

NEWS LETTER

Department of Information Technology
KGiSL Institute of Technology

June 2020 Issue

Department Vision

To become a centre of excellence in education and research in the field of information technology by providing industry embedded education to the students for creating transformative impact on the requirements of nation.

Department Mission

M1: To provide necessary infrastructure and facilities in a conducive environment for effective learning and smoother conduct of the program.

M2: To achieve effective teaching learning process by providing experienced, qualified and dedicated faculty members.

M3: To impart value based education to encourage the students towards higher education, research and development activities.

M4: To inculcate an attitude of self-learning, lifelong learning, problem solving ability, creative thinking, individual and team work with professional, ethical and moral values

M5: To prepare student for careers in industry, encourage entrepreneurship and mould them to take leadership for the betterment of the society.



Dr. Venkateshwaran Loganathan

*Head of the Department - Information Technology,
KiTE*

The ones who are crazy enough to think that they can change the world, are the ones who do. – Steve Jobs

I extend my happiest greetings to all of you. I am very delighted and proud to share this newsletter with you all which serves as a trademark of the achievements made by the department in the last six months. The department of Information Technology is growing by leaps and bounds every year in terms of providing quality education to the motivated students. Recently, the department is accredited by the National Board of Accreditation, which is one of the two major bodies responsible for accreditation of higher education institutions in India.

With eminent and highly qualified staff members on board, the department always strives to impart technology education to the students who join us from all walks of life. We envision the students' dream and make it into a reality by rightly transforming the educational needs of the students to their success. The department collaborates with start-ups and other technology oriented multi-nationals to imbibe a sense of industry-based education to equip the students with the latest technological advancements. The department of Information Technology has recorded consistent improvement in its academic, research and placement performances. Reading this newsletter would definitely be an inspiration and motivation for all the students and faculty and staff members to contribute even more to the forthcoming issues.

At this moment, I would like to thank Dr. Ashok Bakthavathsalam, MD – KGiSL Group of Companies, who is very passionate about technology and who always puts students' welfare at first in all that he does. I also thank our CEO, Principal and Vice-Principal, who tirelessly work for the upliftment of the student community.

I thank the staff, students and others who are involved in bringing up this newsletter into reality. A journey of thousand miles starts from a single step. I am sure that we have made that first right step to continue our journey of success.

Workshop on Big Data Analytics

Hands-on session on “Big Data Analytics” was organized for the students in February 2020. Mr. U. K. Balaji Saravanan, Assistant Professor, Sona College of Technology presided over the session. The session was very informative and the students gained knowledge on Big Data, different types of Big Data, Big Data life cycle. Students from the IT department attended the lecture, and found it interesting and technically knowledgeable.



Hackathon in PyGame

PyGame project presentation was organized for the first year students. Students learned Pygame with help of their dedicated staff and student mentors. The program was held on 11.01.2020 at the IT Lab. Students enthusiastically participated and won First, Second and Third Places and was rewarded with cash prize.



Inauguration Of IT Association - Riotz's

IT – Riotz's association was inaugurated on February 22nd 2020 in the presence of our Principal, Dr. VijayaChamundeshwari and Vice Principal, Dr. Suresh Kumar. The chief guests of the event were Mr. Ajax, Head, Proplus logics and Mr. Sathishkumar Venkatachalam, Senior Software Engineer, RFPIO Inc,. The session was interactive, informative and covered several important areas of entrepreneurship from its meaning and significance to the qualities and competencies of an entrepreneur.



Women's Day Celebration



On 13th March 2020, Department of Information Technology, KGiSL Institute of Technology (KiTE) celebrated womanhood commemorating women for their social, economic, cultural and political achievements. Various events were conducted to exhibit the talents of the students and as a part of appreciation prizes were distributed to the winners by the Head of the Department.

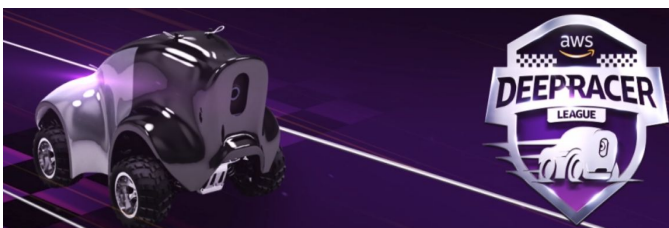
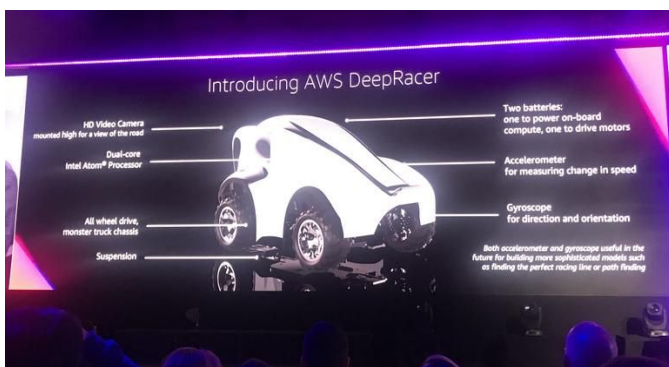
Farewell

The Department of Information Technology has celebrated farewell – 2020 on 29-02-2020 at IIM auditorium. Students made their speech interesting and even funny by referencing various incidents during their time in college. Something as simple as hand gestures made the speech more impactful. As a token of affection, mementos were distributed to the students by the Head of the Department.



Annual Day

The Annual Day is one of the most anxiously awaited occasions for student as well as the staff. Our management is keen in conducting the annual day every year. The day is a memorable one with insights of achievements and entertainment. Everyone is excited and various activities are carried out. Our Head of the Department presents the department report. It is an occasion to recognize the department's achievements over the year. Students participate in the cultural events. Meritorious students of 2019-2020, signed the Role of Honor. Prizes, certificates and scholarships were distributed. The students were given an outlet to showcase their potential and creativity. Students also appreciated the fellow student's achievements and participation. The IT department students have also bagged prizes in the competitions held on that day.



Webinar on AWS DeepRacer

AWS DeepRacer gives you an interesting and fun way to get started with reinforcement learning (RL). RL is an advanced machine learning (ML) technique that takes a very different approach to training models than other machine learning methods. Its superpower is that it learns very complex behaviours without requiring any labelled training data, and can make short term decisions while optimizing for a longer term goal. Faculties of Information Technology Department have participated in the webinar on April 8, 2020 and have gained a lot of insight.

75 Days of Coding Challenge

36 IT Students participated in 75 Days of Coding Challenge in Python from 26th July 2019 to 8th October 2019 organized by KGiSL Institute of Technology through repl.it platform. Seven students were nominated under Elite Category and were rewarded with cash prize of Rs.5000/-s



Sports Day

Everyone needs a break from classroom and lectures to revive oneself. Extracurricular activities are the most ideal approach to regain energy and enhance our personality. Engaging students in clubs, volunteering activities, sports competitions and activities outside regular classes gives good knowledge to the students and boosts up their energy. This helps in building their interpersonal and social abilities. Sports-related activities are also important in shaping the personality and character of a student. The department of Information Technology encourages its students to participate in almost all the sports related activities. Students develop their fitness levels by hitting the gym regularly, practicing warm-ups daily, playing indoor and outdoor games and athletic activities. The students understand the correlation between sports and academic activities gives a positive spirit to them. The IT department's sports club provide a valuable learning experience through students' involvement in fundraising, public relations, organizing, planning, teaching, and leadership development. The sports club has the most success and stability as students are extremely active with a dedicated team.



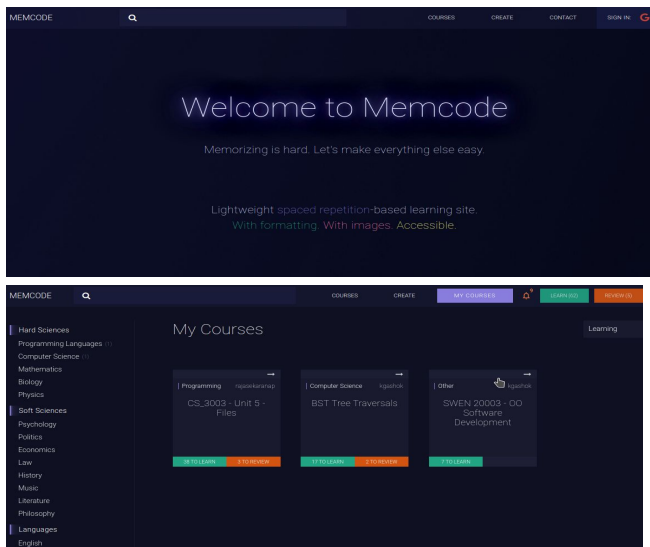
Project Face Recognition Based Attendance System

Automatic face recognition (AFR) technologies have made many improvements in the changing world. Smart Attendance using Real-Time Face Recognition is a real-world solution which comes with day to day activities of handling student attendance system. Also faculties find it a waste of time to call out each student's name and mark attendance. Face recognition-based attendance system is a process of recognizing the students' face by using face biometrics based on a high-definition monitor video and other information technology. In this face recognition project, a computer system will be able to find and recognize human faces quickly and precisely in images or videos that are being captured through a surveillance camera. Numerous algorithms and techniques have been developed for improving the performance of face recognition. The concept of Deep Learning is implemented here which helps in conversion of the frames of the video into images so that the face of the student can be easily recognized for their attendance and the attendance database can be easily updated automatically.



Project Memcode

MEMCODE is an open source platform used to memorize anything easily that you want to learn. It is a flashcard based learning system that uses images. A team of 10 members has been formed from KiTE for up skilling the technical skill sets of students. Students as a part of the team with the help of the various mentors' including Industrial Mentors (HoD/IT-KITE, KGiSL-GSS) and Faculties Mentors (IT Department KITE), guidance for enhancing the development of new features, resolve the real time problems in creative/innovative/out-of-box thinking manner as a solution that occurs in the MEMCODE Project.



Achievements



NBA Accreditation

NBA accreditation is a process of quality assurance and improvement, whereby a programme in an approved institution is critically appraised from time to time in order to verify if the institution or the programme continues to meet the norms and standards Norms and Standards prescribed by the regulator. The department is accredited with NBA for 3 years.

Productive Lockdown

COVID has disrupted education around the world; however, the pandemic it not deter academia the spirit of teaching and learning. We at KGiSL Institute of Technology enable online learning through popular tech tools including Zoom, Skype, Whatsapp, Cisco Webex and Microsoft Teams. Final year project reviews were conducted through meet app. GUVI team at KGiSL has conducted certified courses for the students on various interesting areas such as Machine Learning, Artificial intelligence, Python, Javascript and Java. Students are continuously motivated in developing real time projects and solve real time issues. Faculty members have published books online and research papers in various reputed journals. They are motivated to organize and attend Faculty Development Programmes on recent trending technologies.

Project status Update For Final Years

IV IT PROJECT DAILY FOLLOW UP DETAILS										
DATE : 08-04-2020										
BATCH : 2018-2020										
ACADEMIC YEAR : 2019-20										
Batch Number	S. No.	Roll No.	Reg. No.	Name	Supervisor	CALL DETAIL 1) Contact Time 2) Student Number 3) Student Name	% of work pending in implementation	% of work pending in Documentation	% of work pending in PPT	Comments by Supervisor
1	1	16TA11	711784259013	Gireeshan.M	DR.RABUN CHAKRABARTHY	1) 02:45 2) 9556457121 3) Anitha.s	Completed	40%	50%	Verified report, corrections recommended
	2	16TA12	711784259013	Shan. T.E						
	3	16TA13	711784259009	Shi Bharadwaj.S						
2	4	16TA44	711784257501	Girish.P	ANANTHIM	1) 10:30 pm 2) 971550828 3) Gireesh	10	20	50	corrections recommended in documentation
	5	16TA43	711784257502	Dhruva.B						
	6	16TA46	711784257501	Pragathi.vam.M						

Achievements

Internships	
Students	Company
Mr. Jahazil Samraj	Heptagon, Coimbatore
Mr. Gowtham, Mr. Issac, Ms. Sri Bhavadharani	Pinesphere Solution, Coimbatore
Mr. Yugesh, Mr. Krishnaprasath, Mr. Sasivesai Mr. Praveen D, Mr. Praveen V, Mr. Ganesh Kannan	Gbc Communication Technologies, Coimbatore
Ms. Dhivya Bharathi, Ms. Kowshika, Ms. Nandhini Ms. Saranya, Ms. Vidhya, Ms. Madhumadhi Rani	Gateway Solutions, Coimbatore
Ms. Gowri, Ms. Dhivya, Ms. Pragatheeswari	Unique Technologies, Coimbatore
Ms. Saadhana S, Ms. Vishnu Priya M, Ms. Deepika S	Twirl Tact Technology Solutions Pvt.Ltd.
Ms. Agalya, Ms. Esther, Ms. Vasanth, Mr. Venkatachelam	Live Stream Technologies, Coimbatore
Ms. Dayana D, Ms. Kowsalya, Ms. Anushiya	Unique Technologies, Coimbatore
Ms. Reethu , Ms. Nehal Bothra, Ms. Samyutha Anand	Geekstack, Coimbatore
Mr. Gnana Prakash, Mr. Karthikeyan, Mr. Muthu Kumaran	Nxtlogic Solutions, Coimbatore

Student Corner



Glass Paintings

by
Preethi III Year

மங்கை !!!

சாதனைகளோடு சரித்திரம் படைக்க
கடவுளால் படைக்கப்பட்ட கற்பக விருட்சம்
நான் தான் பெண்கள் உலகையே ஆள்வது
சிவன் ஆயினும் சிவனை ஆள்வது
சக்திதான்.

மகத்தான மந்திரம் தான் மங்கை
நீரின்றி அமையாது உலகு பெண்ணின்றி
அமையாது வலிமை
உரக்கச் சொல்வோம்
நான் மங்கை என்று உரக்கச் சொல்வோம்
பெண்ணென்று

மலர்ந்து மகிழ்ந்திடு நான் மங்கை என்று
மெழுகாய் உருகி மங்கள ஒளியைத் தரும்
மங்கையை வாழ்த்துவோம்

இனிய மகளிர் தின நல்வாழ்த்துக்கள்!!!

Kavidhai

by
Preethi III Year

THE UNTOUCHABLES!!

Poor by money!
Rich by heart!
Not clean by body!
But pure by soul!
Begs everyone,
Just for a single meal!
In spite of his hunger,
He feeds the dogs!
Tries to earn,
But chances restricted!
Blesses people with great words,
Just for a single paise they throw!
Footpaths are their homes,
And mosquitoes are their short blankets!
Humanity, medicine to untouchability!
Love all! Serve all!

– Preethi Krishna Kumar

YourQuote.in

Smile!!!!

A sign of care! 😊
A kind of key for a positive vibe! 😊
A simple one...with which the whole fight
breaks! 😊
A tool for strangers to access one's
attention! 🙋
A bit of it...adds on brightness in your look!
😄
A smile with a tap on your shoulder can
change everything! 😍
Just smile! Everything changes! 😄

– Preethi Krishna Kumar

YourQuote.in

Editorial Board

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Ms. Ananthi M
Dr. Mythili T
Mr. Rajasekaran S

Message

We feel delighted to see the students participating in different events and deliver their best. We assure that the Newsletter continues its commendable work in keeping you updated. The hard work shown by the students in such events and workshops is portrayed effectively by the College Newsletter.

KGiSL Institute of Technology

(Approved By AICTE and Affiliated to Anna University Chennai)

KGiSL Campus, Thudiyalur Road, Saravanampatti, Coimbatore -
641035 Phone: 0422-4419999 Email: info@kgkite.ac.in