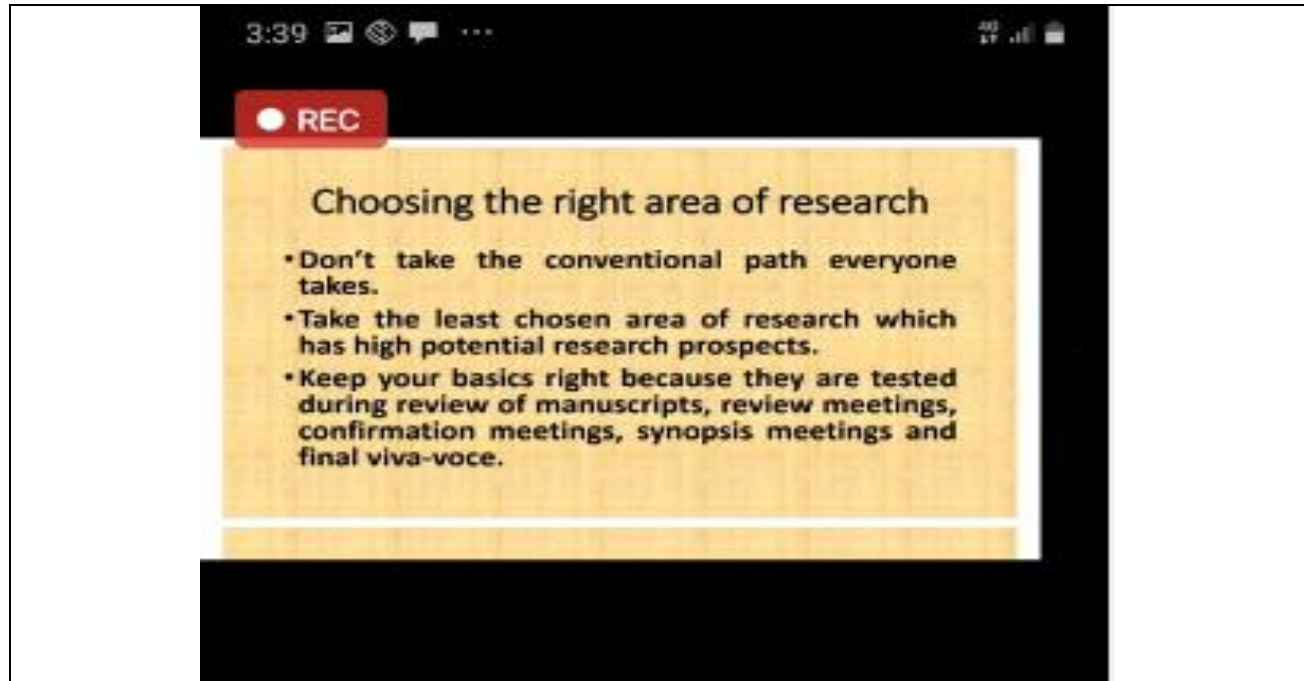

Mr.Sabarinathan Muthu, Addressing about Expectation of IT indutry

Department of Computer Science and Engineering, Karpagam Institute of Technology & Institution's Innovation Council jointly organized a Guest lecture on Industrial expectations from fresh engineerson 30.09.2019. Mr.C.Karthikeyan,AP/CSEgave welcome address and Chief Guest Introduction. The session was handled by the Resource Person Mr.Sabarinathan Muthu, Executive Manager, Gateway Software Solutions, Coimbatore .He gave a talk on Career aspirations like long-term career goals, plans, and/or dreams. Student and Faculty

members got benefited on expectation of IT engineer.

CSE department conducted a Webinar on "Develop Quality Entrepreneurship Ideas" on 20.08.2019.

Resource Person Mr.L.Venkadesh discussed to choose right area for research with minimum viable products.

Department of Computer Science and Engineering, Karpagam Institute of Technology & Institution's Innovation Council jointly organized a Webinar in "Develop quality Entrepreneurship Ideas" to improve their skills and knowledge in developing a quality entrepreneur in various stages of the business fieldson 20.08.2019. Mr.P.N.Ramesh,AP/CSE gave welcome address and Chief Guest Introduction. The session was handled by the Resource PersonMr.L.Venkadesh, Director, O Clock Software Pvt Ltd, Chennai. In the first half of the session, he gave a short introduction about an entrepreneur and motivated the students by showing the power of the entrepreneurs who can change the world with their products and services, awareness in project planning with minimum viable products and cost effective solutions.Then, he also motivated the students by giving new

innovative ideas to tolerate the risks in developing startups.

FDP Attended

- ❖ STTP 5 days NITTR sponsored short term training program on ICT-16 - Skill Development and Technological Innovation for Employment Generation in India attended by all the faculties of CSE from 29th July 2019.

- ❖ STTP 5 days NITTR sponsored short term training program on ICT-22 - Research Oriented Project Work attended by all the faculties of CSE from 5th August 2019.

- ❖ Staff Members are registered in NPTEL and done their exams weekly.

- ❖ Mrs.K.Kalaiselvi attended Faculty Development Program on Skill Development and Technological Innovation for Employement Generation in India from 29.07.2019 to 02.08.2019 conducted by NITTR.

- ❖ Mrs.K.Kalaiselvi attended Faculty Development Program on Research Oriented Project Work from 05.08.2019 to 09.08.2019 conducted by NITTR.

- ❖ Mr.P.N Ramesh attended Conclave on future skillson 31.10.19 at the residency,coimbatore.

- ❖ Mr.C.Karthikeyan attended Faculty Development Program on Programming, Data Structures and Algorithms Using Python from July to September 2019 conducted by NPTEL.
- ❖ Mrs.C.Kalpana attended Faculty Development Program on Skill Development and Technological Innovation for Employement Generation in India from 29.07.2019 to 02.08.2019 conducted by NITTR.
- ❖ Mrs.C.Kalpana attended Faculty Development Program on Research Oriented Project Work from 05.08.2019 to 09.08.2019 conducted by NITTR.
- ❖ Ms.N.Suganya attended Faculty Development Program on Cloud Computing from August to October 2019 conducted by NPTEL.

Publication Details

- ❖ Dr.P.Mayil vel Kumar published a paper titled "Improved Fault Diagnosis in Wireless Sensor Networks using Deep Learning Technique" in International Journal of Recent Technology and Engineering.
- ❖ Mr.K.M.Murugesanpublished a paper titled "Mining Query Facets from the Search Results" in International Journal of Recent Technology and Engineering (IJRTE).
- ❖ Mrs.K.Kalaiselvipublished a paper titled "Detection of Faults in Flying Wireless Sensor Networks Using Adaptive Reinforcement Learning" in International Journal of Recent Technology and Engineering (IJRTE).

Patent Details

S. No	Name of the faculty, if any	Details of the Work	Patent No.	Issuing Authority	Month & Year
1.	Dr.P.Mayil Vel Kumar	Quality Health Care and reduced Health Care spending achieved through artificial intelligence	201941031693	Patent India - Kolkata	AUG 2019

Industrial Visit

- ❖ On 24th December 2019 our CSE students went for industrial visit to Unilog Content Solutions, Bangalore.

Snapshots of Industrial visit

III CSE Students had attended the class at Unilog Content Solutions. Students eagerly attend the class and clarify their doubt with the trainer. Trainers train the students through the live demo. Students gained real time knowledge through this visit.

- ❖ On 24th December 2019 our CSE students went for industrial visit to Signal & Telecommunication Workshop , Podanur.
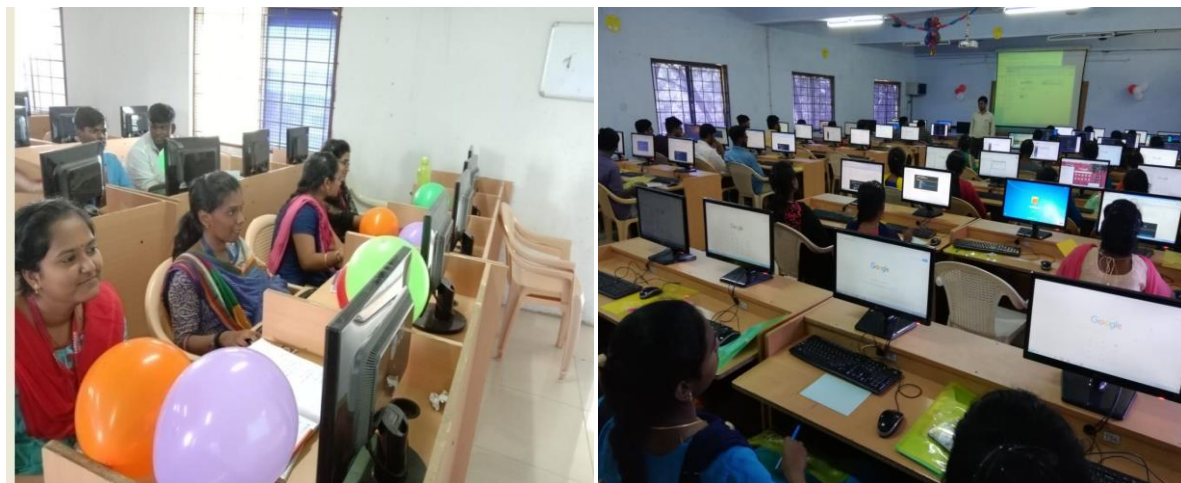
Students visited various sections in Railway station such as Power Supply panel, Relay Room, Information Display System and Alarm Panel room. They learnt about the signaling function that is used to monitor the train signal. This was done by using the train signal panel.

Club Activities

Coders Club:

❖ The students of CSE have participated in coders club events to enrich their programming knowledge at lab 3 on 26September 2019.

❖ In today's rapidly changing environment, programming skills are essential tools that can be utilized and incorporated into various fields and domains. Hence, it becomes absolutely essential to equip young minds with such skills.

❖ Coders Club aims to establish a coding culture on campus, reaching every student passionate about coding. The club's motto is to Create-Build-Innovate.

❖ The country as a whole requires a lot more coders for it to achieve the goal of a 'Digital India'. The club is doing its bit to help the country pursue this goal

Hackathon, Logo Creation and Meme Creation events had been conducted.Students eagerly participated in various events and got prizes.Around 60 students had attended the events.

❖ **e-yantra Club:**In e-yantra club students were learned different programming languages and completed their exams through online.

❖ To expand our knowledge of computer science, the club conducts weekly sessions on various topics of computer science.

❖ The club meets every week to discuss and work on projects.

❖ All the members collaborate to achieve a common objective. Lecture sessions are also organized for the benefit of members, where some concepts of computer

science are taught Workshop and technical talks on various competitions and concepts of computer science are conducted through the club.

❖ The club also organizes talks/sessions by seniors and alumni about internship and placement preparation.

Students attended the classes and done their exams.

Natures club: Through natures club AICTE Plantation drive "One Student, One Tree" was organized in our campus on 14.08.2019

Our beloved principal Dr.P.Manimaran planted a tree. Various DepartmentStudents had planted trees in our college campus. Our students are actively involved in tree plantation in our college to increase the green cover. It purifies the air, conserves water, helps in climate control, preserves soil and benefits the overall environment in several other ways.

In natures club we plant a trees on September 5, 2019

Social Activities

- ❖ Students from II Year (CSE) have participated Unnat Bharat Abhiyan (UBA) Baseline Household Survey.

- ❖ Kalam Library Project Work held at Government Higher Secondary school,Koundapalayam from July 24 to 26, 2019.

- ❖ Coimbatore Municipality Corporation, The Arc Foundation India and NSS club of our college has conducted Dr.Kalam Library Project from 24-07-2019 to 26-07-2019. Donation of 100 books was done at the below schools.

1. Corporation Elementary School, Manikarampalayam

2. Government Higher Secondary School ,Koundampalayam

3.Corporation higher secondary school, Siddhapudur

Student of our college had given books to the school students.

❖ Our College will be a team planned to conduct SWACHHATA HI SEWA CAMPAIGN in allotted villages from 17.09.19 to 01.10.19.

❖ Unnat Bharat Abhiyan organized Swachhata Hi Sewa Campaign (plastic free village) in Seerapalayam&Bodipalayam on 17.9.2019, Nachipalayam on 18.9.2019 ,Valukkuparai on 30.9.2019 and Pichanur on 1.10.2019

The Commissioner of Madukkarai town panchayat and the BDO of Madukkarai village Panchayat inaugurated the campaign. Our UBA staff coordinators and 30 student's volunteers participated the campaign. They created awareness of One time use Plastic and Distributed Cloth Bags to the village peoples.Students presented the skid regarding the plastic awareness, clean environment & rainwater harvesting in Government High School, Vazukuparai.

Students Achievements

In IV year CSE totally 14 students were placed in different companies.Placed student details are listed below

S.NO	NAME	COMPANY NAME
1	AISHWARYA N	INFINITE
2	ANITHA S	SPORA STERIA
3	ARAVIND P	INFINITE
4	BALAMURALIKRISHNAN M	DUCEN
5	BHARATH K	RENTLY
6	KAVIYA P	AERELE TECHLABS
7	KEERTHANA J A	CTS
8	MOHAMMED HARIS K	AERELE TECHLABS
9	NARAYANAN K	TCS
10	NEVATHA R	CTS
11	POOJA SHREE P K	INFOSYS
12	RATHEPRIYA R	TCS,CTS
13	ROHITH KUMAR S	ZOHO,NOVOPAY,DUCEN
14	SHARON J	INFINITE

Anna University Zonal match –IV year CSE M .VedaSruti got3rd place in NEHRU INSTITUTE OF TECHNOLOGY.

S.No	Date	Name of the Students	Name of the Event	Name of the Organizer	Achievements / Prizes /

					Positions
1.	15-9-2019	S.Hariprasath	Debugging in C program	Elysium Academy, Coimbatore	Winner 1st Prize
2.	30-9-2019	M.VedaSruti	Anna University Zonal match	Nehru Institute of Technology, Coimbatore	Winner 3rd Place
3.	04.09.19	Pooja Shree. P. K	Hack with Infy	Infosys	Winner
4.	01.08.20 - 03.08.20	Vikash. V Swathilakshmi. M Vinothkumar. H Manikandan. S Ashwin. B Kamachi. S	Smart India Hackathon 2020	MHRD	National Finalist
5.	29.08.19 - 31.08.19	Anitha. S Kannimuthu. D Yeswanth. S Pooja Shree. P. K	National Science and Technology Fair	Codissia, Coimbatore	Selected to Exhibit
6.	29.08.19 - 31.08.19	Joel Jhonson Jithendra. S Manikandan. V	National Science and Technology Fair	Codissia, Coimbatore	Selected to Exhibit
7.	29.07.19	P.Kaviya	Startup Idea Submission	Forge	Nominated
8.	April 2020	Anitha. S Deepika. D	TNSCST Student Project Scheme	Tamilnadu State Council for Science and	Participated

		Yeshwanth. S Kannimuthu. D		Technology	
9.	April 2020	Kaviya. P Vedasruti. M Sharon. J Vinothini. B	TNSCST Student Project Scheme	Tamilnadu State Council for Science and Technology	Participated
10.	29.08.19	V Manikandan N DeeveshKannan R Vignesh	Unnat Bharat Abhiyan	Karpagam Institute of Technology, Coimbatore	Participated
11.	17.9.19 18.9.19 30.9.19 1.10.19	S.K.Gokul R.Lakshman Prasad	Unnat Bharat Abhiyan	Karpagam Institute of Technology, Coimbatore	Participated
12.	20.12.19	S.K.Gokul R.Lakshman Prasad M Yogesh T GokulPrasanth	Innovation Challenge Design Contest 2019	AICTE-DST	Participated

HARIPRASATH S attended workshop in Elysium Academy and participated in debugging event and won first prize.

Final Yearstudents of CSE department have appliedproject proposal to MHRD and got selected. Also they presented their project ideas at kumara Guru College of technology.

Final Year students of CSE department have participated in technical project expo held at Codissia.

CULTURAL ACTIVITIES

- Celebrated Batch Day on 23 August 2019.

III YEAR CSE students had celebrated their batch day and cut the cake.

- Celebrated Teachers Day on September 5, 2019.

Students organized Teachers day and various events had conducted for staffs .

Onam was celebrated on September7,2019

Onam function started with Thiruvathira dance, Chendamelam around the college and also students were performing the dance.

Engineers day and Engineers Golu have celebrated on October 4,2019

The day started with the chief guest Shri. A. Anish Antony, Managing Director, Yahel Tech, Coimbatore and alumni of our college had given talk on entrepreneurship and development skills and also gave the motivational speech to initiate Startup Company for students.Engineer's golu organized in a grand manner. Dance and singing competitions have conducted and also students exhibited their innovative talents by presenting their golu models.

EDITORIAL MEMBERS

Editorial Faculty Members

- ❖ Dr.A.Sabanayagam
- ❖ Mr.P.N.Ramesh

Editorial Student Members

- ❖ Ms.K.Amirthavarshini (III-CSE)
- ❖ Mr.K.Kavinkumar (III-CSE)