SLIET 24

SANT LONGOWAL INSTITUTE OF ENGINEERING AND TECHNOLOGY

Deemed-to-be University, under MoE, Govt. of India
Longowal 148106, Sangrur, Punjab

techFEST '24

5TH - 6TH APRIL 2024

FUTURE FORGE

Engineering, Innovation & Sustainability

EVENT BROCHURE

ABOUT SLIET

Established in 1989, Sant Longowal Institute of Engineering and Technology (SLIET) embarked on a journey towards technical excellence since its inception. Institute is accredited with Grade A by NAAC. The institute awards its own Certificates, Diplomas, Undergraduate (NBA accredited) and Postgraduate degrees (approved by AICTE, New Delhi) as per multi-entry and multi-exit policy of NEP-2020. The institute has a sprawling area of 451 acres surrounded by lush green land. The campus presents a spectacle of harmony and natural beauty. SLIET provides an extensive platform through several clubs and societies for the personality development & upskilling of students.

11
DEPARTMENTS

TIER 1
UNIVERSITY

4000 +
STUDENT BASE

ABOUT TECHFEST

50 +
EVENT

10000+
STUDENTS

27+
YEARS LEGACY

techFEST'24 serves as a crucial platform, empowering the next generation of engineers to pioneer transformative innovations, positively impacting both society and the future of technological progress. techFEST'24 offers a diverse range of opportunities for students to showcase their talents and make a positive impact on the world. it is a platform for young engineers to come together, share ideas, learn from each other and work towards a common goal of creating a sustainable future

THIS YEAR'S TAGLINE

Future Forge

The vision of techFEST'24 aims for sustainable development with the help of modern techniques of technology. It directs its focus on redefining the limits and concepts of sustainability and innovation. This event vision is designed in such a way that, it strives to bring out student's enthusiasm, their learning spirit and elevate their skill level.

DOMAINS

- Robozar (Robotics)
- Aarambh (Pre-Fest)
- Atomheimer (Science)
- GENESIS (M&H)
- Chemica (CET)
- Electrica (EIE)
- Mechanica (ME)
- Electronica (ECE)
- Plexus (CSE)
- Venture Vault
- Kermis (Gaming)
- Food-o-crats (FET)
- KaryaRachna (Model Exhibitions)

SLIET 24

AARAMBH

WORKSHOPS

Join us for the Workshops event at Aarambh, the pre-techFEST'24 event. It's a golden opportunity to gain valuable insights and knowledge from industry experts. Don't miss out on this chance to learn, innovate, and excel in your field of interest.

techFEST OLYMPAID

Step into the arena of knowledge with 'techFEST Olympiad'. This Science Olympiad invites school students at various levels to showcase their scientific prowess. It's a platform where young minds meet challenges, ignite their curiosity, and celebrate the joy of learning.

VAGUE- THE IDEAS UNBOUND

Step into the realm of the unexplored with 'Vague - The Ideas Unbound' at Aarambh, the pre-techFEST'24 event. Here, imagination knows no bounds and ideas defy the ordinary. Dive into this enigmatic journey where the vaguest of events unravel the most profound insights.

PASSION SHOW

Unleash your creative spirit at the 'Passion Show' during Aarambh, the pre-techFEST'24 event. Witness the fusion of fashion and engineering, where innovation meets style. Come, share the reels of fashion, and let your passion for technology take centre stage.

ENGINEERING PARLIAMENT

Experience the thrill of debate at 'Engineering Parliament' during Aarambh, the pre-techFEST'24 event. Engage in riveting discussions on engineering innovation and sustainability. It's where ideas clash, perspectives broaden, and the future of engineering takes shape.

FAKE INVESTOR

Dive into the world of finance with 'Fake Investor'. It's a thrilling competition that gives you a real-time feel for investments, bidding, and profit maximization. So, put on your investor hat, make strategic bids, and see your virtual wealth grow!

TECHNICAL MOVIE SHOWS

Get enchanted with 'Technical Movie Shows. These weekend movie shows are designed to inspire, motivate, and spark innovation. So, grab your popcorn, sit back, and let the world of technology unfold on the big screen!

ROBOZAR

ROBOWAR

Join us for the Workshops event at Aarambh, the pre-techFEST'24 event. It's a golden opportunity to gain valuable insights and knowledge from industry experts. Don't miss out on this chance to learn, innovate, and excel in your field of interest.

MARGDARSHAK

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JARVIS CUP

Jarvis Cup is like a robot soccer game. Teams make robots that can score goals against each other.
• It's about controlling robots wirelessly, and trying to win by scoring more goals.

HOVERMANIA

Hovermania is a competition where teams build hovercrafts that can be controlled from afar and can move smoothly.

MECHANICA

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SLIET Longowal's Annual Technical Fest

TRUSS LOAD

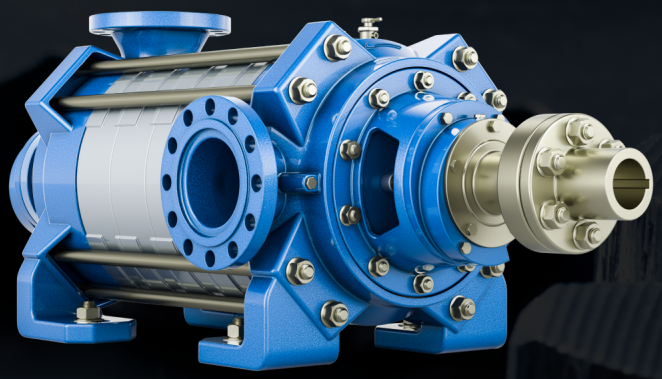
• Test and analyse truss structures under varying loading conditions. Participants are tasked with the challenge of designing and constructing a truss structure that maximizes load-bearing capacity and achieves an optimal weight balance.

DESIGNER

Designer is an exploration of 3D design. Participants are challenged to craft models that blends aesthetics with functionality, fostering creativity, technical acumen, and an astute understanding of design intricacies.

HYDRALOAD

Hydraload is an application of understanding of fluid mechanics, pressure dynamics, and force distribution to engineer hydraulic systems.



FABRIQUER

Participants are thrust into a realm where theoretical knowledge meets practical application, tasked with fabricating machines that embody precision, efficiency, and ingenuity. From stamping to welding, cutting to bending, and beyond, this event celebrates the synthesis of skill and innovation.

E.S.T (EARTHQUAKE STRUCUTRE TEST)

Participants are emboldened to design and construct structures capable of withstanding simulated earthquake conditions, marrying principles of structural engineering with a nuanced understanding of material properties and seismic design.

POSTER AND PAPER PRESENTATION

Present your smart ideas, solutions, and innovations for using technology to solve problems at our Poster and Paper Presentation event

CHEMICA

CHEMI-STORM

A spectacle of molecular choreography and enchanting reactions, showcasing idea alchemy in chemical engineering, empowering atomic transformations.

SOAP AND PERFUME FRAGNANCE MAKING

A fusion of science and art, creating aromatic symphonies. Discover quality control secrets in this sensory realm of soap and perfume crafting.

JAM SESSION

A platform for eloquent wordplay, igniting the art of communication. Assert your voice in the arena of chemical dialogue.

CHEMI-MYSTERY

An exploration of chemical enigmas through a tri-round quest, challenging knowledge, stimulating curiosity, and enhancing chemistry comprehension. Solve mysteries, one query at a time.

APPLICATION OF LITHIUM BATTERY

Construct a lithium battery based model with the usage of eco-friendly chemical reaction inside the battery

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FOOD-O-CRATS

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ZERO WASTE PRODUCT FORMULATION CHALLENGE

Watch chefs whip up tasty meals while being super smart about waste. See how they use ingredients wisely, cut down on packaging, and turn kitchen scraps into delicious dishes that don't mess with the planet.

SUSTAINABLE FOOD TRIVIA TOURNAMENT

•A fun quiz that tests what you know about being kind to the planet when it comes to food. It's about cool eco-friendly cooking tips that cheers for a greener way of eating.

INNOVATIVE PRODUCT DEVELOPMENT

Creative minds come up with cool ideas to make our food habits better for the Earth. New products that tackle eco challenges, reduce waste, and make our meals healthier.

ON-THE-SPOT FOOD PRODUCT CREATION & MARKETING COMPETENCY

Cook up delicious meals and show off your business skills. Culinary geniuses set up food stalls, aiming for both tasty treats and a successful business.

POSTER AND PAPER PRESENTATION

Amazing ideas to make our world more sustainable. It's about the latest research and smart solutions to make a real difference at the Sustainability Symposium.

PLEXUS

CODE-O-SOCCER

Join us for the Workshops event at Aarambh, the pre-techFEST'24 event. It's a golden opportunity to gain valuable insights and knowledge from industry experts. Don't miss out on this chance to learn, innovate, and excel in your field of interest.

DATA DIVE

Step into the arena of knowledge with 'techFEST Olympiad'. This Science Olympiad invites school students at various levels to showcase their scientific prowess. It's a platform where young minds meet challenges, ignite their curiosity, and celebrate the joy of learning.

PIXEL WIZARD

Step into the realm of the unexplored with 'Vague - The Ideas Unbound' at Aarambh, the pre-techFEST'24 event. Here, imagination knows no bounds and ideas defy the ordinary. Dive into this enigmatic journey where the vaguest of events unravel the most profound insights.

AL CHIT - CHAT

Unleash your creative spirit at the 'Passion Show' during Aarambh, the pre-techFEST'24 event. Witness the fusion of fashion and engineering, where innovation meets style. Come, share the reels of fashion, and let your passion for technology take centre stage.

POSTER AND PAPER PRESENTATION

Paper Presentation is where you share your research papers with peers. It's a platform for presenting your findings and engaging in academic discourse

ELECTRICA

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DRONEX

Build a wireless remote-controlled flying drones to navigate the obstacle course without crashing, aiming for the fastest time.

SOLAR ROVER

Make a solar car that can handle track challenges and try to win the race. Use high-tech solar panels that move with the sun for maximum energy.

SUN SYNC QUEST

Design a system to track solar panels so they always face the sun, getting the most energy possible.

CIRCUIT MANIA

Design your own circuits to solve challenges and show off your skills, whether you're a beginner or an expert.

POSTER AND PAPER PRESENTATION

• Present your smart ideas, solutions, and innovations for using technology to solve problems at our Poster and Paper Presentation event

ELECTRONICA

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ECO-POWER DESIGN CHALLENGE

Design and implement sustainable electrical systems to save energy and renewable sources. Explore different aspects of Electronics Engineering to help the environment.

IoT CHALLENGE

IoT Challenge focuses on technology and sustainability. Participants will work on projects that use electronics and technology to help the environment.

ELECTRONICS DESIGN CHALLENGE

Create practical solutions using your electronics mind. Participants will design electronic circuits to solve real-world problems.

WIRELESS COMMUNICATION HACKATHON

Explore wireless technologies like Bluetooth and Wi-Fi to create new solutions for IoT and smart devices. Participants will develop projects using wireless technologies to solve real-world problems in IoT, smart homes, and wearable devices.

POSTER AND PAPER PRESENTATION

- Present your smart ideas, solutions, and innovations for using technology to solve problems at our Poster and Paper Presentation event

KERMIS

FUN CRICKET

Fun Cricket is all about exciting matches, friendly competition, and creating unforgettable memories.
Bring your basic cricket gear

ONE PIECE

Embark on a treasure hunt filled with challenges, mysteries, and excitement. Gather your crew, embrace your inner pirate, and get ready for an immersive journey through the world of One Piece.
Work together to solve clues and find hidden treasures.

BATTLE ROYAL

Dive into the action with 'Battle Royale: BGMI Edition'! Compete in intense battles for the ultimate victory.

SHATRANJ

Explore wireless technologies like Bluetooth and Wi-Fi to create new solutions for IoT and smart devices. Participants will develop projects using wireless technologies to solve real-world problems in IoT, smart homes, and wearable devices.

KARYARACHNA

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KRITIM- WORKING MODEL

Kritrim - Working Model is a platform to solve modern problems with practical solutions. Create sustainable solutions that save money, reduce waste, and use less energy.

KRITIM-SEMI WORKING

•Kritrim - Semi Working Model lets you present sustainable models that may not be fully operational but show practical ideas. It's a chance to share your innovations with others.

JUGAAD

Jugaad challenges you to explore and use waste or unused materials creatively to create prototypes that help reduce pollution and promote sustainable resource use or energy generation.

HACKATHON

Hackathon is where teams develop solutions of big problems. It's a chance to collaborate, innovate, and present ideas to make a difference.

ATOMHEIMEER

LENS IMAGEX

ICD students will create lens models, showcasing optics knowledge. Models will be judged on creativity, impact, and image properties. Awards for top models.

FARADAY EFFECT

ICD students will create lens models in a single round. Judging will be based on creativity, impact, and image properties. Top models will be awarded.

SPLASH ROCKET

Jugaad challenges you to explore and use waste or unused materials creatively to create prototypes that help reduce pollution and promote sustainable resource use or energy generation.

LASER BITZ

Hackathon is where teams develop solutions of big problems. It's a chance to collaborate, innovate, and present ideas to make a difference.

ASTRO QUIZ

Participants take an online quiz, with top scorers advancing to an offline quiz in round two.

POSTER AND PAPER PRESENTATION

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GENESIS

VIRTUAL BID

Experience real-world bidding wars and gain valuable exposure under 'Virtual Bid'. Strategize and enjoy the thrill of virtual trading.

ADHYAN

Adhyan, engage in case studies, challenge norms, and create revolutionary ideas.

UDHYAM

Udhyam, a competition of eloquence and persuasion where communication is key. Let your ideas captivate the audience.

POSTER AND PAPER PRESENTATION

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VENTURE VAULT

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Venture Vault at techFEST'24 is a unique platform connecting innovation with industry expertise. It offers personal mentorship, seed funding, and feedback from industry experts. This event is a significant opportunity to refine your ideas and interact with industry leaders. Don't miss this chance to elevate your venture.

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INTERESTED OR HAVE ANY QUERIES?

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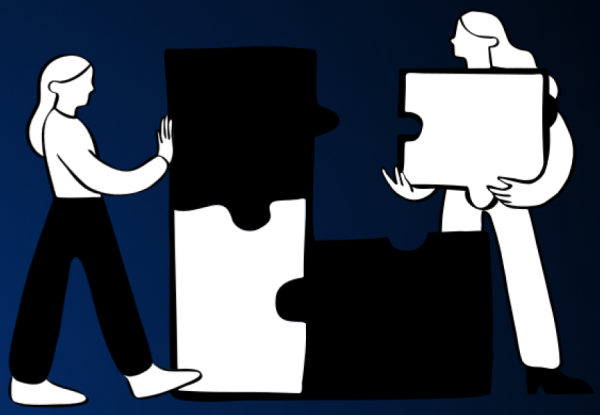
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