



KiTE
KGiSL Institute of Technology

HELLO

KITE



Chair Man's Message

Dr.Ashok Bakthavatsalam
Managing Director
KGiSL Institutions

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

Secretary Message

Dr.Ravichandran Rajagopal
Secretary
KGiSL Institutions

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Principal Message

Dr. Lakshmanan D
Principal
KGiSL Institute of Technology

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Achivements

Pecha Kucha in ENTEKA

Crowning the ten GOLDEN YEAR OF KITE department of civil engineering organized the feast “PECHA KUCHA” on 25-07-2018 in kite.where it's the Japanese mode of presentation,the team received huge response , totally 17 team from various branches have taken part in the fest and received the special prizes Pecha kucha 20x20 is a simple presentation format where you show twenty images, each for twenty seconds. The images advance automatically and you talk along to the images.The presentation format was devised by Astrid Klein and Mark Dytham. The first pecha kucha night was held in Tokyo in February 2003.With pecha kucha nights was happening in over 1000 cities around the world. Now it is happened in our kite campus.

Special Jury Award

A team of six members won the award on CONCAST 3600 conducted by ACC Limited, they designed the grade,tested cubes as per ACC specifications which was organized on engineering day.

Seminars

Seminar by Dr.Fixit

DR FIXIT ‘Indian MNC’ conducted on topic ‘water proofing of building and other structures’,was given by Asst.Manager of fixit

Seminar by Swifterz

SWIFTERZ came with the seminar on ‘BIMS’ given out by its CEO. Building Information Model is uncommon no more. They bring it right to our doorstep.

Seminar by Ken

Ken community have helped us by giving out awareness on various opportunity and about higher education present around the global

Seminar by Max CADD

Steel construction is one of major and fastest growing technology where cadd center have addressed on important software tekla

Industrial Vist

Second Biggest Earthen Dam

Visit to the second biggest earthen dam in the world – BHAVANISAGAR DAM. Final year civil engineers where given the opportunity to visit this dam during 21-07-2018 which was constructed during post independent period from 1948 to 1955 and it's a multipurpose dam. They have viewed and examined the dam in all the engineering aspects

Second Biggest Earthen Dam

The sweet pride of Coimbatore SIRUVANI WATER TREATMENT PLANT. Third year students have visited the plant during 03-09-2018, they have viewed the various process involved in the secret behind the taste of water etc..

There are nearly 19 dams currently operating in Tamilnadu among them Lower Bhavani is one of the largest earthen dam serving nearly 32 villages for irrigation and drinking. The lower Bhavani project was the first major irrigation project initiated in india after independence in 1948.

It was completed by 1955 and opened for use in 1956. The total construction cost was Rs. 21 crores. The dam receives water from two main catchments in western ghats. The eastern catchment area includes upper bhavani, avalanche, emerald lakes, kundha, pillur, nellithurai. The western catchment area include Portimund, parsons, valley, pykara, glenmorgn, chinkara, maravakandy, moyar and thengumarahatta.



Swarm Robots

Swarm robotics is a new approach to the coordination of multi-robot systems which consist of large numbers of mostly simple physical robots. It is supposed that a desired collective behavior emerges from the interaction between the robots and the interaction of robots with the environment.

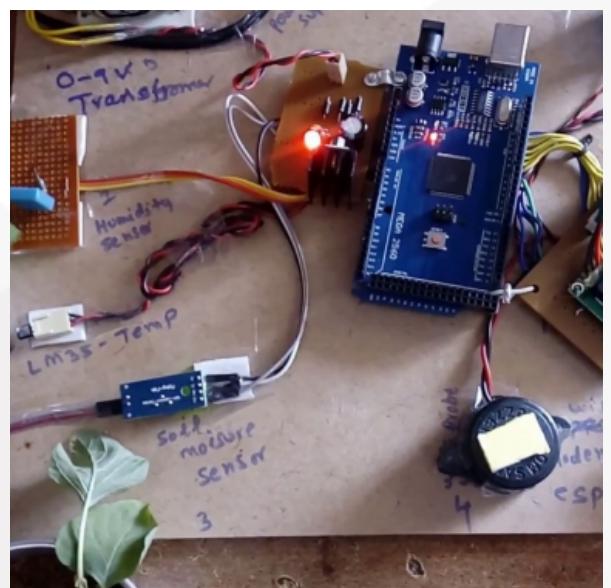
Swarm Robots

The use of GPS or RFID technology to create a virtual geographic boundary, enabling software to trigger a response when a mobile device enters or leaves a particular area. we develop a application for both IOS and android for Mahatma Gandhi visited places any one visited the Mahatma Gandhivisited place the app so notification gives the basic detail



Swarm Robots

Internet-based service that directly connects farmers and consumers. For the farmers, the service offers engaged customers who pay up front and holds out the potential for revitalizing a flagging domestic agriculture industry. For the consumers, it offers healthy organic vegetables – served up with some vicarious farming thrills courtesy of an online interface that lets them track and virtually care for their crops.



Projects

Programs Conducted

Two Days Orientation Programme for First year students FCC - Ms Bharathy

One day Prehackshop -Ms.Bharathi

Two Days Orientation Programme for First year students- Code for Life -CSE

TNSCST - project proposal -Mr.Raja and Ms.Poongodhai

Ethical Hacking

Ethical hacking refers to the act of locating weaknesses and vulnerabilities of computer and information systems by duplicating the intent and actions of malicious hackers. Ethical hacking is also known as penetration testing, intrusion testing, or red teaming



Maffy Creations

This workshop is organized by one of our department student Mathesh. With help of a community, Maffy

Creation and he is the founder of that community. It was one day workshop about basic of hanking introduction to Linux, installation, and demo for a simple hacking method using kail Linux



Workshops Conducted

Dept - ECE

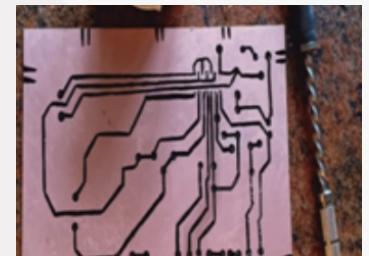
Seminar 1 Embeded Systems

A seminar on Embedded systems was conducted on 06/07/2018 by Mr. Balajee seshadri Technologist, Surabee electronics systems. An embedded system is a programmed controlling and operating system with a dedicated function within a larger mechanical or electrical system, often with real - time computing constraints. It is embedded as part of a complete device often including hardware and mechanical parts.



Seminar 2 Raspberry Pi

A seminar on Raspberry pi and Arduino was conducted on 14 / 07 / 2018 by Mr.Parthiban and Mr.Ramesh, Senior Technologist , Caliber Systems. Arduino is an open source computer hardware and software company, project, and user community that designs and manufactures single-board microcontrollers and microcontroller kits for building digital devices and interactive objects that can sense and control objects in the physical and digital world.



Seminar 3 PCB Designing

A seminar on PCB designing conducted by Mr.Devaraj . A printed circuit board (PCB) mechanically supports and electrically connects electronic components or electrical components using conductive tracks, pads and other features etched from one or more sheet layers of copper laminated onto and /or between sheet layers of a non- conductive substrate. Components are generally soldered onto the PCB to

Workshops Conducted

Dept - ECE

Workshop Embedded Systems

A workshop on Embedded systems conducted on 20 / 07 / 2018 by Mr.Vamsi Krishna viven embedded academy Hyderabad. Students were introduced with modern embedded system technologies in chip design , Intel boards , boiling air craft electronic control design etc. Real time applications based creative ideas were provided. Books were published for the benefit of students which helps them understand the electronic concepts in their mother tongue



Project Expo

Techno messe was organised as a part of the event kite enteka, which is organised by the department of Electronics and communication Engineering. The word enteka indicates the entry of kite into the 11th year. To start with the next decade of kite , the department of ECE has made its students involve in accomplishing electronics projects. We had 60 working models out of which 45 projects was shortlisted for the final round. The students from the department of Electronics and communication and Mechanical engineering has actively participated in the event. The projects in domains like artificial intelligence, Internet of things , Embedded systems, arduino , raspberry pi has been presented in the exhibition. The projects such as gesture control , IoT based appliance control, voice controlled robot was greatly appreciated. The exhibits was viewed and judged by the director and principal. It helped in evoking the dormant ideas of the young minds and bring that into a reality.mother tongue



FEAR OF MISSING OUT FOMO

Dr. Selvavinayagam G
Assistant Professor
Department of IT/ KITE

Fear of missing out, or FOMO, is "a pervasive apprehension that others might be having rewarding experiences from which one is absent". This social anxiety is characterized by "a desire to stay continually connected with what others are doing". FOMO is also defined as a fear of regret, which may lead to a compulsive concern that one might miss an opportunity for social interaction, a novel experience, a profitable investment, or other satisfying events. In other words, FOMO perpetuates the fear of having made the wrong decision on how to spend time since "you can imagine how things could be different".

Self-determination theory (SDT) asserts that the feeling of relatedness or connectedness with others is a legitimate psychological need that influences people's psychological health. In this theoretical framework, FOMO can be understood as a self-regulatory state arising from situational or long-term perception that one's needs are not being met.

With the advent of technology, people's social and communicative experiences have been expanded from face-to-face to online. On one hand, modern technologies (e.g., mobile phones, smartphones) and social networking services (e.g., Facebook, Twitter) provide a unique opportunity for people to be socially engaged with a reduced "cost of admission". On the other hand, mediated communication perpetuates an increased reliance on the Internet. A psychological dependence to being online could result in anxiety when one feels disconnected, thereby leading to a fear of missing out or even pathological Internet use. As a consequence, FOMO is perceived to have negative influences on people's psychological health and well-being because it could contribute to people's negative mood and depressed feelings.

"Measure twice; cut once." --Harrison Ford

Seminars Conducted

Seminar 1

Practical Applications of IoT

Dr. Shriram Vasudhevan
Assistant Professor
Amirtha University

IoT based technical seminar was conducted on 05/9/18 by Dr. shriram K Vaasudevan, AP(Sl. Grade), from Amritha university, where real time projects along with startup project implementation was initiated. .



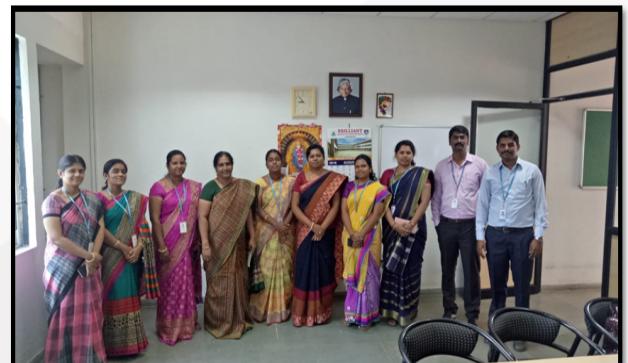
Students got an idea on real time project implementation & its applicational areas. He is selected as "Intel IoT Innovator" and inducted into "Intel Software Innovator" group. Entry in Limca book of records for National Record – 2015. Entry in India Book of Records – National Record and Appreciation. – 2017.

Seminar 2

Thamizh, Thamizhar, Thamizhiyal

Dr.Sindhya
Assistant Professor
Shrishakthi Engineering College

Ms. Sindhya, AP/CSE, Founder and President of International Tamil Cultural Research Foundation, Vice- President of Aiyai Women Forum .



A group of talented tamil women who is living in all over the world). have given a seminar on : "Tamil Tamilar Tamiliyal" on 8/8/18. An outstanding tamil cultute along with recent technology speech delivered & students got benefitted.

Workshops Conducted

Dept - IT

System First Thinking

Cyberdojo Developments

Mr. Jhon Jagger
Software Consultant
Somerset,England.

It is purely a " Technical workshop " conducted by Mr. Jon Jagger's on System thinking, founder of Cyber Dojo.

One day full hands on session on 11/8/18 is utilized & students got benefitted technically. Mrs. karthikeyani., AP/IT have helped & encouraged our students to get involved programmatically .



Events Happend

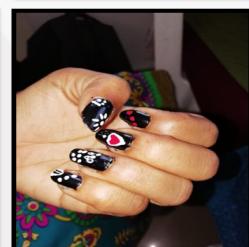
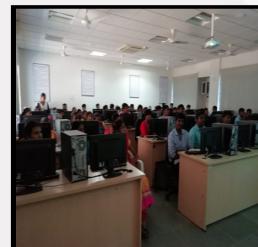
Hackathon

"Hackathon" a technical hunt have been conducted to 17/8/18 to 18/8/18 for 48 36 hours by KGSL Team, our 2nd year students, got the concession price.

Induction Programme for First Year Students

Two days induction program have been conducted for the first year students. Inorder to enhance coding knowledge &programming interest, RAPID ROUTER "CODE FOR LIFE" was conducted on 23/8/18-24/8/18, by our faculty members namely Mrs.Dhanalakshmi, Mr. Joel Anandraj, Mr. Rajasekar & Mr Sathish Kumar

Orientation program for first year IT students was conducted on 28/8/28-29/8/28. various technical & non technical activities events



Team Adal

Fitoi Fort is a team of 35 budding mechanical engineers intent upon making our mark on the world. The purpose of the formation of this team was to take part and win in the Rally Car Design Challenge conducted by Polaris in Rajasthan in India.



Fitoi Fort is a team of 35 budding mechanical engineers intent upon making our mark on the world. The purpose of the formation of this team was to take part and win in the Rally Car Design Challenge conducted by Polaris in Rajasthan in India. It gives us immense pleasure in proclaiming that we have achieved what we set out to do. The name Fitoi Fort literally means "Hard to Win" in Albanian a name chosen to showcase all the hardship faced by the team and the ultimate desire of victory that ensured we never gave up no matter what the odds. An All Terrain Vehicle had to be designed, manufactured and raced in the deserts of Bikaner.

The designing of the vehicle was carried out mostly in the CAD lab at KiTE. The design team lead by design team captain Vijay Mohan had to work day and night to achieve goals that many "experts" thought were unachievable in such a short period of time. However, with some luck and lots of prayers the design report was submitted just 2 mins before the deadline for submission closed. At this point the team faced a major crisis. Although we had been successful in the first round of selection with only 29 teams remaining in the competition we had hit a wall in terms of finances, after all we were only 35 students. What we decided to do in this situation is what would elevate Fitoi Fort to make us capable of achieving the great heights that we have scaled. We decided to approach the college for funds. It was a process that was bound to take a lot of time to go through, time being a valuable commodity that we did not have enough of. A bold step was then taken by Fitoi Fort to approach the Honorable Managing Director of KGiSL Dr. Ashok Bakthavathsalam in a last gasp effort. To our incredible surprise we were asked to meet up with his Personal Assistant Mrs.Preshitha Simon,a lady whose kindness would play a huge role in shaping the legacy of Fitoi Fort. Ashok Sir had granted us half the amount required for the completion of the project as sponsorship.

Team Adal

This truly was an act of God. Upon receiving of the sponsorship amount the team then proceeded to manufacture the All Terrain Vehicle known as "ADAL". ADAL, literally translated to Victory in Tamil is a symbol of pride and achievement for Fitoi Fort. The name was arrived at after much contemplation, eventually deciding that only a name that insinuates victory can be utilized for our vehicle. Even after all these struggles faced the manufacturing of the vehicle was not a silky, smooth road, on the contrary it was as rocky as the deserts of Rajasthan. Incredible Difficulties and insurmountable odds were faced by the team throughout the manufacturing process. The material required was only available in Mumbai, the design considerations had to be spot on with the rule book and on the other side the team was trying to get additional sponsorship from external sources. But like the design report the vehicle was also successfully manufactured. The vehicle was then tested for over 100 kilometers in a track provided by KGiSL with the consent of Ashok Sir. The performance of the vehicle was impeccable, a moment of joy for the entire team. The driver and navigator for ADAL were decided after a lot of consideration. They were made to undergo many tests that would test their driving, navigating and mental capabilities. Paul Kiran. M was decided to be the driver and Gokul R the navigator. It is more than fair to say we had the best pair in the entire race which played a crucial role in the path towards victory. The day we had to leave to Bikaner finally arrived and all good byes and good lucks were said at the Coimbatore Railway Station. The trip was again one filled with every kind of difficulty one might encounter on a trip to an unknown place. Food and sleep issues were the least of our worries because our focus was solely on victory. There in Rajasthan we had 3 subsequent races to show our capabilities and hard work, first race was Day race in which we won 1st all among the teams, second race was night race in that also we won 1st and finally in velodrome race we secured 2nd place and finally we won 2nd in overall considering every aspects of ADAL. This success was not entirely our own for real success never comes without help from bigger and greater people. Our special thanks to management, faculties and friends who supported us "This is not the end for Fitoi Fort, this is only the end of the beginning!"

Activities

Team Jatayu

The go-kart will be built from the ground up to maximize the efficient use of space, and to ensure that the needs of the client are met. We approached our design by considering all possible alternatives for a system & modeling them in CAD software like SOLIDWORKS and subjected to analysis using ANSYS 14.5 FEA software. Based on analysis result, the model was modified and retested and a final design was frozen. The design process of the vehicle is iterative and is based on various engineering and reverse engineering processes depending upon the availability, cost and other such factors. So the design process focuses on following objectives: safety and ergonomics, serviceability, strength, ruggedness, standardization, cost and aesthetics. We approached our design by considering all possible alternatives for a system and modeling them in CAD software SOLIDWORKS and subjected to analysis using ANSYS based on analysis result, the model was modified and retested and a final design was fixed. The design process of the vehicle is based on various engineering aspects depending upon:

- Safety and Ergonomics
- Market Availability
- Cost of the Components
- Safe Engineering Practices



Team Pegasus

A go-kart is a type of open-wheel car which come in all shapes and forms, from motor less models to high-powered racing machines. In some countries, go-karts can be licensed for use on public roads often referred to as street tracks.

Karts may seem like little cars, but there are some defining characteristics that separate them from ATVs or other tiny conveyances. Obviously, size is a big factor, but one major aspect of a kart is its complete lack of a traditional suspension; here the axle is firmly affixed to the frame, there is no differential (both rear tires turn at the same speed), and while things like camber and caster may be adjustable, there are no dampers or springs. Overall kart layout tends to feature a driver sitting beside a low capacity engine (generally 125cc or less) that uses either chains or gears to drive the rear axle. Traditionally, a kart has a single brake disc on the rear and nothing on the front (though that's not always the case), and the brake pedal is situated to the left of the kart, with the throttle on the right, forcing the driver to either learn left-foot-braking or go hurtling off course.

Karting is the safest, cheapest and, arguably, best avenue into motorsports for those with the desire to compete. It's also a dizzying sea of classes, chassis, engines, tires, tracks, rules, and affiliations, some of which are tightly controlled by global organizing bodies Guest lecture by Dr.N.Murugan. Professor, Department of Robotics and Automation Engineering, PSG College of Technology, on 4th Sep 2018.

In application of steel materials, while development of steel materials is solely important, progress in welding technologies making good use of advanced steel materials is also necessary and indispensable. In recent years, high tensile strength steels have progressively replaced mild steel, Progress in welding technologies adopting these materials is strongly demanded in order to make the best use of these high tensile strength steels and establish a global position of technological superiority.



Activities

Dept - S&H

Orientation Programme

Orientation Program has conducted for the fresher to freshen up their mind and thinking on 27st July 2018 between 10.00 and 2.00. Principal Dr. Lakshmanan addressed the gathering, then the session has taken by our esteemed Director Dr.R.Ravichandran kindled the minds of young ones by his inspiring stories.Received feedbacks from the students as well as parents.



Stress Management Programme

Stress Management Program has been conducted for the students from 28.08.2018 to 29.08.2018 by Dr.Deepa KG Hospitals on 28.08.2018 Dr. Ponni , Psychiatrist and Dr. Elamurugan , Head Faculty Development Cell have undertaken the Stress Management Program on 29.08.2018The stress management program really helped the students to control and overcome stress over things and lives.

Personality Development

Personality Development Program has been conducted by Mr.Aravind Soft Skill trainer, Kgisl Institute of Technology for the students to improve their attitude. He taught the students some important skills like life skill and goal setting. 30 - 08 - 2018.

Programs by department

Science and Humanity faculty members have taken a whole day to explain the students about their subjects 01-09-2018.