



GOVERNMENT COLLEGE OF ENGINEERING, KANNUR
COLLEGE UNION PRESENTS



5TH NATIONAL
TECHNO-MANAGEMENT
CULTURAL SYMPOSIUM
XPLOR'E'19

Dabble in the extraordinary

**"The Conflation of Sustainable & Pioneering
Technologies to beget an Empowered Society"**

EVENT BROCHURE

W.XPLOR'E19.IN



GOVERNMENT COLLEGE OF ENGINEERING, KANNUR

Established in 1986, Government College of Engineering Kannur is one of the elite institutes owned by the Government of Kerala. The college is functioning in a sprawling 68-acre scenic campus, having sound and self-sufficient infrastructure, at Mangattuparamba, near the National Highway, 15 k.m from the headquarters of Kannur district. It offers Bachelors, Masters & Doctoral Programmes in the field of engineering education and research.

The institute is recognized by Kerala Technological University as a 'Centre of Excellence in Systems, Energy & Environment' and it is also approved as a Technology Business Incubation Centre under the MSME (Ministry of Small and Medium Enterprises, Govt. of India). Research works are being carried out in collaboration with Delft University, The Netherlands, to display the cutting edge technologies from all over the globe. Over the years, the institute has created its own niche in the society through its achievements in and contributions to the industry & academics.

VISION

A world-class Techno-Management Cultural Symposium wherein educators, industrialists and students from every sect of society gather to discuss the rapid technological advancements of the current age. Xplore aims to promote technology, scientific thinking and innovation, emphasizing on applications rather than just engineering know-how, contributing towards the development of a modern India.

XPORE

National level Multi-Festival of GCEK

Established in 2007, Xplore is the National Techno-Management Cultural Symposium of Government College of Engineering Kannur organized by The College Union for encouraging technology, scientific thinking and innovation. Set up initially by a group of student visionaries as a humble symposium, Xplore now provides a unique platform for the students, intellectuals, and mavericks to showcase their talents and skills. With diverse themes and topics united by a thread of relevance in four days, Xplore strives for one and all to get inspired and look up to. It aims at developing sustainable solutions to alleviate the society of its banal yet significant problems with technology conclaves, fruitful discussions, fierce competitions and informative lectures.



Xplore'19 bears the agenda "The Conflation of Sustainable and Pioneering Technology to beget an Empowered Society". We seek to bring the leader

s of today and tomorrow on a common platform to deliberate upon ideas and issues that exist both within and beyond the realm of technology. A broad spectrum of themes has been included this year to apprise visionaries about the potential challenges that confront them and to pursue the dream of realizing a creative, inventive and a sustainable society.

Xplore envisions itself to become one of the largest techno-management cultural festival in India by attracting the most prominent and diverse voices from various facets of the society to collaborate and integrate innovation.

Xplore promises a host of conclaves, competitions and workshops centered around various interdisciplinary themes enriching the experience of innovation, competition and learning.

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HACK THE NIGHT

A 24-hour women hackathon

This 24-hour event provides an opportunity for female engineering participants of all levels of technical expertise to collaboratively develop tech-driven projects over the course of two days. Women Hackathon aims to provide an experience of building something by learning on the go, based on the problem statements and with the guidance of mentors.



AIRSHOW

We have come to recognize the feeling of not realizing where we're going. What's more, we've prepared ourselves to cherish it. Since it is just when we are suspended in mid-air with not a solitary entry to be seen, that we constrain our wings to disentangle and oh alas start our flight. Be that as it may, the supernatural is in the unfurling of the wings. You'll realize that inasmuch as you spread your wings, the winds will carry you forward. So quit limiting yourselves, join the Xplore 19's Aviosonic for the flight of faith.

CONTRAPTION

Every step is an action that triggers into another action and leading us to the final aim. Contraption is a chain of different 'energy conversion' steps in which fosters an interest in engineering by challenging students to create a system that will accomplish a specific task using a series of steps.. Contraption is a spirited live exhibition for students and is one of the exciting premier events in xplore'19.

DA-VINCI ROOM

The life and works of artist and scientist Leonardo da Vinci continue to fascinate us because, while he exemplified the Italian Renaissance, he transcended his time and place, inventing things like a helicopter 500 years before the technology existed to build one. This performance invites you to visit the workshop of Leonardo's mind where you can learn how a genius thinks.

EVENTS

AUTO SHOW

Only a lion's roar can stand in-front of vrooming engines in our arena. The Xplore-2019 edition presents our signature event AUTOEXPO with eye catching Royal Vintage Cars to Monstrous Bikes.

It's a triennial show that attracts a large crowd and assures you a life time experience.

Sourav Babu (8129599882)



EC SHOWCASE

Being a major engineering discipline that plays an inevitable role in the technical revolution that is happening around, Electronics and Communication Engineering is always a realm of novel capabilities. Xplore '19 presents EC Showcase. Step into this room where you get to know about the milestones, innovative ideas and the technologies that have shaped and is still molding this domain of engineering.

LUCI HELL

It is rightly said that "Darkness cannot drive out darkness, only light can do that".

Light up your brains by stepping into this magical dark room - the Luci Hell. See for yourselves and perceive the magic of the light and the dark.

HOME AUTOMATION

Heard about Domotics or the Home Automation?

In this era where almost every task is being automated, why not extend them to your homes? Enter the Abbadon's house and experience with zest the never-ending possibilities of home automation.

LED DANCE

Get ready to discover some sensational effects of light and dance from the same floor. Be there for the LED Dance and see the medley of LED and dance.

Take home a fascinating experience that you won't forget.

EVENTS

Competitions

ARD U KNOW

8k

The war has begun. Get ready to fight with your wisdom. Wield your knowledge as a damascene blade. Conquer your enemy with Arduino skills. The winner will become Arduino Master.

"Ard u know" brings you a platform to unleash your potential over Arduino uno programming. Aptitude evaluates your knowledge, . debugging and coding reveals your mastery.

Fastest and the most efficient one is the winner!

Arun Kumar PP (8156933654)

CIRCUITRIX

8k

Are you obsessed with sine and cosine waves? Can you face the challenges of CRO? Then here is your right destination. Wrench your brain, percolate your skills on wiring up and scrutinizing the analog circuits.

Circuitrix is the competition to test your passion on circuit designing. Expose your knowledge and grasp the prize.

Fastest thinkers first!!!

Vishnusharma (9495263897)

LOGIC DESIGN

8k

Are you messed up with 1 and 0? Or can you place them on unmitigated positions? If you can juggle them, then dare to face the consequences. Digitalise your brain and build up your kingdom of digital circuitry.

- Logic design is a competition based on logic circuits. Enter to the match with your knowledge and build your circuit with fewer components.
- If you're smarter enough, then hold the prize

Arun Kumar PP (8156933654)

Competitions

LATHE MANIAC 9k

Are you a good manufacturer? Lathe maniac is a competition which test the manufacturing skill of a mechanical engineer. You will be given a design and you should manufacture the given design using lathe within a stipulated time. The one who finishes the work within minimum time will grab the prize.

Muhammed Rinshid (9746086692)

Mr MECH 15k

Get ready to prove the stream of mechanical in your blood. Xplore'19 gives you an opportunity to show off your skills in design, manufacturing & theory of mechanical engineering and to stand out from the crowd. Be there folks!.

Salman Faris (9446931485)

HYDRORANGER 9k

Hydroranger or aquastrike is not for light hearted... As the name suggest it is a water rocket launching competition. The talented engineer who will design and launch the best water propelled rocket will steal the show...

Work in a team, design a rocket from a bottle and scraps, place it on the launch pad and here it

Sreerag R K (7012249304)

PITSHOP MASTER 10k

Pitshop is where a racing vehicle stops in the pits during a race for refueling, new tyres, repairs, driver change, as a penalty or any combination of the above. If you got mad with this, we provide a chance to create a mock pitshop. All you have to do is to fit a car tyres as quick as possible.

Form a team beat the best!!! Let's be the part of Xplore'19

Anand Shaji (8289820814)

Competitions

RUBIK'S CUBE

6k

Rubik's Cube is for fastest fingers and sharpest minds. Rubik's Cube is a puzzle consisting of a cube with colored faces made of 26 small colour blocks attached to a spindle in the center. Your objective is to rotate and reshuffle the block and solve the puzzle in split seconds. Grab your cubes, practice your moves and get ready for the challenge!!!

Akshay Rajeev (9495261646)

ROBOYODHA

20k

Let the wars begin... It's time for war, pilot! Are you ready for surprise attacks, intricate tactical maneuvers and the many sneaky tricks your rivals have in store for you? Destroy enemy robots, and prove the strength, speed, and durability of your robot. Use the best of your strategies and tactics to emerge victorious from the battlefield! This is the real test for your skills.

Fayaz T K (8848613113)

THE FINAL DESTINATION

6k

Get ready for the hunt folks. Is your squad wise enough to crack the clues and discover the ultimate treasure? Then lace up your boot for the haste. Pace and perception wins the game. Get ready for the hunt folks!

Akshay I (9497030048)

Competitions

GOLIATH

7k

Ever wondered how constructions are carried out at the heights of a skyscraper ? Or even at the upper floor of a 2 storey house ? Although it may look rudimentary, the science of scaffolding construction is a complicated one. Team up with three of your friends and take a shot at constructing a working scaffolding with the given materials and time frame in GOLIATH.

Rahina (7909199381)

TECH PIRATES

7k

Looking for a unique team building activity? Then, no doubt, you have arrived at the right platform. We present you TECH PIRATES as a part of XPLOR '19 and we assure you that this treasure hunt will take you on an amazing adventure inspiring masses of fun and creativity. Each group is allowed to have 4 members and will be provided with necessary clues (civil related) at different stages. Exciting prizes are awaiting. Do participate.

Ajay Swaroog (8281879464)

BEST TECHIE

6k

"We shape our buildings, thereafter they shape us." -Winston Churchill. As we all know that Civil engineers are central figures in community development. Without their unique talents, communities would not grow and prosper. As a part of Xplore'19 we offer you a platform to test your inner engineering skills and to transform you to a professional civil engineer. Here, your brain will be sent through a series of rounds where knowledge and skills are put through its paces.

Aiswarya (9496175754)

ESCAPAR

7k

Winning the race is always a pleasant moment for everyone. This becomes even more interesting without having an idea about how you reach the destination. Using your presence of mind to tackle the unknown obstacles which come across your path, unwrap the enclosed hints and escape the mess awaiting you.

Amritha (7593907841)

Competitions

RUBE GOLDBERG

7k

There isn't anyone on the planet who can deny the pleasure of watching a good Rube Goldberg machine. For those of you who don't know, Rube Goldberg machines are : Complicated, deliberately over-engineered contraptions that ultimately perform a very simple task. Ironically, they're rarely (if ever) built. One step triggers the next in a chain reaction until the final task is complete. Once it starts, it's practically impossible to peel yourself away from the anticipation of what's coming next. Come join us at Xplore' 19 and unleash your craziness and creativity and who knows you might emerge out as the best one.

Sivamanikandan (7034038306)

3R AMBASSADOR

7k

We live in a disposable society. It's easier to throw things out than to fix them. Are you a creative thinker?? Do you have the confidence and ability to see the unseen in thrown away stuffs and scrap?? Well then, Xplore'19 presents you with 3R Ambassador. Come showcase your out of the box ideas to create the best out of waste provided !!! Join in the race with your buddy and be the AMBASSADOR of GCEK in trash management

Aryanjali (9562120605)

Competitions

LUNATIC BYTE

15k

The power of a team, the mix of unique talent that can never be replaced by a single head. Do you have a team who can be spontaneous and bring out some great ideas? Then, here is the right opportunity to showcase your team spirit by developing a tech-driven project for a given problem.

Be there to bring some sparks..!

Harin Ramesh (8078330286)

CODE RELAY

10k

When you do a part of the code and pass the baton , there is no sense of unfinished business in your mind. There is just the sense of having done your part to the best of your ability. That is it. The hope is to pass on the baton to somebody who will run faster.

Can you team of 3 reach the finish line faster than others?? Then you have landed in the right spot.

Vishnu C (8606379913)

TRAIL BLAZER

6k

Can you reach your destination from a given point, across the vastness of Internet using only the links embedded in website to navigate?

Surf the web manually, site by site, click by click and reach the right place. Let's see if you know the right tactics to get your prayers answered!

Adarsh T V (7034177599)

BLIND CODING

6k

Battling against a blind computer with your eyes open.
Ever thought of writing the codes with MONITOR OFF? Got good hands in coding? Then be here to battle against a blind computer with your eyes open. Your screen might go blank, but your mind can't!

Ashwin K (7025919680)

Competitions

SHERLOCKED

6k

What's cooler than a fun treasure hunt?

Clear vision holds the key. Can you decode the puzzles, riddles, codes and problems quickly and unlock yourself from a locked room?

Then you are at the right spot! Get ready to showcase your brilliance...

Vishnu C (8606379913)

BACKTRACK CODING

6k

In the world of coding are you the best of best?

Have you got bored coding in the same manner. Then take a diversion from normal way of coding. Get ready to code in a bottom-up approach to reach the problem from the given solution

Manish Jayan (8281577130)

FIFA

4k

Xplore brings you the ultimate showdown for FIFA enthusiasts. Step on the field, show your fancy skills, dribble your way past the opponent and score that goal. Play it out until the final whistle.

Gopal K M (8547199843)

NFS

4k

Fuel up your car, stock up your nitrous and battle it out on the streets to earn the right to be the most wanted.

Dhyan (9447342285)

PUBG

4k

Plan your move, unleash your fighting spirit and battle it out to be the last man standing. There is much more than a chicken dinner on the line.

Roshith K K (9947030623)

Competitions

LIGHT THE WAY

6k

Looking forward to new challenges? Then polish your skills and get ready. Show up and accept our challenge to wire. Unleash your wiring skills and make the impossible, possible.

Be there to....LIGHT THE WAY

Athul VK (9895271775)

DYSON SPHERE

7k

"A good idea becomes great idea when you let it out"

To polish the innovative spirit among young minds and to ignite the spark of excellence, here it comes...

Invest in your dreams.. Grind now.... Shine later.....

Dhishna (9072163254)

'APP'LE

10k

Still downloading the apps from google playstore?

It's time to build your very own...

Here we announces 'APP'LE - Android app designing contest

"Challenge your limits and design your own application...

Don't miss the opportunity"

Swathi Sukumaran (9061672272)

LAB MATHEMATICA

7k

"Feeling a little uncomfortable with your skills is a sign of learning and continuous learning is what tech industry thrive on".

Here it comes the opportunity to compete..

Sharpen your programming skills while having fun and Let's compete

for the most efficient coder.

Varadha (9746928362)

CIRCUITRY

6k

"Solving a problem takes huge effort and when you finally solve it it's like the pinnacle of success "

Let your brains work solve the problem and etch your way to victory

Rahul A (8921744539)

CULTURAL

Competitions

IZRAAZ

40k

Get ready to dance your heart out!

Xplore '19 is setting up the stage to showcase your moves as you move with the beat. Join us and be a part of CHOREO NIGHT.

Theertha (9895579104)

XQUISITE

40k

Bring your inner model and personnel style to the ramp. Be a part of the Fashion show organized as a part of Xplore '19.

Anjana (8281154826)

CAPTURA

5k

Xplore '19 unboxes "CLICK OF BLISS" the photography competition... Grab your camera and replicate the world before you.

Harikrishnan (9496656977)

AUTEUR

5k

"Are you capable of speaking your mind visually???"

Then, here is a golden chance awaiting u...

Xplore '19 - The National level multifest unveils "AUTEUR" short film competition.

Navneeth Shankar (8281278764)

ARTISIA

5k

Paint your true colours! Creativity knows no bounds and your colors are not restricted to paper. Xplore '19 is organizing a FACE PAINTING contest. You may put on your creative hat and bring a masterpiece served on a face.

Thejaswi (7558045812)

MANAGEMENT FEST

Competitions

IDEATE

35k

Good at building up something new with blocks of different shape and size, then the mike is all yours to amplify your fresh and different ideas to pile up a start up..

Vishal (9895626750)

Mr. & Ms. Xplore

25k

Mr and ms xplore is an excellent podium for all the creative men and women who can energize the crowd with their walks and talks.

Bless (9567137792)

ENIGMA

35k

Are you an engineer with hoarded skills to manage wisely then the engine is all yours to accelerate and break in with the finest solution to solve the puzzle..

Ashika (9048609570)

Competitions

PROJECT PRESENTATION

30k

Do you have innovative and strong ideas that have the potential to change the world ? Are you confident enough to present them before a crowd?

Then, get ready for that as a golden chance is awaiting you.

Xplore' 19, in association with IEEE SB GCEK, is all set to conduct a Project Presentation Contest for the innovative minds.

Nikhil (98473017494)

PAPER PRESENTATION

30k

"Science can amuse and fascinate us all, but it is engineering that changes the world." ~Isaac Asimov

Xplore 19, in association with IEEE SB GCEK is conducting a technical paper presentation. It is an amazing opportunity to showcase your ideas on a unique and massive platform in the form of a well integrated and intriguing presentation. It strives to explore the inquisitiveness of young minds by giving their incredulous ideas a definitive direction.

MRINAL(8137977937)

Competitions

QUADRONE

21k

Are you an aviation enthusiast with some crazy skills to fly a drone? Then hop on the pilot seat and steer your path to the victory point with your drone. Compete against the best drone controllers to win the ultimate jackpot.

Sayanth (9605636081)

MUDRACE

6k

Ready to get some dirt on the wheels and tackle some exciting and tough obstacles in the least time? Then here is your chance to prove your mettle and take away the prizes. Bring your bots and let's Get, Set, Go

Varunraj A V(9048713414)

ROBOSOCCER

6k

Its football time and no one plays it better than engineers. Robosoccer fuses technology with sports by presenting football in an entirely new dimension. Come to our arena and have fun with the bots. Create exciting soccer bots and play against your opponents in one on one matches. Boot up and train yourself to be winners.

Nijil (9744602021)