

KRIYA 2025

Global Clash Of Techno Talents

Kriya 2025 is an intercollegiate technical symposium where innovation meets expertise - happening on March 14, 15 and 16th, 2025. Join us to explore cutting-edge technologies and gain valuable insights from industry leaders!

List of event names:

- "CodeHub"
- "NUMERIX"
- "Runway Rush"
- "HackQuest "
- "RoboSumo"
- "INNOVATION FORUM"
- "Kriya Open Quiz"
- "Auction to Action"
- "Binary×Forge"
- "Quizzy Crushy: Auto Edition"
- "TaskOps"
- "COUTURE CHRONICLE"
- "Fortune Flick"
- "Elegance to the Road: Innovate Assemble Drive"
- "Forensicist"
- "SpeedDrifters 2.0"
- "Codopoly"
- "CodeStorm"
- "Aero Glider"
- "Innovator's Quest"
- "TRY AND TRIUMPH"
- "CIVIL SHOWDOWN"
- "Civilphilia"
- "Circuitzyzer"
- "TechTrails"
- "WhizZone"
- "TechWhiz"
- "Mindventure"
- "Auto Arena"
- "Astral Arena"
- "ROBO RALLY"
- "Fashion Faceoff: The Ultimate Fashion Quiz"
- "TeeStory: T-Shirt Design Challenge"
- "Solar implant"
- "CRITICAL THINKER"
- "Levitas"

The event categories:

- **CODING** : CodeHub, HackQuest, Binary×Forge, Codopoly, CodeStorm, TechTrails
- **SCIENCE** : NUMERIX, Fortune Flick, Forensicist, TRY AND TRIUMPH, Circuitzyzer, WhizZone, Astral Arena
- **FASHION AND TEXTILE** : Runway Rush, INNOVATION FORUM, COUTURE CHRONICLE, Fashion Faceoff: The Ultimate Fashion Quiz, TeeStory: T-Shirt Design Challenge
-
- **GOLD** : RoboSumo, Kriya Open Quiz, TaskOps, SpeedDrifters 2.0, Aero Glider, ROBO RALLY
- **CORE ENGINEERING** : Auction to Action, Elegance to the Road: Innovate Assemble Drive, Innovator's Quest, Civilphilia, TechWhiz, Solar implant, CRITICAL THINKER, Levitas
- **BOT** : Auto Arena

List of Workshops:

- "Edge AI Based Embedded System"
- "Crack The Code"
- "Sensor Interface and Integration"
- "Design and Analysis of EV Traction Motor Systems"
- "Cloud - Edge Systems in Industrial IoT Applications"
- "Laser Material Processing"
- "MedXplore"
- "NEURONS TO NETWORK: Fundamentals of Computational Neuroscience "
- "Introduction to GenAI and various GenAI models"
- "Touch Tech Unleashed: Mastering Displays in Hands-On Sessions"
- "ARC - AI-driven Resilient Cybersecurity"

List of Paper Presentations:

- "ADVANCE METHOD OF REFRIGERATION AND AIR CONDITIONING"
- "Technoration",
- "அறிந்தமிழ் கூடல்"

Details of all events:

```
[
  {
    "eventName": "CodeHub",
    "category": "Coding",
    "description": "CodeHub is an exhilarating coding competition designed to test participants' logical thinking, problem-solving skills, and programming expertise. The event features rounds involving algorithmic puzzles, debugging tasks, and hands-on coding challenges to inspire creativity and precision. Participants will compete in teams of two to tackle progressively difficult problems, demonstrating their ability to think critically under time constraints.",
    "round_title_1": "CodeDetect",
    "round_desc_1": "Participants will compete in a fast-paced, interactive quiz designed to test their programming acumen. Using the Kahoot platform, teams must quickly identify and fix coding errors, complete incomplete code snippets, and predict outputs. This round focuses on essential coding skills like debugging, syntax understanding, and logic building.",
    "round_title_2": "Decode",
    "round_desc_2": "Teams of two will showcase their analytical and problem-solving skills by deducing algorithms from given input-output examples. Participants must identify the underlying logic, write its pseudocode, and implement the solution in Python or C. This round tests creativity and algorithmic thinking under time constraints.",
    "round_title_3": null,
    "round_desc_3": null,
    "round_title_4": null,
    "round_desc_4": null,
    "location": "G404,405",
    "teamSize": "2",
    "date": "15",
    "timing": "9.30 AM -12.30 PM",
    "registration closed?": false,
    "eventRules": "ROUND 1 RULES:\n->1. Teams will compete in real-time to solve multiple-choice and puzzle-based questions.\n\n2. Questions will focus on identifying errors, completing syntax, and predicting code outputs.\n\n3. Speed and accuracy will determine the scores, with top teams advancing to the next round.\n\nROUND 2 RULES:\n->1. Teams will receive input-output pairs and must deduce the algorithm generating the outputs.\n\n2. Both pseudocode and the actual implementation (in C or Python) must be submitted.\n\n3. The difficulty level increases with each problem.\n\n4. Points are awarded based on:\n\nCorrect identification of the algorithm.\n\nClarity and correctness of the pseudocode and implementation.\n\n5. Time is limited for each problem.\n\n6. Participants must bring their own laptops for this round.\n",
    "contact_name_1": "P .K. Suriya",
    "contact_mobile_1": "8825521669",
    "contact_name_2": "B.Bharathy Abinaya",
    "contact_mobile_2": "8524974767"
  },
]
```

```

{
  "eventName": "NUMERIX",
  "category": "Science",
  "description": "This event tests participant's mathematical skills in three exciting rounds. In Round 1, solve a mathematician's photo puzzle to unlock a Nanogram challenge. Round 2 features Bingo with a twist, cross out prime factors of announced number to win. In the final round, teams face a buzzer-based quiz across six math subtopics, strategically avoiding one topic.",
  "round_title_1": "Nanogram Quest",
  "round_desc_1": "Participants have to solve a photo puzzle of a mathematician. Once they figure out the puzzle, they will unlock a Nanogram puzzle. A Nanogram is a fun logic-based puzzle where you need to fill in a grid with numbers based on clues to reveal a hidden pattern.",
  "round_title_2": "Factoria",
  "round_desc_2": "Participants will enjoy a unique twist on Bingo. Instead of traditional numbers, players will mark off prime factors of the numbers called out. Players must identify and cross them off on their bingo cards. The goal is to complete a line, column, or diagonal by marking off all prime factors of the announced number",
  "round_title_3": "Math Buzzer",
  "round_desc_3": "Participants will compete in a buzzer-based quiz covering six math subtopics. Each team will participate in five subtopics and strategically avoid one subtopic. Teams must answer questions quickly and accurately to earn points. The team with the highest points at the end of the round will be declared the winner.",
  "location": "J310, J313, J314",
  "teamSize": "1-2",
  "date": "15",
  "timing": "9:30 AM - 12:30PM",
  "registration closed?": false,
  "eventRules": "ROUND 1 RULES:\n->Both the photo puzzle and the Nanogram must be completed within the given time limit.\nOnce an answer sheet is submitted, teams cannot retrieve it for changes or corrections.\nTeams are not allowed to use external resources (like mobile phones, calculators) to solve the puzzles.\n\nROUND 2 RULES:\n->Teams must mark only the prime factors of the announced numbers on their Bingo cards.\nTeams should carefully verify each prime factor before marking to avoid penalties for incorrect entries.\nOnce a team calls out 'Bingo!', their card will be checked. Incorrect claims will result in penalties or disqualification.\nTeams are not allowed to use external resources, such as calculators or phones, to identify prime factors.\n\nROUND 3 RULES:\n->Participants must press the buzzer to answer the questions.\nThe first two teams to press the buzzer will be given the chance to answer.\nCalculators are allowed to assist in solving questions.",
  "contact_name_1": "Kavya Shree Ranganathan",
  "contact_mobile_1": {
    "$numberLong": "8220998080"
  },
  "contact_name_2": "Ibrahim Jameel I S",
  "contact_mobile_2": {
    "$numberLong": "9940013677"
  }
},

```

```

{
  "eventName": "Runway Rush",
  "category": "Fashion and Textile",
  "description": "This is an event where the participants will be competing based on their knowledge on fashion and experience real time auction. The preliminary two rounds would test their knowledge on how will they use the given amount of cash to buy the desired style of garment and fabric. Then the main part of this event which is to sew a miniature garment of the style and fabric they chose, within the rules provided.",
  "round_title_1": "Bid, buy and sew a garment",
  "round_desc_1": "The are total of 3 phase in the game \r\n\r\nPhase 1 Style Selection :\r\n\r\nThe participants will be given with the initial amount of virtual money. Various garment with different style is displayed to the participants before hand, with the given amount of money the participants will start to bid on the style of the garment they need. The participants with the maximum bidding amount will get the desired style. The participants can choose the style of garment by considering the factors like time limit and how convenient is to sew the style. The objective is that the teams should choose the style which is convenient for them and also save some amount of virtual money for the next round to buy fabric. This allows us to know how will the participants manage the amount of money given to them.the bidding technique used in this phase is English auction \r\n\r\nPhase 2 Fabric Auction :\r\n\r\nthis round the teams will use their remaining amount of virtual money to buy the fabrics . The fabrics which are available will be shown before hand to the participants, each team will be presented with a selection of fabrics, each possessing unique characteristics and a well designated price, they have to select two fabrics. The objective is for teams to strategically bid on the fabrics they believe will best complement their chosen design concept or style, keeping in mind the budget constraints established in the previous round. The type of auction done in this phase is Dutch auction.The fabric auction will not only test the teams knowledge of various fabric types and their application in fashion design, but also their ability to manage a limited budget effectively. This round emphasizes both creativity and financial acumen, requiring participants to balance their aesthetic judgment. By the end of this round, the teams will have gathered a collection of fabrics suited to their designs, setting the stage for the next phase of the competition.\r\n\r\nPhase 3 Sew the Garment:\r\n\r\nBy using the garment style and fabric which is brought in round one and two, the participants will sew a miniature garment in the given measurements within the time limit. The participants have to incorporated the exact style which they have chosen in round 1. \r\nThe participants will be evaluated on the basis of their technical skill: How well is the garment constructed? Are the stitches even, secure, and visually appealing? And also Design fidelity: How closely does the finished garment resemble the chosen style? Are the design elements accurately executed?",
  "location": "J 415 and Garment construction lab (K Block - 3rd floor)",
  "teamSize": "2",
  "date": "14",
  "timing": "1.30 PM - 4.30 PM",
  "registration closed?": false,
  "eventRules": "RULES:\n->1.The amount of money given in the initial around should be used for both phase 1 and phase 2 \r\n2. The student should bring the necessary things for the stitching.(Such as scissors..etc .)\r\n3.the style which is brought by the participants through the auction should be replicated exactly.",
  "contact_name_1": "Akshatha R",
  "contact_mobile_1": {
    "$numberLong": "9345554538"
  },
  "contact_name_2": "Sandhiya S",
  "contact_mobile_2": {
    "$numberLong": "9943436697"
  }
},

```



```
{
  "eventName": "HackQuest ",
  "category": "Coding",
  "description": "HackQuest is an exciting team event where participants solve a series of challenges within 2 hours. Each team needs to unlock five levels by cracking the questions correctly to get the answer ( SECRET CODE ). The team that solves the most levels the fastest,wins.",
  "round_title_1": "Wall Breaker",
  "round_desc_1": "In this single-round event, each team will face five challenging and interesting levels. Each level presents a unique quest that must be solved to obtain the SECRET CODE. Teams must submit the correct code to unlock the next level. Think logically and create a strategy to crack these levels. Points are awarded based on the number of levels cleared and the completion time. The team that breaches the most levels the fastest will be declared as the winner.",
  "location": "IT Main Lab",
  "teamSize": "2-3",
  "date": "14",
  "timing": "9.30 AM -12.30 PM",
  "registration closed?": false,
  "eventRules": "RULES:\n->1. Bonus Challenge: If the tie persists, a bonus challenge or tiebreaker question will be given. The first team to solve it correctly will win.\n\n3. No phones allowed\n\n4. Complete the round within 2 hours.\n\n5. Levels must be solved sequentially.\n\n6. Cheating leads to disqualification.\n\n7. Points awarded for each completed level.",
  "contact_name_1": "S.Nithya Shri",
  "contact_mobile_1": {
    "$numberLong": "9786233264"
  },
  "contact_name_2": "Vishnu Vardhan P",
  "contact_mobile_2": {
    "$numberLong": "7418377571"
  }
},
```

```

{
  "eventName": "RoboSumo",
  "category": "Gold",
  "description": "Two robots compete in a head-to-head match following the basic system of traditional human sumo matches. Robots are allowed no weapons and are not allowed to flip each other. The sole purpose is a pushing match between the two robots to eliminate the other from the arena through force only",
  "round_title_1": "League",
  "round_desc_1": "The first round of RoboSumo will feature a group stage, where teams will be divided into groups of five. Each group will compete in a dedicated arena, with each team battling against three randomly selected opponents from their group. A battle will be won by the team that scores 5 points first. The top-scoring team(s) from each group, as determined by the number of participants, will advance to the next round.",
  "round_title_2": "Showdown",
  "round_desc_2": "The second round of RoboSumo will bring together all the top-scoring teams from the previous round into a single group. In this round, each team will compete against every other team in the group. The winning team in each battle will be the first to score 5 points. Ultimately, the winner and runner-up of RoboSumo will be determined based on their cumulative points earned during this round.",
  "location": "G601, G501, G401",
  "teamSize": "2-3",
  "date": "15",
  "timing": "9.30 AM-4.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\n->Arena Specifications:\n\tThe ring shall be circular in shape and of the appropriate dimensions\n\tShikiri lines (starting lines) consist of two painted parallel brown lines cantered in the ring with appropriate width and spacing. The separation distance between the lines is measured to their outside edges from the circle\n\tThe border line is marked as a white circular ring of an appropriate width on the outer edge of the playing surface. The ring area extends to the outside edge of this circular line\nRules:\n\tRobots are only allowed to ram each other within the arena to eliminate the opponent, no other means of offense will be allowed\n\tThe robot should be controlled only through the wireless mode, wired mode of control will not be allowed to participate\n\tParts that could break the ring, damage the opponent's robot or its operator are strictly not allowed. Normal pushes and rams are not considered intent to damage\n\tDevices that can store liquid, powder, gas or other substances for throwing at the opponent and any flaming devices are not allowed\n\tSticky substances to improve traction or devices to increase down force, such as a vacuum pump or magnets are not allowed\n\tAll edges, including but not limited to the front scoop, must not be sharp enough to scratch or damage the ring, other robots or players\n\tA point is earned by a team when they successfully push the opponent team out of the arena whilst obeying the rules\n\nRound 2 RULES:\n->Arena Specifications:\n\tThe ring shall be circular in shape and of the appropriate dimensions\n\tShikiri lines (starting lines) consist of two painted parallel brown lines cantered in the ring with appropriate width and spacing. The separation distance between the lines is measured to their outside edges from the circle\n\tThe border line is marked as a white circular ring of an appropriate width on the outer edge of the playing surface. The ring area extends to the outside edge of this circular line\nRules:\n\tRobots are only allowed to ram each other within the arena to eliminate the opponent, no other means of offense will be allowed\n\tThe robot should be controlled only through the wireless mode, wired mode of control will not be allowed to participate\n\tParts that could break the ring, damage the opponent's robot or its operator are strictly not allowed. Normal pushes and rams are not considered intent to damage\n\tDevices that can store liquid, powder, gas or other substances for throwing at the opponent and any flaming devices are not allowed\n\tSticky substances to improve traction or devices to increase down force, such as a vacuum pump or magnets are not allowed\n\tAll edges, including but not limited to the front scoop, must not be sharp enough to scratch or damage the ring, other robots or players\n\tA point is earned by a team when they successfully push the opponent team out of the arena whilst obeying the rules.",
  "contact_name_1": "Arrunkumar K",
  "contact_mobile_1": {
    "$numberLong": "8867915641"
  },
  "contact_name_2": "Linges Naraian",
  "contact_mobile_2": {
    "$numberLong": "6381837989"
  }
}

```

```

    }
  },
  {
    "eventName": "INNOVATION FORUM",
    "category": "Fashion and Textile",
    "description": "INNOVATION FORUM is a three-round competition designed to test and showcase participants' technical knowledge, critical thinking, and innovative problem-solving skills in the textile industry.",
    "round_title_1": "TEX RUSH",
    "round_desc_1": "Participants tackle a rapid-fire quiz on textile-related topics, earning points for correct answers and losing points for wrong or skipped responses. This round tests their technical knowledge and quick thinking.",
    "round_title_2": "THE DISCUSSION DESK",
    "round_desc_2": "The top 10 participants engage in a panel discussion on a textile industry challenge, showcasing their knowledge, teamwork, and innovative ideas. Judges select the top 5 based on their performance and collaboration.",
    "round_title_3": "SOLUTION SUMMIT",
    "round_desc_3": "The top 5 will be shortlisted and should submit written solutions to the problem discussed and present them in an oral examination. Judges evaluate innovation, feasibility, and clarity of the participants.",
    "location": "H205 , H206, H207",
    "teamSize": "1",
    "date": "15",
    "timing": "9.30 AM - 12.30 PM",
    "registration closed?": false,
    "eventRules": "Round 1:\n->Only one minute will be given.\nNegative marks for each wrong answer and skipped questions.\nRound 2:\n->No mobiles or any other internet sources should be used.\nJudges decision is final.\nRound 3:\n->No mobiles or any other internet sources should be used.\nJudges decision is final.\n",
    "contact_name_1": "Sathaa Sree S M",
    "contact_mobile_1": {
      "$numberLong": "6374145789"
    },
    "contact_name_2": "Preeti P",
    "contact_mobile_2": {
      "$numberLong": "9092019119"
    }
  }
},

```

```

{
  "eventName": "Kriya Open Quiz",
  "category": "Gold",
  "description": "The first round of the quiz competition is a classic pen-and-paper challenge designed to test your knowledge and quick thinking. Participants will tackle a series of 25 questions, each carrying 1 point with in-built tie-breakers.\n\nThe finale will have 3 segments.\n\nTheme-Based Round: Teams select a theme and answer a question related to it.\n\nUNO Cards Round: Teams bid for questions using UNO cards and have 3 lifelines.\n\nRapid Fire Round: Fastest team on the buzzer answers; +10 for correct, -5 for wrong.",
  "round_title_1": "Prelims",
  "round_desc_1": "It is a pen and paper round. There are 25 Questions in this quiz. Each question carries 1 point. No negative marking. Part Points will be given wherever applicable. There are inbuilt tiebreakers in this round. Top 8 teams from round 1 qualify for further rounds.",
  "round_title_2": "Finals",
  "round_desc_2": "Theme Based Round\n\nEach team will choose a theme based on which they will get a question.\n\nUNO Cards Round\n\nAll teams are provided with Uno Cards to bid for a question. And also each team will be provided with 3 lifeline cards.\n\nRapid Fire Round\n\nFastest team to press the buzzer will answer the question, if the answer is correct the team will be awarded with 10 points and if the answer is incorrect the team will be awarded with -5 points.",
  "location": "F-Block Assembly Hall",
  "teamSize": "1-2",
  "date": "14",
  "timing": "9:30 AM - 12:30 PM",
  "registration closed?": false,
  "eventRules": "RULES:\n->Usage of any external communication devices like mobile phones, smartwatches etc., are prohibited.\n\nQM's decision is FINAL and BINDING.\n",
  "contact_name_1": "SACHINBALAJI U",
  "contact_mobile_1": {
    "$numberLong": "8838070795"
  },
  "contact_name_2": "KUMBESH BABU B",
  "contact_mobile_2": {
    "$numberLong": "9176671318"
  }
},

```

```

{
  "eventName": "Auction to Action",
  "category": "Core Engineering",
  "description": "The AUCTION TO ACTION is an exciting and fun-filled journey through the world of metals. In this three-round event, participants will bid, solve challenges, and escape tricky situations, all while learning more about metals and alloys.",
  "round_title_1": "Metal Auction",
  "round_desc_1": "Participants will use virtual money to bid on different metals or alloys. They'll get clues about the metal's properties or uses and need to make smart bids.",
  "round_title_2": "Surprise Pen",
  "round_desc_2": "In this round, teams will be given a challenge to solve using only a pen and paper. It could be completing diagrams, answering questions, or solving puzzles about metals.",
  "round_title_3": "Escape Room",
  "round_desc_3": "Teams will face a metallurgical-themed escape room. They'll need to solve puzzles and find clues about metals to escape within the time limit.",
  "location": "G606, G607",
  "teamSize": "2",
  "date": "15",
  "timing": "9.30 AM -12.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\n->1. Materials are sold to the highest bidder.\n2. Once the auctioneer announces a material to be sold, it can't be withdrawn.\n3. Teams can use only the initial currency(virtual) given to them.\n4. The team with the metals of most points will win.\n5. No Mobile Phones are allowed.\n\nRound 2 RULES:\n->1. The team must answer each questions within the time limit.\n2. No Mobile Phones are allowed.\n3. Discussion is allowed within their own teams.\n\nRound 3 RULES:\n->1. No Mobile Phones are allowed.\n2. Discussion is allowed within their own teams.\n3. The team escaping the room first will be declared as the winners.\n4. No malpractice is allowed.",
  "contact_name_1": "Rithanya D",
  "contact_mobile_1": {
    "$numberLong": "9443130573"
  },
  "contact_name_2": "Mohamad Niyas A",
  "contact_mobile_2": {
    "$numberLong": "6374241719"
  }
},

```

```

{
  "eventName": "Binary×Forge",
  "category": "Coding",
  "description": ""Binary×Forget" will be a two round technical event, where the participants will be challenged on their knowledge of different programming languages, as well as be tested on their logical thinking abilities with various puzzles. \n\nThe goal of this event is to test the abilities of the participants, improve their teamwork, logical thinking abilities, as well as inform them about important terms from the emerging fields in the tech world.",
  "round_title_1": "HoneyPot",
  "round_desc_1": "\nSTAGE1!\nDeceptiCon – The AI Deception Game\nParticipants are divided into two teams: Deceivers and Decoders.\n ♦ Deceivers: Create human-like content such as images, recordings, or text messages \ndesigned to trick the other team into thinking it was generated by AI.\n ♦ Decoders: Analyze the content and determine whether it was created by AI or humans.\n\nSTAGE2!\nCipher Siege – Unlock the Hidden Key\nTeams face a series of technical challenges to uncover fragments of a hidden key. Participants \nsolve various problems to uncover parts of the key. Challenges include:\n ♦ Cryptographic Puzzles: Solve encrypted messages using basic ciphers (Caesar cipher, \nVigenère cipher, etc.) or custom encryption algorithms.\n ♦ Logic Challenges: Solve puzzles or riddles that reveal additional pieces of the key.",
  "round_title_2": "Labyrinth of Secrets",
  "round_desc_2": "In this classical CTF, you'll navigate through a series of cybersecurity challenges, each unlocking the next level. Solve tasks like cryptography, reverse engineering, and web security to find hidden \"flags.\" Each flag reveals a clue to progress deeper into the labyrinth, testing your skills and knowledge along the way. Can you unlock every level and emerge victorious?",
  "location": "AIR Lab (E-block 3rd floor)",
  "teamSize": "2-4",
  "date": "14",
  "timing": "9.30 AM -4.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\n-> ♦ Time Limit: 1 to 2 hours, based on our discretion.\n ♦ This round will be held on a proprietary platform built in house by members of the club.\n ♦ The participants are not allowed to use the internet unless explicitly stated to do so. \n ♦ All tie-breakers will be handled automatically by the platform in Round-2 based on the \ntime of submission.\n ♦ Final winners will be decided based on the aggregate score from both rounds.\n ♦ All participants from round-1 are eligible to participate in round-2. There will be no eliminations.\n ♦ The organizers reserve the right to resolve any discrepancies.\n\nRound 2 RULES:\n-> ♦ Time Limit: 1 to 2 hours, based on our discretion.\n ♦ This round will be held on a proprietary platform built in house by members of the \nclub.\n ♦ The participants are not allowed to use the internet unless explicitly stated to do so. \n ♦ All tie-breakers will be handled automatically by the platform in Round-2 based on the \ntime of submission.\n ♦ Final winners will be decided based on the aggregate score from both rounds.\n ♦ All participants from round-1 are eligible to participate in round-2. There will be no eliminations.\n ♦ The organizers reserve the right to resolve any discrepancies.\n",
  "contact_name_1": "Lohith S",
  "contact_mobile_1": {
    "$numberLong": "9488125100"
  },
  "contact_name_2": "Mehul Dinesh",
  "contact_mobile_2": {
    "$numberLong": "8608715000"
  }
},

```

```

{
  "eventName": "Quizzzy Crushy: Auto Edition",
  "category": "Quiz",
  "description": "The event tests the participants knowledge on basic Automotive concepts and principles. The event will only test the participants on basic concepts and not on advanced topics so that even students who only have basic Automotive knowledge can participate in the event.",
  "round_title_1": "Auto Quiz and Part Detection",
  "round_desc_1": "Phase 1:\nAuto quiz - Participants are displayed with MCQ questions that are related to automobile and asked to write the answers in the A4 sheet provided to them.\nPhase 2:\nPart detection - Participants are displayed with questions that are related to Automotive components and are provided with a buzzer.\n(Phase 1 + Phase 2) - Marks are evaluated and based on that participants move on to the next round.",
  "round_title_2": "Crashworthiness",
  "round_desc_2": "Participants are provided with components such as Ice cream stick, fevicol and other necessary materials for this round and are asked to make a model which is rigid and strong. The winner will be announced depending on how their model withstands under different testing conditions. If in case of any tie breakers the judge will decide regarding the tie breaker event.",
  "location": "K501,K502",
  "teamSize": "2",
  "date": "14",
  "timing": "9.30 AM -12.30 PM",
  "registration closed?": false,
  "eventRules": "RULES:\n->The event rules will be informed by the convenors at the start of the event.\n",
  "contact_name_1": "Aditya K",
  "contact_mobile_1": {
    "$numberLong": "7200845251"
  },
  "contact_name_2": "S Naresh",
  "contact_mobile_2": {
    "$numberLong": "7358893143"
  }
},

```

```

{
  "eventName": "TaskOps",
  "category": "Gold",
  "description": "Players earn points in the first round through technical and creative challenges and redeem these points for strategic advantages in the second round, where they develop and present innovative projects.",
  "round_title_1": "Taskathon",
  "round_desc_1": "Questions of different themes, skill and complexity will be given and teams can choose which questions to solve. Each question will award some points.\n\nThese points can be used to buy powerups for the upcoming hackathon.",
  "round_title_2": "Buildathon",
  "round_desc_2": "Using the powerups they bought in the first round, teams can start ideating and implementing their solutions for a given set of problem statements. \n\nThey will present their solutions to the judges by the end of the day.",
  "location": "CSE - GRD Lab, CSE - Programming Lab",
  "teamSize": "2-4",
  "date": "15",
  "timing": "9.30 AM -12.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\n->Tasks must be completed sequentially, one at a time.\n\nPoints must be redeemed before moving into project ideation.\nRound 2 RULES:\n->Projects must be developed within the given timeframe\n\nPresentations must adhere to the time limit and include a demonstration.",
  "contact_name_1": "Sreeraghavan R",
  "contact_mobile_1": {
    "$numberLong": "6385786223"
  },
  "contact_name_2": "J Prasheetha",
  "contact_mobile_2": {
    "$numberLong": "9962031353"
  }
},

```



```

{
  "eventName": "COUTURE CHRONICLE",
  "category": "Fashion and Textile",
  "description": "Celebrate India's vibrant culture in \"Shades of Culture,\" decode literary gems in \"Read & Reflect,\" and champion sustainability in \"Craft from Scrap.\" This engaging event blends heritage, intellect, and creativity, inspiring participants to innovate and reflect while celebrating diversity and resourcefulness!",
  "round_title_1": "Shades of Culture",
  "round_desc_1": "\nThis round celebrates India's cultural diversity. Participants will solve clues and match images of traditional attire or cultural elements to their respective states. Some images will feature jumbled words that participants must unscramble to complete the task.\n",
  "round_title_2": "Read & Reflect",
  "round_desc_2": "\nThis literature-based round challenges participants to explore a selected book. They will analyze specific words or phrases, understand the context, and answer questions based on the topic. This round assesses their comprehension and critical thinking skills.",
  "round_title_3": "Craft from Scrap",
  "round_desc_3": "\nFocused on sustainability, this round tasks participants with using textile waste, such as sewing scraps and fabric remnants, to craft unique products. Creations will be evaluated on innovation, utility, and craftsmanship.",
  "location": "H205, H206, H207",
  "teamSize": "2",
  "date": "16",
  "timing": "9.30 AM -4.30 PM",
  "registration closed?": false,
  "eventRules": "ROUND 1 RULES:\n->Participants will be evaluated based on timing.\nNo electronic gadgets are allowed.\nROUND 2 RULES:\n->No electronic gadgets are allowed\nWill be evaluated based on the accuracy of the answers.\nJudges decision is final.\nRound 3 RULES:\n->Requirements will be given\n30 mins will be given\nJudges decision is final.",
  "contact_name_1": "Pooja J",
  "contact_mobile_1": {
    "$numberLong": "8220264281"
  },
  "contact_name_2": "Saravanakumar B",
  "contact_mobile_2": {
    "$numberLong": "9944426383"
  }
},

```

```

{
  "eventName": "Fortune Flick",
  "category": "Science",
  "description": "\nFortune Flick combines the thrill of decision-making with a test of technical prowess! The event kicks off with participants solving electronics-related questions to unlock briefcases containing points or mystery challenges like debugging code, building logic circuits, or solving rapid-fire puzzles. A surprise briefcase chosen by the player at the start adds an exciting twist—will it hold jackpot points or a tough challenge? Strategic choices and tech skills drive success in this round. \n\nIn the next round, participants spin a wheel to determine their tasks, blending luck with knowledge. Each question answered correctly earns additional points . From circuit assembly to creative problem-solving, each spin tests technical adaptability. \n\n Will you take the risk or play it safe?",
  "round_title_1": "Quiz or No Deal !",
  "round_desc_1": "Quiz or No Deal is an exciting technical twist on the classic Deal or No Deal! Players must navigate through a board of briefcases, each containing points . The game begins with players selecting one briefcase as their potential winning case. To unlock and open the remaining cases, players answer questions from electronics, programming, and general tech topics.\n\nAdding to the excitement, some briefcases contain Mystery Challenges, such as debugging code, building logic circuits, or solving rapid-fire tech puzzles. The game ends with players deciding whether to stick with their chosen case or swap it, combining technical skills, strategy, and a dash of luck to determine the winner.",
  "round_title_2": "Wheel of Fortune",
  "round_desc_2": "A technical twist to the popular game show \"Wheel of Fortune\". Spin the wheel and get the task according to your fortune. Complete as many tasks as possible in the given time by spinning the wheel. Team with maximum points wins!",
  "location": "G 405",
  "teamSize": "2-3",
  "date": "15",
  "timing": "9.30 AM - 12.30 PM",
  "registration closed?": false,
  "eventRules": "RULES:\n->No mobile phones allowed\nHave to do tasks as instructed.\nNo discussion with other teams.",
  "contact_name_1": "Shri Nithya B",
  "contact_mobile_1": {
    "$numberLong": "7904184785"
  },
  "contact_name_2": "Tejaswini K",
  "contact_mobile_2": {
    "$numberLong": "7676690680"
  }
},

```

```
{
  "eventName": "Elegance to the Road: Innovate Assemble Drive",
  "category": "Core Engineering",
  "description": "This event requires some basic knowledge on the features of 3D modelling and understanding related to Automobile services.",
  "round_title_1": "CAD Enhance",
  "round_desc_1": "A CAD design will be provided to the participants and they are asked to complete it on time. Creo software is available in our lab. For any other 3D software participants are asked to bring their own laptops.",
  "round_title_2": "Disassemble and Assemble",
  "round_desc_2": "Any subassembly like gearbox, engine or differential will be given to the teams and are asked to disassemble and assemble with the tools provided within the specified time.",
  "round_title_3": "Pit stop relay and Lotus Simulation",
  "round_desc_3": "Phase 1: Participants are asked to remove and fit the tire of the vehicle at the earliest possible time with the tools provided.\nPhase 2: Participants are given with a glimpse of lotus simulation software and are asked to iterate within the specified time.",
  "location": "K block simulation hall",
  "teamSize": "2",
  "date": "15",
  "timing": "9.30 AM - 12.30 PM",
  "registration closed?": false,
  "eventRules": "RULES:\n->Rules will be intimated to the participants during the start of the event",
  "contact_name_1": "Suresh Kumar",
  "contact_mobile_1": {
    "$numberLong": "8344646461"
  },
  "contact_name_2": "Nikhilan",
  "contact_mobile_2": {
    "$numberLong": "9942673731"
  }
},
```

```

{
  "eventName": "Forensicist",
  "category": "Science",
  "description": "The Forensicist is a high-stakes crime-solving adventure for teams of 3-4 players. In Round One, participants step into the killer's hideout, searching for hidden clues and solving puzzles to prove their sharp observation skills. Only the keenest minds advance to Round Two, where teams become detectives, sifting through evidence, interrogating suspects, and piecing together witness accounts. The clock is ticking—will your team outsmart the killer and solve the mystery before time runs out? The truth is waiting to be uncovered!",
  "round_title_1": "The Web of Lies: The Pursuit",
  "round_desc_1": "\"The Web of Lies: The Pursuit\" is an engaging detective challenge where teams work together to solve a thrilling mystery. It starts with investigating the killer's room, where players search for key clues and evidence. As they progress, they'll tackle tasks and answer questions connected to the room and its secrets. Successfully solving these challenges lets them move forward to the next round, inching closer to discovering the killer's identity. The closer they get, the more intense the investigation becomes. Will your team crack the case and move on?",
  "round_title_2": "The Final Clue: The Revelation",
  "round_desc_2": "The Final Clue: The Revelation is an immersive crime-solving event that puts you in the role of a seasoned investigator. Your mission is to crack a complex murder case by carefully reviewing a comprehensive case file. This file includes detailed statements from suspects and witnesses, a full description of the crime scene, and other key pieces of evidence. You'll dive deep into the contents of the file to understand the case from every angle.\n\nOnce you've absorbed the information, you'll have the opportunity to visit the actual crime scene, where you can observe critical details that might provide further insights. Armed with this knowledge, you'll re-investigate the suspects and witnesses, using the case file or employing cross-examination techniques to extract more information and fill in any gaps.\n\nAfter thoroughly investigating all angles, you and your team will need to make an informed decision to identify the true killer. You'll also need to articulate the killer's motive based on the evidence you've gathered. The team or individual who correctly identifies the killer and provides a clear explanation of the motive will be recognized as the top investigator, solving the case and revealing the truth behind the mystery.",
  "location": "J313, J314, J411, J413, J414, J415",
  "teamSize": "3-4",
  "date": "16",
  "timing": "9.30 AM - 4.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\n->A team of three to four members will participate in this round.\n\nA killer theme-based room will be set up, where participants will be given to observe the details in the room for 10 minutes.\n\nFollowing that the teams will be playing tasks to answering a series of questions based on their observation. All members are expected to participate in at least one of the tasks.\n\nThe team that answers the questions according to their observation and gains points.\n\nParticipants with high points are qualified for the next round.\n\nParticipants are expected to maintain decorum or else will be eliminated.\n\nRound 2 RULES:\n->In this round the participants are provided with a case file of a crime and are allowed to observe the crime site for 2 minutes.\n\nThey are allowed to interrogate various suspects and eye witnesses for 10 minutes.\n\nThe participants are allowed to discuss within themselves and come up with the criminal (the killer) with an agreeable reason.\n\nThe final answer should be reported by completing the case file with all the necessary details.\n\nTeams guessed the correct killer should provide suitable reasons for accusations of that person(killer).\n\nParticipants are expected to maintain decorum or else will be eliminated.",
  "contact_name_1": "Mugesh Karthick J R",
  "contact_mobile_1": {
    "$numberLong": "9944440379"
  },
  "contact_name_2": "Vedya K",
  "contact_mobile_2": {
    "$numberLong": "7010730495"
  }
},

```

```

{
  "eventName": "SpeedDrifters 2.0",
  "category": "Gold",
  "description": "The Electric RC Off-Road Race is an exhilarating competition designed for RC car enthusiasts to showcase their skills, creativity, and teamwork. Participants will navigate custom-built electric RC vehicles through a challenging dirt track filled with hairpin bends, obstacles, and surprise elements. The event consists of multiple rounds, including a Technical Inspection, an Acceleration Test, and a high-stakes 30-meter Race Circuit. Teams must demonstrate precision, speed, and innovation to outperform their competitors. With a focus on safety, creativity, and fair play, this event invites individuals and teams to test their engineering prowess and driving expertise. Bonus points are awarded for tackling challenging obstacles and presenting unique vehicle designs. Join us for an action-packed day of competition, camaraderie, and electrifying excitement!\n",
  "round_title_1": "Technical Inspection (TI)",
  "round_desc_1": "This round ensures that all participating RC vehicles comply with the competition's technical and safety standards. Vehicles are inspected for battery safety, including adherence to voltage limits and absence of damage. The structural integrity of the vehicle is evaluated, checking for signs of wear, cracks, or other issues that could impact performance. Electronics, including wiring and component connections, are thoroughly examined to ensure proper functionality and insulation. Compliance with size, weight, and engine type (electric only) is also verified. Radio frequency interference (RFI) levels are monitored to avoid disruptions. Vehicles that fail to meet the criteria are disqualified from proceeding to subsequent rounds.",
  "round_title_2": "Acceleration Test",
  "round_desc_2": "In this performance-based round, participants test their RC cars' ability to accelerate over a straight 10-meter track from a standstill. The primary objective is to measure how quickly the vehicle can achieve maximum speed within this distance. Precision in control is critical, as collisions or veering off-course can result in penalties. This round highlights the power, responsiveness, and stability of each vehicle under acceleration. Participants are not allowed practice trials, and each team has a single opportunity to demonstrate their vehicle's capabilities.",
  "round_title_3": "100-Meter RC Race Circuit",
  "round_desc_3": "The final and most intense round takes place on a rugged 30-meter dirt track designed to challenge both the vehicles and their operators. The track features complex obstacles, including hairpin bends, S-shaped curves, uneven surfaces, and puddles. Participants must navigate these features while maintaining speed and control. Time is the key metric in this round, with each team striving to complete the course as quickly as possible. Precision driving is essential to avoid penalties for reckless driving or going off-track. Vehicles that stray off the course more than twice are automatically disqualified. Bonus points are awarded for crossing specific challenging obstacles and showcasing innovative designs or advanced features, such as suspension systems or custom-built components.",
  "location": "N Block Ground",
  "teamSize": "2-4",
  "date": "15",
  "timing": "9.30 AM -4.30 PM",
  "registration closed?": false,
  "eventRules": "RULES:\n->RC vehicle Dimensions should have a minimum (200mm L, 150mm B, 150mm H) and maximum (550mm L, 350mm B, 350mm). It must not exceed beyond the given size.\nRC vehicles should have electric engines instead of IC engines.\n\nThe RC vehicle is operated using a wireless controller, not a wired one.\nIt is important to ensure that the wires are appropriately insulated.\nWith safety as our top priority, we have set the maximum voltage limit to 24V. This ensures that our equipment runs smoothly and efficiently while keeping you and your surroundings safe.\nIf you plan on using any equipment or methods during the event, please make sure to inform the organizers in advance.\nPlease note that bringing pre-made toy cars is not permitted.",
  "contact_name_1": "Rachchelle Phadvas P",
  "contact_mobile_1": {
    "$numberLong": "9600702551"
  },
  "contact_name_2": "Pretyush S",
  "contact_mobile_2": {
    "$numberLong": "9025548549"
  }
}

```

```

    }
  },
  {
    "eventName": "Codopoly",
    "category": "Coding",
    "description": "The event unfolds in multiple rounds: participants start by decoding and fixing their main code, followed by trading additional code pieces to maximize their score. Roles like buyer and seller rotate among teammates, encouraging collaboration and adaptability. Action cards, such as Time Boost or Bug Hint, add a layer of strategy to the competition. \n",
    "round_title_1": "Debug Round(s)",
    "round_desc_1": "Teams will receive their first set of buggy code which consists of main and few other code parts that should be traded. Teams will start by decoding the main buggy code. This phase will test the team's ability to quickly understand and they can even fix the bugs in their other code parts.\nDuring this phase, teams will also have the opportunity to fix bugs in the additional code parts that they can trade with other teams later. The goal of this round is to fix as many bugs as possible within the given time frame, preparing the team for the subsequent trading rounds.",
    "round_title_2": "Trade Round(s)",
    "round_desc_2": "Teams These parts of code can be fixed, and then teams will trade these fixed parts with others to earn points.\nTeams are allowed to exchange bug-fixed code which they don't need with other teams for points, based on the difficulty of the errors they have solved. Action Cards can also be traded.\n",
    "location": "3AI Laboratory, SCPS Laboratory, AIR Laboratory E Block 3rd Floor",
    "teamSize": "2-4",
    "date": "15",
    "timing": "9.30 AM -12.30 PM",
    "registration closed?": false,
    "eventRules": "Round 1 RULES:\n->Time Limit per Debug Round: 15-20 minutes\nEvery team must have a buyer/seller and debugger(s).\n\nRound 2 RULES:\n->Time Limit per Trade Round: 5-7 minutes.\n\nA trade happens only in the presence of a event volunteer. Teams can trade their parts 3-5 times, depending on how the event is structured. The points they earn will depend on the difficulty of the bugs in the code they've received and fixed.",
    "contact_name_1": "Akash",
    "contact_mobile_1": {
      "$numberLong": "9943803882"
    },
    "contact_name_2": "Deepa Shree",
    "contact_mobile_2": {
      "$numberLong": "9384472009"
    }
  }
},

```

```

{
  "eventName": "CodeStorm",
  "category": "Coding",
  "description": "**CodeStorm* :\n\nCodeStorm is an exciting coding event where participants tackle challenging logical problems by crafting innovative algorithmic solutions. This event tests problem-solving skills, creativity, and coding expertise, pushing participants to think critically and code efficiently under time constraints.",
  "round_title_1": "Quiz round",
  "round_desc_1": "A total of 40 multiple choice questions will be provided via Google forms. Contestants must complete within the stipulated time.",
  "round_title_2": "Coding round",
  "round_desc_2": "A total of 10 problems statements will be given. The participant must solve those within the stipulated time.",
  "location": "CC Lab",
  "teamSize": "1",
  "date": "14",
  "timing": "9.30 AM -12.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\n->Questions - 40\nTime duration - 45 Minutes\n\nRound 2 RULES:\n->Questions - 10\nTime duration - 1 hour",
  "contact_name_1": "Janakhan K",
  "contact_mobile_1": "8903402357",
  "contact_name_2": "Nitin Sankar A",
  "contact_mobile_2": "9042670536"
},

```

```

{
  "eventName": "Aero Glider",
  "category": "Gold",
  "description": "Teams will design and construct their own gliders on-site using materials provided by the organisers. Top three teams that achieves the greatest gliding distance will be declared the winners.",
  "round_title_1": "Glider Construction",
  "round_desc_1": "Teams will build their gliders using materials provided by the organisers. This round tests the team's ability to design and construct a functional glider within a limited time frame.",
  "round_title_2": "Glider Launch",
  "round_desc_2": "Teams will launch their constructed gliders using hand power. The glider that covers the greatest distance will score the highest.",
  "location": "G 301,302, Football ground",
  "teamSize": "1-3",
  "date": "15",
  "timing": "1.30 PM - 4.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\n->Time Limit: Teams must complete their glider within the specified time.\nMaterial Usage: Only materials provided by the organizers can be used.\nWingspan Restriction: The wingspan of the glider must not exceed 1 meter.\nStructural Requirements: Gliders must meet the basic structural requirements as defined by the organizers. Failure to do so will result in disqualification.\nDisqualification: Teams unable to finish constructing their glider within the time limit will be disqualified from advancing to the next round.\n\nRound 2 RULES:\n->Launch Method: Gliders must be launched by hand without any mechanical assistance.\nMeasurement: The distance covered will be measured from the point of launch to where the nose of the glider comes to rest.\nAttempts: Each team will have 2-3 attempts, with the best distance recorded.\nFair Play: Teams must not interfere with other participants during the launch.\nDisqualification: Any team found violating the rules will be disqualified.",
  "contact_name_1": "Nandhagopal S",
  "contact_mobile_1": {
    "$numberLong": "9080905838"
  },
  "contact_name_2": "Dharanimohan V",
  "contact_mobile_2": {
    "$numberLong": "9843782341"
  }
},

```



```
{
  "eventName": "Innovator's Quest",
  "category": "Core Engineering",
  "description": "This two-round event challenges participants to craft practical solutions for daily challenges and refine them into advanced designs.\n\nFrom spontaneous problem-solving to futuristic design thinking, this event offers an unforgettable blend of creativity, teamwork, and ingenuity.\n",
  "round_title_1": "Hack It Up!",
  "round_desc_1": "Each team will get a set of props like paper cups, rubber bands, modelling clay and more. Teams have 15 minutes to research and design the model and 45 minutes to craft a practical, fun, or clever solution for common daily life challenges using the props(e.g., organizing messy cables, keeping coffee warm, carrying grocery bags without hand strain, etc.) Each team will pitch their hack to the judges, explaining its purpose, usability, and creativity.",
  "round_title_2": "VisionCraft",
  "round_desc_2": "Teams will build upon the hack they created in Round 1, making it more advanced, practical, or innovative. Using industry-standard design tools (AutoCad, Solidworks, Creo, or any other software you prefer), teams will design a 3D model of their refined concept. Teams will showcase their model to the judges, explaining the evolution of their idea, its purpose, and its impact.",
  "location": "G 401, G 501, G 601 or any other hall in G block",
  "teamSize": "1-4",
  "date": "15",
  "timing": "9.30 AM -12.30 PM",
  "registration closed?": false,
  "contact_name_1": "Harshita V",
  "contact_mobile_1": {
    "$numberLong": "8825866273"
  },
  "contact_name_2": "Ramakrishnan V",
  "contact_mobile_2": {
    "$numberLong": "9344680090"
  }
},
```

```

{
  "eventName": "TRY AND TRIUMPH",
  "category": "Science",
  "description": "Join us in experiencing the mystery unravel during the battle of wits where timely guess and prompt action will help your team ascend higher and higher to conquer the battlefield! The puzzle might seem ordinary and simple for a battle but only the quick-witted can work through it. Get up with your team. Let's wait and watch for who the survivor are.",
  "round_title_1": "The Da Vinci decode",
  "round_desc_1": "Each team will have a 10-minute window to showcase their puzzle-solving skills in this dynamic escape game. Teams will receive a set of clues corresponding to a specific number of locked locks. The challenge lies in using these provided clues to successfully unlock the designated locks within the given time frame. Teams must rely on their collective wit and problem-solving abilities to decipher the hints and conquer the locks presented to them. Only those teams that effectively crack the codes and unlock the required number of locks will advance to the next round of this engaging and competitive event. It's a race against the clock and a test of strategic thinking - are you up for the challenge?",
  "round_title_2": "Trivia Titans",
  "round_desc_2": "Prepare for an epic battle to build an empire in this day-long strategic conquest! The teams that have successfully advanced from the first round are now embarking on a quest to capture the realm. At the outset, each team will be entrusted with a small province, serving as their initial foothold.\n\nTo expand their dominion, teams must undertake assigned tasks that involve conquering the other provinces. The battleground is set, and challenges will arise between competing teams, determining the fate of the lands. The victor of each challenge claims the territory of the defeated, progressively advancing towards the expansion of the empire.\n\nThe dynamic interplay of challenges and tasks will persist until a single team emerges victorious by conquering the maximum they can. It's a test of strategy, teamwork, and resilience as teams strive to outsmart their adversaries and claim supremacy over the realm. Are you ready for the ultimate conquest?\n\nNO OF TASKS: 10-15",
  "location": "J411,J413,J414,J415",
  "teamSize": "3-4",
  "date": "15",
  "timing": "9.30 AM -4.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\n->The teams are expected to maintain decorum.\n\nThe teams are expected to play fair and not use unnecessary means.\n\nROUND 2 RULES:\n->Each team will be given a set a province to conquer.\n\nTo conquer a province a team will have to play a game and win.\n\nThe team with maximum province will be declared as the winner.\n\nThe teams are expected to maintain decorum.\n\nThe teams are expected to play fair and not use unnecessary means.",
  "contact_name_1": "VANI K",
  "contact_mobile_1": {
    "$numberLong": "9791677188"
  },
  "contact_name_2": "AKSHITAA S S",
  "contact_mobile_2": {
    "$numberLong": "9944833805"
  }
},

```

```

{
  "eventName": "CIVIL SHOWDOWN",
  "category": "Quiz",
  "description": "The CIVIL SHOWDOWN, The event will feature a series of challenging rounds designed to test participants' knowledge, skills, and creativity in the field of civil engineering. With three exhilarating rounds – Hint and Hunt, Quiz and Build, and Towering Triumphs – the event will provide a platform for participants to showcase their expertise and passion for civil engineering.",
  "round_title_1": "Quiz and Build",
  "round_desc_1": "In this round, teams will face a combination of quiz questions designed to test their theoretical knowledge of civil engineering principles. Participants will demonstrate their ability to apply theoretical concepts in practical scenarios, emphasizing both knowledge and practical skills crucial in the field.",
  "round_title_2": "Hint and Hunt",
  "round_desc_2": "This round will challenge teams to navigate through a series of clues and challenges related to civil engineering materials and equipment. Participants will showcase their knowledge of these materials and equipment, making it an exciting and educational start to the competition.",
  "round_title_3": "Towering Triumphs",
  "round_desc_3": "The final round, Towering Triumphs, will put teams' creativity and engineering prowess to the test as they are tasked with designing and constructing a tower using newspapers. This round will showcase participants' innovation, teamwork, and ability to think critically under pressure, culminating in impressive structures that reflect their engineering acumen.",
  "location": "J314 & J315",
  "teamSize": "2-3",
  "date": "14",
  "timing": "1.30 PM - 4.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\n->Each team will consist of 2 to 3 members. In this round, 30 multiple-choice questions (MCQs) will be asked, and a time limit of 10 minutes will be given to each team. Teams scoring more than 10 marks will qualify for the next round.\n\nRound 2 RULES:\n->Team members will be asked to sit opposite each other. A construction material's name will be assigned to each person, and that person will have to communicate the name to the opposite person without directly using the word. The opposite person will then have to guess the name of the material. A total of 30 material name, for each correct answer, an ice stick will be provided to the team. All the teams will advance to the next round. In the next round, the teams will use the ice sticks they have collected to build a tower.\n\nRound 3 RULES:\n->Each team will be provided with 5 full newspapers and asked to construct a tower. The tower must consist only of the newspapers and the ice sticks earned by each team in the previous round. A total of 45 minutes will be given to each team for construction. The final evaluation will be based on the height, strength, and visual appearance of the tower.",
  "contact_name_1": "Vinoth Kumar S",
  "contact_mobile_1": {
    "$numberLong": "8072899952"
  },
  "contact_name_2": "Salman A",
  "contact_mobile_2": {
    "$numberLong": "9092605000"
  }
},

```

```

{
  "eventName": "Civilphilia",
  "category": "Core Engineering",
  "description": "The Civil Engineering Challenge is a comprehensive three-round competition designed to test the knowledge, skills, and creativity of civil engineering students and professionals. This event aims to provide a platform for participants to showcase their expertise, learn from their peers, and demonstrate their problem-solving skills.",
  "round_title_1": "Civil Insight",
  "round_desc_1": "Civil Insight is the first round of the competition, designed to assess participants' knowledge of civil engineering basics. This round will be conducted online via QR code.",
  "round_title_2": "Material mastery",
  "round_desc_2": "Material Mastery (Visual Identification and Question-Answer Session)\r\nMaterial Mastery is the second round of the competition, designed to test participants' knowledge of civil construction materials.",
  "round_title_3": "Design Dynamics",
  "round_desc_3": "Design Dynamics is the final round of the competition, designed to test participants' skills in designing and drafting civil engineering projects using AutoCAD software.",
  "location": "Civil department UG computer lab and K206 Seminar hall",
  "teamSize": "2-3",
  "date": "15",
  "timing": "9.30 AM - 12.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\n->10 minutes\r\nFormat:Online quiz via QR code\r\nQuestions:10 multiple-choice questions on civil engineering basics, including topics such as structural analysis, materials science, and construction management\r\nScoring: Correct answers and time taken to complete the quiz will be considered for scoring\r\nSelection:The top 10 teams with the highest scores and fastest completion times will advance to the next round.\n\nRound 2 RULES:\n->20 minutes\r\nFormat: Visual identification and question-answer session\r\nMaterials:10 civil construction materials will be displayed visually, and participants will be required to choose one material and answer 10 questions related to it\r\nScoring: Correct answers and material chosen will be considered for scoring\r\nSelection:The top 5 teams with the highest scores will advance to the final round.\n\nRound 3 RULES:\n->1 hour Format: AutoCAD design challenge\r\nTask: Participants will receive an FSI value and plot area, and will be required to design a layout using AutoCAD software.",
  "contact_name_1": "Aadhithya A P",
  "contact_mobile_1": {
    "$numberLong": "9442471929"
  },
  "contact_name_2": "Rahul G V",
  "contact_mobile_2": {
    "$numberLong": "9344813153"
  }
},

```

```

{
  "eventName": "Circuitryzer",
  "category": "Science",
  "description": "Welcome to Circuitryzer, an exciting event focused on electrical and electronic circuits. This technical event is designed to help you improve your skills and challenge yourself in real-world circuit problems. Whether you are new to engineering or love working with circuits, this event will test your ability to troubleshoot, design, and model circuits.",
  "round_title_1": "Circuit Detective",
  "round_desc_1": "In this round, you will practice your troubleshooting skills. You will be given circuits with faults, and your task is to find and fix the issues. Prove your ability to think critically and solve problems.",
  "round_title_2": "The Architect's Blueprint",
  "round_desc_2": "This round will have you take real-world objects and turn them into electrical circuits. You will calculate outputs using circuit parameters and connect theory with practice.",
  "round_title_3": "The Designer's Forge",
  "round_desc_3": "Show off your creativity by designing a circuit that fits specific requirements. Use simulation software to check your design and demonstrate your problem-solving skills.",
  "location": "G-502, G-503",
  "teamSize": "2-4",
  "date": "15",
  "timing": "9.30 AM - 12.30 PM",
  "registration closed?": false,
  "eventRules": "ROUND 1 RULES:\n->1.Participants are not allowed to use mobile phones or AI-based websites for computing solutions.\n\nROUND 2:\n->1.Participants are not allowed to use mobile phones or AI-based websites for computing solutions.\n2.Each team will have a fixed time limit to model circuits based on real-world objects.\n\nRound 3 RULES:\n->1.Each team will have a fixed time limit to design a circuit that meets specific requirements.\n2.Participants must use a convenient simulation software to test and validate their designs.\n3.Participants are not allowed to use mobile phones, AI-based websites or any reference materials for computing solutions.",
  "contact_name_1": "Guru Ragavendhran A S",
  "contact_mobile_1": {
    "$numberLong": "9944857396"
  },
  "contact_name_2": "Sruthi V",
  "contact_mobile_2": {
    "$numberLong": "9384198014"
  }
},

```

```

{
  "eventName": "TechTrails",
  "category": "Coding",
  "description": "An exhilarating multi-round event designed for problem solvers and puzzle enthusiasts! Get ready to test your skills in a series of engaging and thought-provoking rounds that will push your logic, creativity, and coding abilities to the limit. Each solution from the previous round serves as the key to unlock the next!",
  "round_title_1": "Sherlock's Challenge: Unravel the Criminal Mystery",
  "round_desc_1": "Dive into a thrilling CRIME SCENE INVESTIGATION! Solve the mystery by piecing together clues from the crime scene to decode a hidden message. Uncover the CLUE or ANSWER that will unlock your path to the next round. Put on your detective hat and prepare for an exciting challenge!",
  "round_title_2": "Code Rescuer",
  "round_desc_2": "Step into the shoes of a programmer in distress! In Code Rescuer, you'll tackle a broken program that needs your keen eye and problem-solving skills. Debug the code and restore its functionality to advance to the next thrilling stage.",
  "round_title_3": "Logic Labyrinth",
  "round_desc_3": "Here, you will encounter brain-teasing puzzles that will challenge your reasoning abilities. Each puzzle will test your deductive skills and analytical thinking. Use your wit to solve these conundrums and unlock the door to your next adventure. Can you navigate the twists and turns of logic?.\n",
  "round_title_4": "Code Sprint",
  "round_desc_4": "Get your coding skills ready for a challenge in **Code Sprint**! This round presents a coding task that you must complete within a fixed time limit. Showcase your programming prowess and race against the clock to secure your spot in the final round. Are you fast enough?",
  "location": "CC LAB",
  "teamSize": "1-2",
  "date": "14",
  "timing": "9.30 AM - 12.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\n->The solution of Round 1 unlocks the key to Round 2.\n\nRound 2 RULES:\n->The solution of Round 2 unlocks the key to Round 3.\n\nRound 1 and Round 2 together must be completed within the stipulated time; however, the time for individual rounds may be flexible within this total duration.\n\nRound 3 RULES:\n->The solution of Round 3 unlocks the key to Round 4.\n\nRound 4 RULES:\n->Round 3 and Round 4 together must be completed within the stipulated time; however, the time for individual rounds may be flexible within this total duration.\n",
  "contact_name_1": "Athmika C D S",
  "contact_mobile_1": {
    "$numberLong": "7604903279"
  },
  "contact_name_2": "S Swarneshwar",
  "contact_mobile_2": {
    "$numberLong": "8610042672"
  }
}
},

```

```

{
  "eventName": "WhizZone",
  "category": "Science",
  "description": "Calling all creative minds to challenge themselves and others through a series of engaging rounds! Teams will explore diverse questions, creative illustrations, and hands-on challenges that blend fun with learning.",
  "round_title_1": "CodeTrix",
  "round_desc_1": "Teams will engage in a series of diverse questions including references to science in popular culture, intriguing scenarios, and clever memes. The teams will decode clues and solve puzzles to unlock the next stage of the competition.",
  "round_title_2": "Transformize",
  "round_desc_2": "This round is where creativity and teamwork take center stage. Teams will illustrate a unique phenomenon on a blank sheet of paper. With a timer set, the teams will have just a few minutes to convey the given concept visually. As the drawings are passed around, every other team will guess what is depicted.",
  "round_title_3": "Tensify",
  "round_desc_3": "Every team will tackle simple everyday challenges (like balancing challenges, mini catapult building) while explaining the underlying concepts behind their solutions with their critical thinking skills.",
  "location": "G401, G402",
  "teamSize": "2",
  "date": "15",
  "timing": "9.30 AM - 12.30 PM",
  "registration closed?": false,
  "eventRules": "ROUND 1 RULES:\n->1. Each team has to solve 20 questions.\n2. Usage of mobile is prohibited.\n\nRound 2 RULES:\n->1. Time limit is set for both drawing and guessing the concept accordingly.\n2. The teams may not write anything regarding the concept; only illustrations are allowed.\n3. Since the number of times a team's drawing is correctly guessed contributes to bonus points, teams should ensure their drawings are clear.\n\nRound 3 RULES:\n->1. Teams will have to complete challenges in the given order.\n2. The teams can complete as many challenges as they can.\n3. Overall timing and creativity will be the criteria for winning.",
  "contact_name_1": "Pavithra S",
  "contact_mobile_1": {
    "$numberLong": "8248411707"
  },
  "contact_name_2": "Shakthi Lakshmi S",
  "contact_mobile_2": {
    "$numberLong": "8248693937"
  }
},

```

```

{
  "eventName": "TechWhiz",
  "category": "Core Engineering",
  "description": "A thrilling Hackathon event where innovation meets collaboration! Tackle real-world challenges in coding, design, tech and Collaborate in teams to create impactful solutions using cutting-edge tools and technologies.",
  "round_title_1": "Virtuoz",
  "round_desc_1": "In Round One, participants will be required to choose from a list of predefined domains. These domains will encompass various areas such as software development, hardware innovation or other technology-related fields. After selecting a domain, participants are encouraged to identify and propose their own unique problem statements within that domain. Once participants have identified their problem statement, they must develop a clear and innovative solution. They will be asked to prepare a presentation to effectively communicate their proposed solution. \r\n\r\nDomains: \r\n1.Artificial intelligence and machine learning \r\n2.Embedded systems \r\n3.Electronics for renewable energy \r\n4.Smart cities\r\n5.Biomedical technology\r\n6.IoT and automation\r\n7.Quantum computing and electronics\r\n\r\nPoints to be noted during presentation: \r\n1. Problem Statement: A clear and concise definition of the problem they intend to solve, emphasizing the relevance and impact of the issue. \r\n2. Proposed Solution: A description of the proposed solution, including the technologies or methodologies that will be used. \r\n3. Feasibility: A discussion of how practical and achievable the solution is within the given time frame and resources. \r\n4. Innovation: An explanation of how their approach is unique, creative, or offers a significant improvement over existing solutions. \r\n5. Impact: A vision of how the solution can benefit the target audience or community.",
  "round_title_2": "Hacktivate",
  "round_desc_2": "Round 2 is to assess the practical implementation of the ideas proposed in Round 1. Participants are required to bring their working prototypes to demonstrate the viability and effectiveness of their solutions. \r\n\r\nProcess: \r\n1. Prototype Submission: Participants must develop and bring a functional prototype based on their Round 1 proposal. \r\n2. Prototype Presentation: Teams present their prototype, explaining the design, development process, and how the solution addresses the problem. \r\n3. Evaluation Criteria: \r\n  Innovation: Originality and creativity of the solution. \r\n  Technical Complexity: The technical depth and tools used. \r\n  Practical Application: Feasibility and effectiveness of the prototype in \r\n  solving the problem. \r\n  Usability: User-friendliness and ease of use.",
  "location": "G406,G407",
  "teamSize": "2-4",
  "date": "15",
  "timing": "9.30 AM - 4.30 PM",
  "registration closed?": false,
  "eventRules": "ROUND 1 RULES:\r\n->1.Participants can form teams of 2-4 members. No individual participation is allowed. \r\n2.Participants must select one of the given domains and propose a unique problem statement or solution within that domain. \r\n3.All submissions must be the original work of the participants. Plagiarism or use of pre-existing solutions is prohibited.\r\n4.All teams must send their PPT, a day before the event (through WhatsApp or mail which will be informed later) \r\n5.Duration given for each team to present is within 10-15 minutes.\r\n6.There is no limit for number of slides, but strictly adhere to time limit.\r\n\r\nRound 2 RULES:\r\n->1. Round 2 selected teams must display and present their models.\r\n2. Time limit for each team is within 15 minutes.\r\n3. Participants must bring their laptops, if necessary.",
  "contact_name_1": "Nivita S S",
  "contact_mobile_1": {
    "$numberLong": "9345556315"
  },
  "contact_name_2": "Gobihashree S",
  "contact_mobile_2": {
    "$numberLong": "8778541019"
  }
},

```



```

{
  "eventName": "Mindventure",
  "category": "Quiz",
  "description": "\"A Thrilling Quest for the Sharpest Minds\"\nDive into a two-round adventure where strategy, speed, and teamwork are key. Start by connecting the dots in a quiz challenge, uncovering the hidden link among your answers. Advance to the final round to chase QR codes, solve puzzles, and race against time. Will your team emerge victorious?",
  "round_title_1": "Connect the dots",
  "round_desc_1": "Round 1: Connect the Dots\nIn the first round, a quiz will be projected on a screen for all participants to view. Teams will answer the questions using their mobile phones by selecting the correct options. After completing all the questions, they will need to figure out a common connection between their answers. Teams that find the connection within the given time will advance to the final round.\n",
  "round_title_2": "The QR chase",
  "round_desc_2": "Round 2: The QR Chase\nIn the final round, the room will have QR codes pasted in various locations. Teams will scan these QR codes, solve the questions displayed on their phones, and proceed through the challenges. The team that completes all the QR questions first will be declared the winner.\n",
  "location": "J415",
  "teamSize": "2",
  "date": "16",
  "timing": "9.30 AM - 12.30 PM",
  "registration closed?": false,
  "eventRules": "RULES:\n->Teams should have 2 participants \nParticipants should strictly adhere to the time limits\nSwitching of tabs should be avoided.",
  "contact_name_1": "Mohana priya V M",
  "contact_mobile_1": {
    "$numberLong": "6382353714"
  },
  "contact_name_2": "Hanishka K R",
  "contact_mobile_2": {
    "$numberLong": "7904257282"
  }
},

```

```

{
  "eventName": "Auto Arena",
  "category": "Bot",
  "description": "Phase 1: Bolt & Nut Match Challenge\r\nParticipants match various bolts to their exact nuts, focusing on threading systems, precision, and speed. Faster completion earns higher points.\r\n\r\nPhase 2: Ice Stick Bridge Challenge\r\nTeams build a bridge using ice sticks and glue, earning extra materials by answering technical quiz questions. Winners of Phase 1 gain additional resources. Bridges are tested for maximum load-bearing capacity to determine the winner.\r\n\r\nRound 2: Bridge the Gap – ANSYS Unleashed!\r\nA hands-on session where participants analyze a pre-designed bridge/chassis model using ANSYS software. Focus areas include load behavior, material stress analysis, optimization, and safety margin evaluation under different conditions.",
  "round_title_1": "Load & Break",
  "round_desc_1": "Phase 1 : \r\nThe Bolt & Nut Match Challenge is a hands-on, skill-based competition where participants are tasked with matching different types of bolts to their exact corresponding nuts. The event will feature a wide variety of bolts in terms of sizes, threading, and metrics. The goal is to demonstrate knowledge of threading systems, precision, and mechanical understanding as competitors work under time pressure to successfully match each bolt to its perfect nut. Also the team that completing faster will get most points.\r\n\r\nPhase 2 : \r\nIn the Ice Stick Bridge Challenge, teams will compete to build the strongest bridge using only ice sticks and glue. Each team is given a limited number of materials, but they can earn extra ice sticks and glue by answering technical questions correctly in a quiz. The team that wins Phase 1(Bolt & Nut Match Challenge), will gain an advantage by receiving additional materials for bridge construction. Once the bridges are completed, they will be tested by bearing weight, and the bridge that supports the highest load without collapsing will be crowned the winner.",
  "round_title_2": "\r\nBridge the Gap: ANSYS Unleashed!\r\n",
  "round_desc_2": "Round 2 (\r\nBridge the Gap: ANSYS Unleashed!\r\n): \r\n\r\nThis event will provide an in-depth exploration of the analysis of a pre-structured bridge/chasis model using ANSYS software. The session is designed for structural analysts, students, and industry professionals interested in learning about the applications of ANSYS in structural analysis and optimization of bridge/chasis designs. \r\nDuring this session, participants will gain hands-on experience in simulating and analyzing the structural behavior of a pre-designed bridge/chasis model. The focus will be on assessing the bridge/chasis's performance under various loading conditions, including traffic, load transfer, and material stresses. Participants will also explore techniques for improving the design through optimization and evaluating the safety margins of the structure.",
  "location": "K 401,402 , PACE Lab",
  "teamSize": "2-4",
  "date": "14",
  "timing": "1.30 PM - 4.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\r\n->1. Materials Provided\r\nEach team will receive:\r\nIce Cream Sticks: Quantity limited (e.g., 50 sticks, specify in advance).\r\nTandoori Sticks: Quantity limited (e.g., 10 sticks, specify in advance).\r\nGlue: 1 bottle (fixed quantity, no additional glue will be provided).\r\n\r\n2. Team Composition\r\nEach team can have 2-4 members.\r\nNo inter-team sharing of materials or tools is allowed.\r\n\r\n3. Time Limit\r\nTeams will be given 1.5 hrs to complete their bridge.\r\nTime extensions will not be granted under any circumstances.\r\n\r\n4. Design Constraints\r\nThe bridge must have:\r\nA minimum span between the supports will be revealed during the time of the event.\r\nA total height not exceeding 30 cm (from the base).\r\nA square-shaped foundation at both support ends, with sides measuring at least 10 cm x 10 cm.\r\nThe bridge must be a freestanding structure and cannot be fixed to the ground or the supports.\r\n\r\n5. Glue Usage\r\nOnly the provided glue may be used for construction.\r\nExcessive glue spills or coating the entire structure with glue is prohibited.\r\nTeams must manage their glue usage; running out of glue is the team's responsibility.\r\n\r\n6. Testing\r\nEach bridge will be tested for strength by placing incremental weights at its center.\r\nThe weights will increase until the bridge fails or meets the predefined maximum load capacity.\r\nA weight plate or container will be placed at the center, and weights will be added gradually.\r\n\r\n7. Judging Criteria\r\nLoad Capacity: The maximum weight the bridge can withstand without failing.\r\nDesign and Aesthetics: The visual appeal and structural ingenuity of the bridge.\r\nMaterial Efficiency: Effective usage of the provided materials (less wastage scores higher).\r\nAdherence to Rules: Teams violating design constraints or using additional materials will be disqualified.\r\n\r\n8. Prohibited Actions\r\nTeams cannot use any materials other than those provided.\r\nTampering with or altering the provided materials (e.g., melting, burning) is strictly forbidden.\r\n\r\n9. Disqualification\r\nAny team found sharing materials, violating the rules, or indulging in unethical behavior will be disqualified immediately.\r\n\r\n10. Safety Measures\r\nParticipants must handle glue and sharp sticks carefully to avoid injuries.\r\nIn case of emergencies, inform the event coordinators immediately.\r\n\r\nNote\r\nThe decision of the judges will be final and binding.\r\nTeams are encouraged to test and brainstorm designs before the event for optimal results.\r\n\r\nRound 2 RULES:\r\n->Using ANSYS software , participant have to use",
  "contact_name_1": "M Saravanan",
  "contact_mobile_1": {
    "$numberLong": "8072009797"
  },
  "contact_name_2": "Haritha Lakshmi M R",
  "contact_mobile_2": {
    "$numberLong": "6369992539"
  }
}

```

```

},
{
  "eventName": "Astral Arena",
  "category": "Science",
  "description": "A fictional host asks \"Why?\" questions from topics like space, math, and physics. Each team answers, and points are awarded for clarity, creativity, and accuracy. The team with the highest cumulative points across this round is declared the winner.",
  "round_title_1": "Picture Perception",
  "round_desc_1": "Teams analyze and interpret a given picture within a time limit. Judged on creativity, relevance, clarity, and teamwork. Top-scoring teams advance to the next round.",
  "round_title_2": "Group Discussion (GD)",
  "round_desc_2": "Teams participate in a discussion on a given topic. Evaluated on communication, content, teamwork, and leadership. Teams with the lowest scores are eliminated.",
  "round_title_3": "\"Why?\" Challenge",
  "round_desc_3": "A fictional host asks \"Why?\" questions from topics like space, math, and physics. Each team answers, and points are awarded for clarity, creativity, and accuracy. The team with the highest cumulative points across this round is declared the winner.",
  "location": "Drawing hall",
  "teamSize": "2-4",
  "date": "15",
  "timing": "9.30 AM -4.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\n->Teams are shown pictures and must write their analysis or interpretation on paper. \n- Judged on creativity, relevance, and clarity of thought. \n- *No eliminations* in this round. Scores are carried forward to the next round.\n\nRound 2 RULES:\n->Conducted in three phases, with one representative from each team participating in each phase. \n- Before the discussion, teams get *5 minutes* to brainstorm and share ideas with their representative. \n- Representatives discuss the topic while judges evaluate communication, content quality, and teamwork. \n- Teams with the lowest cumulative scores are eliminated.\n\nRound 3 RULES:\n->A fictional host asks \"Why?\" questions on space, math, and physics, triggered by a bulb lighting up. \n- Teams answer quickly, earning points for clarity, creativity, and accuracy. \n- The team with the highest total points is declared the winner.",
  "contact_name_1": "Janarthanan T",
  "contact_mobile_1": {
    "$numberLong": "9025986325"
  },
  "contact_name_2": "Avinash S",
  "contact_mobile_2": {
    "$numberLong": "8637486324"
  }
}
},

```

```

{
  "eventName": "ROBO RALLY",
  "category": "Gold",
  "description": "The Robo Rally dazzled spectators with cutting-edge robotics as teams from around the state will showcase their autonomous creations in a thrilling race of speed and precision. This high-tech competition pushed the boundaries of artificial intelligence, engineering, and innovation, defining the future of robotics in a dynamic and electrifying spectacle.\nABOUT THE ARENA :\n1)\tThe Arena will consists of a starting point, ending point and two checkpoints on its path.\n2)\tThe obstacles such as ropes, tyres muds etc will be placed on its path.\n3)\tIn case of robot moving out of the track or clashing an obstacle, it has to re-start from the nearest checkpoint.\n4)\tThe first 3 robots completing race will be adjudged as the winner of the respective rounds.\n5)\tThe Arena for the “Heats” will be revealed 1 hour before the round starts and the Arena for the “Final” will be revealed immediately after the first round.\n\nABOUT THE ROBOT :\nBot dimensions : 30x30x30 cm. Bot weight : less than 10 kg.\n1.\tThe robots in the contest must be built by the team members.\n2.\tIf the bot is wired control, the cable length is unlimited. However, be careful not to wind the cable on the facilities and game objects in the field.\n3.\tThe bots are designed in such a way that; it shouldn't cause any damage to the game field.\n4.\tThe pneumatic system should not be provided. If the team required compressed air, they could be taken up by their own.\n5.\tAir pressure must not exceed 5 bar.\n6.\tAny power source deemed dangerous may be banned from use.\n7.\tBots are inspected before the event starts and checked for the event's requirements.\n8.\tThe required components are brought on their own, it won't be provided from the organizer's side\n",
  "round_title_1": "Heats",
  "round_desc_1": "The race will be conducted on the given arena with obstacles on its path. The first 3 bots which completes the circuit without clashing the obstacles will advance to the finals.",
  "round_title_2": "Finals",
  "round_desc_2": "The race will be conducted on the given circuit with tougher obstacles on its path.The first 3 bots which completes the circuit without clashing the obstacles will be adjudged as winners\n\n",
  "location": "G301,G302",
  "teamSize": "2-4",
  "date": "15",
  "timing": "9.30 AM - 4.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\n->\n1) The Arena will consists of a starting point , ending point and two checkpoints on its path.\n\n2) The obstacles such as ropes , tyres muds etc will be placed on its path.\n\n3) In case of robot moving out of the track or clashing an obstacle , it has to re-start from the nearest checkpoint.\n\n4) The first 3 robots completing race will be adjudged as the winner of the respective rounds.\n\n5) The Arena for the “ Heats” will be revealed 1 hour before the round starts and the Arena for the “ Final ” will be revealed immediately after the first round.\n\nRound 2 RULES:\n->\n1) The Arena will consists of a starting point , ending point and two checkpoints on its path.\n\n2) The obstacles such as ropes , tyres muds etc will be placed on its path.\n\n3) In case of robot moving out of the track or clashing an obstacle , it has to re-start from the nearest checkpoint.\n",
  "contact_name_1": "BALAJI C",
  "contact_mobile_1": {
    "$numberLong": "8828892817"
  },
  "contact_name_2": "DIYA VISHALI R S",
  "contact_mobile_2": {
    "$numberLong": "7604855026"
  }
}

```

```

{
  "eventName": "Fashion Faceoff: The Ultimate Fashion Quiz",
  "category": "Fashion and Textile",
  "description": "Fashion Faceoff is a dynamic quiz event designed to challenge your knowledge of the ever-evolving world of fashion. Across three thrilling rounds, participants will decode trends, identify iconic brands, and tackle a final quiz to prove their knowledge.",
  "round_title_1": "Trend or Trash",
  "round_desc_1": "A visual quiz where participants identify whether a fashion item or the product is a trending or not. Participants will analyze images of clothing, accessories, and trends and mark them as \"Trend\" or \"Trash.\".",
  "round_title_2": "Brand Battle",
  "round_desc_2": "Test your knowledge of fashion brands through visual clues! The goal is to correctly identify brands from visual cues, including brand's logos, product images and slogans.",
  "round_title_3": "Final Fashion Quiz",
  "round_desc_3": "A final rapid-fire quiz that blends all elements of fashion knowledge, from fabrics and designers to upcoming trends.",
  "location": "J Block class or CAD lab (M-block)- projector is mandatory",
  "teamSize": "2-4",
  "date": "14",
  "timing": "9.30 AM - 12.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\n->In the \"Trend or Trash\" event, each team, consisting of 2-4 members, must submit their names and responses on the provided Google Form within the given deadline. \r\nWe will present 15-20 images that teams must classify as either \"Trend\" or \"Trash\" based on current fashion relevance.\r\nTeams will earn 1 point for every correct classification and 0 for incorrect answers. Submissions must be made within the allotted time (e.g., 3 minutes). Only the top-scoring teams will advance to the next round, with ties resolved by a tiebreaker.\n\nRound 2 RULES:\n->Each team must answer within the set time limit. The team with the highest score wins and moves to the next round. All decisions by the organizers and judges are final.\n\nRound 3 RULES:\n->In the rapid-fire round, teams buzz in to answer questions within 10 seconds. The team with the most points at the end wins, and ties are broken with a final question.",
  "contact_name_1": "Rethiksha K S",
  "contact_mobile_1": {
    "$numberLong": "7418021340"
  },
  "contact_name_2": "Nithish Kumar R",
  "contact_mobile_2": {
    "$numberLong": "6369379665"
  }
},

```

```

{
  "eventName": "TeeStory: T-Shirt Design Challenge",
  "category": "Fashion and Textile",
  "description": "Turn your ideas into wearable art! Design a T-shirt inspired by a story, showcasing your creativity through colors, patterns, and graphics that make your concept come alive.",
  "round_title_1": "Picture Pick",
  "round_desc_1": "Participants will randomly select a chit to determine the theme and pick 4 pictures related to it from a given set. These pictures will form the basis for their design story.",
  "round_title_2": "Story Spin",
  "round_desc_2": "Using the 4 chosen pictures, participants must craft a creative story or concept. This story will act as the inspiration for their T-shirt design.",
  "round_title_3": "Design the Tee",
  "round_desc_3": "Participants will create a T-shirt design inspired by their story, combining creativity and aesthetics to bring their concept to life.",
  "location": "J Block class or Surface Embellishment lab (M-block)",
  "teamSize": "1-2",
  "date": "14",
  "timing": "1.30 PM - 4.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\n->Each participant picks a chit to determine the theme.\n\nChoose 4 pictures that best fit the theme.\n\nPictures cannot be swapped with others.\n\nRound 2 RULES:\n->Write a short story or description based on the selected pictures.\n\nEnsure the story aligns with the theme and connects all 4 pictures.\n\nSubmission must be within the given time limit (e.g., 20 minutes).\n\nRound 3 RULES:\n->Use the provided materials to sketch or design the T-shirt.\n\nThe design must reflect the story and incorporate elements from the pictures.\n\nDesigns must be submitted within the given time limit (e.g., 45 minutes).\n\nJudging will be based on creativity, relevance to the story, and overall appeal.",
  "contact_name_1": "Subiksa K A",
  "contact_mobile_1": {
    "$numberLong": "6381787982"
  },
  "contact_name_2": "Aditi T",
  "contact_mobile_2": {
    "$numberLong": "7708272888"
  }
},

```

```

{
  "eventName": "Solar implant",
  "category": "Core Engineering",
  "description": "Solar Implant is a comprehensive event aimed at understanding energy consumption and solar energy solutions. Participants will calculate electrical parameters like current, voltage, power, and energy consumption, along with determining tariffs in Round 1. In Round 2, they will design a solar energy setup by selecting appropriate solar panels and understanding inverter basics. The event combines analytical, technical, and practical knowledge to optimize energy use. It empowers participants with skills to design efficient and sustainable energy systems.",
  "round_title_1": "Electrical Parameter Calculation and Tariff Analysis",
  "round_desc_1": "In this round, participants will be provided with data on circuit configurations, appliance ratings, and a detailed tariff sheet. Using this information, they must calculate essential electrical parameters, including current, voltage, power, and energy consumption. Participants will then analyze the results to determine the total tariff for the circuits based on the provided formulas. This round tests their ability to interpret data, perform precise calculations, and apply theoretical knowledge in practical scenarios. Accuracy and efficiency will be key to advancing to the next round.",
  "round_title_2": "Solar Panel Selection and Inverter Basics",
  "round_desc_2": "In this round, participants will use the energy requirements calculated in Round 1 to select the most suitable solar panels for the given setup. They must consider factors such as panel efficiency, power output, and compatibility with the system. Additionally, participants will apply basic knowledge about inverters to ensure proper integration of the solar panels with the electrical system. This round emphasizes practical decision-making and technical understanding of solar energy solutions. Participants will be evaluated on the feasibility, efficiency, and optimization of their designs.",
  "location": "J 307,J308,J309",
  "teamSize": "2-3",
  "date": "15",
  "timing": "9.30 AM - 4.30 PM",
  "registration closed?": false,
  "eventRules": "RULES:\n->Participants should strictly adhere to the time limit. \n\nParticipants are strictly prohibited from using the internet.\n\nParticipants are advised not to indulge in any form of malpractice.",
  "contact_name_1": "Nisha brishilla S",
  "contact_mobile_1": {
    "$numberLong": "9361555686"
  },
  "contact_name_2": "Kaviya P",
  "contact_mobile_2": {
    "$numberLong": "7867925399"
  }
},

```

```

{
  "eventName": "CRITICAL THINKER",
  "category": "Core Engineering",
  "description": "The Bridge Building Competition is a highly engaging and creative event designed to test participants' engineering skills, structural understanding, and teamwork. In this challenge, participants use ice cream sticks (craft sticks), glue, and thread to construct a bridge model that meets specific criteria and is judged based on several performance metrics. This event encourages innovation, problem-solving, and hands-on learning in a competitive and fun environment.",
  "round_title_1": "Technical Quiz",
  "round_desc_1": "Technical Quiz: The initial round featured a quiz on various Technical aspects of mechanical engineering.",
  "round_title_2": "Bridge Building Challenge",
  "round_desc_2": "Bridge Building Challenge: In the second round, selected teams faced the practical challenge of constructing a bridge using ice sticks, thread, and glue.",
  "location": "G 401",
  "teamSize": "2-4",
  "date": "16",
  "timing": "9.30 AM -12.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\n->Based on their scores, teams were shortlisted for the next round.\n\nRound 2 RULES:\n->They were provided with dimension constraints to adhere to during construction. Additionally, teams were required to provide written applications detailing the intended purpose and design considerations of their bridges.Once the construction phase was complete, the bridges underwent inspection. Judging criteria included both functionality and aesthetics. Judges meticulously evaluated each bridge, considering factors such as load-bearing capacity, structural integrity, and visual appeal.",
  "contact_name_1": "KAVIN KUMAR",
  "contact_mobile_1": {
    "$numberLong": "9578680392"
  },
  "contact_name_2": "PERIYASAMY",
  "contact_mobile_2": {
    "$numberLong": "9629846777"
  }
},

```



```

{
  "eventName": "Levitas",
  "category": "Core Engineering",
  "description": "\"Levitas\" is a 6 hrs technical competition that challenges participants to apply their understanding of aerodynamics and engineering principles to design, test, and optimize paper planes. This event fosters creativity, analytical thinking, and teamwork through three competitive rounds.",
  "round_title_1": "Aerodynamic Design and Engineering Analysis",
  "round_desc_1": "Craft a paper plane focusing on aerodynamic efficiency and engineering \nprinciples. Includes submitting a brief explanation of their design covering aspects like lift, drag, stability and centre of gravity.",
  "round_title_2": "Precision and Control Challenge",
  "round_desc_2": "This round evaluates the precision and control of paper planes by challenging participants to fly through a series of hoops and achieve a controlled landing in a designated zone. The focus is on flight accuracy, path control, and landing finesse.",
  "round_title_3": "Relay Circuit Challenge",
  "round_desc_3": "This round emphasizes teamwork, precision, and timing as teams participate in a relay-style event. Each team member launches their plane in sequence, navigating through checkpoints and hitting designated targets, showcasing collaboration and flight accuracy.",
  "location": "Basketball Court",
  "teamSize": "3-6",
  "date": "15",
  "timing": "9.30 AM -4.30 PM",
  "registration closed?": false,
  "eventRules": "Round 1 RULES:\n->Use only the provided materials for construction.\nDesigns must demonstrate aerodynamic stability and durability.\nAll planes must meet the specified size and design considerations.\nTeams must complete their designs within the allotted time.\n\nRound 2 RULES:\n->Participants must aim their planes at circular hoops placed at varying distances.\nPoints are awarded based on the number of hoops successfully cleared.\n\nIn the landing segment, planes must land inside a designated landing zone.\nAdditional points will be granted for controlled and smooth landings.\nEach participant/team gets a limited number of attempts to complete both tasks.\n\nRound 3 RULES:\n->Teams must launch their planes one after the other in a relay sequence.\nPlanes are required to pass through a series of checkpoints or hit designated targets in the correct order.\nA missed checkpoint requires retries, adding to the overall time.\nEach team member gets only one turn per relay sequence.\nTeams have a limited time to complete the challenge.",
  "contact_name_1": "Deepti V",
  "contact_mobile_1": {
    "$numberLong": "8667332990"
  },
  "contact_name_2": "Pretyush S",
  "contact_mobile_2": {
    "$numberLong": "9025548549"
  }
}
}
]

```

Details of all Workshops:

```
[
  {
    "workshopName": "Edge AI Based Embedded System",
    "description": "This workshop aims to provide participants with a comprehensive understanding of ARM Cortex architecture, the integration of peripherals on STM32 microcontrollers, and the practical implementation of machine learning models using STM32 platforms in conjunction with CubeIDE. Participants will learn how to leverage the power of ARM Cortex cores and STM32 peripherals to develop and deploy machine learning applications on embedded systems, specifically targeting resource-constrained environments.",
    "location": "Applied Electronics Laboratory (E Block Ground Floor)",
    "date": "15",
    "time": "9.30 AM - 04.30 PM",
    "registration closed?": false,
    "maxCount": "30",
    "agenda": [
      [
        {
          "time": "9:30 AM - 12:30 PM",
          "description": [
            "Overview of ARM architecture and STM32"
          ]
        },
        {
          "time": "1:30 PM - 4:30 PM",
          "description": [
            "Implementation of Machine Learning Models on STM32"
          ]
        }
      ]
    ],
    "contact_name_1": "Kavinraj K",
    "contact_mobile_1": "9524816331",
    "contact_name_2": "Naveena M",
    "contact_mobile_2": "8148178425"
  },
]
```

```
{
  "workshopName": "Crack The Code",
  "description": "\"Crack the Code\" by Dr. Anand from Amrita University
is an engaging session on problem-solving and algorithmic thinking.
Enhance your logical reasoning, creativity, and programming skills through
interactive activities and live demos. This session will unveil innovative
approaches to tackle complex coding challenges and master efficient
algorithms.",
  "location": "IT Main Lab - 1 (E Block 4th Floor)",
  "date": "15",
  "time": "9.30 AM - 12.30 PM",
  "registration closed?": false,
  "maxCount": "60",
  "prerequisites": "Laptops have to be brought by the participants",
  "agenda": [
    [
      {
        "time": "9:30 AM - 12:30 PM",
        "description": [
          "Enhancing problem-solving and algorithmic thinking."
        ]
      }
    ]
  ],
  "contact_name_1": "Gayathri R",
  "contact_mobile_1": "9344512103",
  "contact_name_2": "Vishal K",
  "contact_mobile_2": "9443208357"
},
```

```

{
  "workshopName": "Sensor Interface and Integration",
  "description": "In this Sensor Interface & Integration Workshop,
students from various colleges were taught about Various sensors.They were
given a brief introduction about the sensors. Then, they were taught to
use the sensors using the Labview Software Interface. They were also given
hands-on training & Manual to use the sensors.",
  "location": "Sensorics Lab G 205, G 301",
  "date": "15",
  "time": "9.30 AM - 04.30 PM",
  "registration closed?": false,
  "maxCount": "50",
  "agenda": [
    [
      {
        "time": "9:30 AM - 12:30 PM",
        "description": [
          "Introduction of Sensors"
        ]
      },
      {
        "time": "1:30 PM - 4:30 PM",
        "description": [
          "Segregation and performing practicals of the Sensors"
        ]
      }
    ]
  ],
  "contact_name_1": "Mohamed Ashif P J",
  "contact_mobile_1": "6384272987",
  "contact_name_2": "Gokul C",
  "contact_mobile_2": "9944320475"
},

```

```
{
  "workshopName": "Design and Analysis of EV Traction Motor Systems",
  "description": "This workshop provides an in-depth understanding of the
design and sizing principles for power drives and drive trains in electric
vehicle (EV) traction motor systems. Participants will explore key
concepts related to motor selection, power drive design, and integration
of drive train components to optimize EV performance.",
  "location": "J314",
  "date": "15",
  "time": "9.30 AM - 04.30 PM",
  "registration closed?": false,
  "maxCount": "70",
  "agenda": [
    [
      {
        "time": "9:30 AM - 12:30 PM",
        "description": [
          "Design and Sizing of Power train"
        ]
      },
      {
        "time": "1:30 PM - 4:30 PM",
        "description": [
          "Design and sizing of Drive Train"
        ]
      }
    ]
  ],
  "contact_name_1": "Varun Prasad M S",
  "contact_mobile_1": "9344910871",
  "contact_name_2": "Kaviya S V",
  "contact_mobile_2": "9360555418"
},
```

```

{
  "workshopName": "Cloud - Edge Systems in Industrial IoT Applications",
  "description": "Dive into the world of Industrial IoT with this engaging
workshop on Cloud and Edge systems. Learn the essentials of computing
frameworks, including serial, edge, and cloud computing, and their role in
real-time industrial applications. Experience hands-on sessions to master the
integration of these technologies and unlock the potential of next-gen
industrial systems.",
  "location": "Y202",
  "date": "15",
  "time": "9.30 AM - 04.30 PM",
  "registration closed?": false,
  "maxCount": "60",
  "agenda": [
    [
      {
        "time": "9:30 AM - 10:45 AM",
        "description": [
          "Introduction to types of computing in industrial scenario."
        ]
      },
      {
        "time": "11:00 AM - 12:30 PM",
        "description": [
          "Introduction to Serial computing in IIoT."
        ]
      },
      {
        "time": "01:30 PM - 3:00 PM",
        "description": [
          "Introduction to Edge computing in IIoT"
        ]
      },
      {
        "time": "3:15 PM to 4:30 PM",
        "description": [
          "Introduction to Cloud computing in IIoT"
        ]
      }
    ]
  ],
  "contact_name_1": "Ashwin T",
  "contact_mobile_1": "8610869652",
  "contact_name_2": "Sivarekha K",

```

```
    "contact_mobile_2": "6381045972"
  },
  {
    "workshopName": "Laser Material Processing",
    "description": "The Laser Material Processing Workshop is a comprehensive session designed to provide insights into laser-based manufacturing techniques like Selective Laser Melting (SLM) & Directed Energy Deposition (DED). The workshop includes a 3 hours lecture covering the principles, applications, and challenges of laser material processing, along with tools like GLEEBLE for thermal-mechanical testing. Following the lecture, participants will engage in hands-on ANSYS simulations to model processes such as heat transfers & residual stress analysis during laser processing. This workshop bridges theoretical knowledge with practical applications, offering a holistic learning experience.",
    "location": "Y 201",
    "date": "15",
    "time": "9.30 AM - 04.30 PM",
    "registration_closed?": false,
    "maxCount": "30",
    "agenda": [
      [
        {
          "time": "9:30 AM - 11:00 AM",
          "description": [
            "Lecture on SLM & DED"
          ]
        },
        {
          "time": "11:15AM - 12:30 PM",
          "description": [
            "Lecture on Thermo-mechanical simulations"
          ]
        },
        {
          "time": "1:30 PM - 4:30 PM",
          "description": [
            "Hands on Training - Ansys"
          ]
        }
      ]
    ],
    "contact_name_1": "Harish B",
    "contact_mobile_1": "90252 65168",
    "contact_name_2": "Madhumitha P",
```

```

    "contact_mobile_2": "9384416470"
  },
  {
    "workshopName": "MedXplore",
    "description": "The workshop provides a comprehensive understanding of
the principles, applications, and operational mechanisms of medical
equipment. Participants will benefit from detailed explanations, coupled
with an interactive hands-on session to enhance practical knowledge and
technical skills. This initiative is tailored for individuals seeking to
deepen their expertise in medical technology, instrumentation, and its
applications in healthcare.",
    "location": "Medical Informatics lab",
    "date": "15",
    "time": "9.30 AM - 04.30 PM",
    "registration closed?": false,
    "maxCount": "50",
    "agenda": [
      [
        {
          "time": "9:30 AM - 12:30 PM",
          "description": [
            "Introduction to Medical equipments."
          ]
        },
        {
          "time": "1:30 PM - 4:00 PM",
          "description": [
            "Hands-on Session"
          ]
        }
      ]
    ],
    "contact_name_1": "Mohana priya V M",
    "contact_mobile_1": "6382353714",
    "contact_name_2": "Hanishka K R",
    "contact_mobile_2": "7904257282"
  },

```



```

{
  "workshopName": "NEURONS TO NETWORK: Fundamentals of Computational
Neuroscience ",
  "description": "This workshop aims to equip participants with skills in
using CellDesigner, NEURON, and MATLAB to model biological pathways,
neurons, and brain circuits. It includes hands-on sessions to create and
simulate pathways, neurons, and circuits, and to analyze data.
Participants will learn how to apply these tools to solve real-life
problems in biology and neuroscience.",
  "location": "CC Lab",
  "date": "15",
  "time": "9.30 AM - 04.30 PM",
  "registration closed?": false,
  "maxCount": "90",
  "agenda": [
    [
      {
        "time": "9:30 AM - 12:30 PM",
        "description": [
          "Introduction and tool such as CellDesigner, NEURON and MATLAB
Simulink"
        ]
      },
      {
        "time": "1:30 PM - 4:30 PM",
        "description": [
          "Hands on Training and case studies"
        ]
      }
    ]
  ],
  "contact_name_1": "Sharumathi S",
  "contact_mobile_1": "8838758211",
  "contact_name_2": "Shwetha T",
  "contact_mobile_2": "9629274392"
},

```

```

{
  "workshopName": "Introduction to GenAI and various GenAI models",
  "description": "This workshop introduces participants to Generative AI, its underlying principles, and its applications in creating text, audio, and video content. It covers theoretical concepts and practical demonstrations, followed by hands-on sessions for applying learned skills.",
  "location": "K504 with 50 to 60 people capacity",
  "date": "15",
  "time": "9:30 AM - 4:30 PM",
  "registration closed?": false,
  "maxCount": "50",
  "agenda": [
    [
      {
        "time": "9:30 AM - 12:30 PM",
        "description": [
          "This session provides an in-depth introduction to Generative AI, including an overview of its capabilities and applications. Key topics include:\n\n1. Introduction to Generative AI and its significance.\n2. Concepts of prompt engineering and effective prompt creation.\n3. Types of generative AI (e.g., GPT, DALL·E, Stable Diffusion).\n4. Overview of various models and their architectures.\n5. Real-world applications of generative AI in content creation, marketing, and innovation.\nThe session includes live demonstrations to showcase practical use cases."
        ]
      },
      {
        "time": "2:00 PM to 5:00 PM",
        "description": [
          "This session focuses on practical implementation, where participants will apply generative AI techniques to create content. Key activities include:\n1. Text Content Generation: Creating blog posts, stories, and other text-based outputs using models like GPT.\n2. Audio Content Generation: Generating voiceovers, music, and synthesized audio using AI tools such as Descript or similar.\n3. Video Content Generation: Producing AI-generated videos, animations, or visual content using tools like Runway ML or similar platforms.\nParticipants will gain hands-on experience, enabling them to understand and leverage the capabilities of generative AI tools effectively."
        ]
      }
    ],
    [
      "contact_name_1": "Mohan Prasath S",
      "contact_mobile_1": "9025802851",
      "contact_name_2": "Nivethithaa S",
      "contact_mobile_2": "9360377520"
    ]
  ],
},

```

```

{
  "workshopName": "Touch Tech Unleashed: Mastering Displays in Hands-On Sessions",
  "description": "Unlock the potential of interactive touchscreen technology in our
two-session workshop on DWIN Touch Screen Display Interfaces! Inspired by the advanced
e-cockpit design from automobile industry, this workshop equips participants with the skills
to seamlessly integrate touchscreens into their projects.\r\n\r\nOver the course of two
sessions, you'll learn to design, program, and implement custom interfaces using DWIN
displays. From the fundamentals to hands-on project development, this workshop is your gateway
to smarter and more interactive designs for applications ranging from automotive to IoT and
beyond.",
  "location": "embedded lab, ece department",
  "date": "14",
  "time": "9:30 AM - 4:30 PM",
  "registration closed?": false,
  "maxCount": "40",
  "agenda": [
    [
      {
        "time": "9:30 AM - 12:30 PM",
        "description": [
          "Dive into the world of touchscreen technology with an introduction to its
applications and significance in modern smart devices. This session focuses on the
fundamentals of touchscreen displays, exploring their architecture, setup, and basic
programming. Participants will:\r\n-Learn how to connect and configure a touchscreen
display.\r\n-Gain hands-on experience with firmware uploads and GUI tools.\r\n-Design a simple
interactive interface using touchscreen software.\r\nBy the end of this session, you'll have a
functional understanding of touchscreen hardware and software, ready to take the next step
toward building interactive projects."
        ]
      },
      {
        "time": "1:30 PM - 4:30 PM",
        "description": [
          "Take your skills to the next level by diving into advanced interface design and
programming. This session emphasizes creating dynamic, interactive interfaces for real-world
applications. Participants will:\r\n\r\n- Explore advanced GUI customization, including
animations and widgets.\r\n- Learn to integrate communication protocols like UART for
real-time interaction.\r\n- Build a mini-project such as a smart control panel or IoT
dashboard.\r\n- Debug and optimize touchscreen performance for reliability.\r\nBy the end of
this session, you'll have the expertise to design, code, and implement professional-grade
touchscreen interfaces for various applications."
        ]
      }
    ]
  ],
  "contact_name_1": "Dwarkesh",
  "contact_mobile_1": "9444866750",
  "contact_name_2": "Dwarkesh",
  "contact_mobile_2": "9444866750"
}

```

```

},
{
  "workshopName": "ARC - AI-driven Resilient Cybersecurity",
  "description": "This workshop is designed to introduce you to the fascinating intersection of AI and
cybersecurity, with a focus on both the theoretical underpinnings and hands-on implementation of core
concepts. We'll dive into the latest trends and technologies, including:\n\n    Generative AI for
creating and detecting adversarial attacks.\n    Federated Learning for secure, decentralized threat
detection.\n    Homomorphic Encryption to train machine learning models while preserving data
privacy.\n    Zero Trust Security Models powered by AI for adaptive, real-time threat detection.\n
AI-based Firewalls like FLARE (Federated Learning and Resilient Encryption) for dynamic response to
cyberattacks.\n    Explainable AI (XAI) to build trust in security systems by making AI-driven
decisions more transparent.\n    Large Language Models (LLMs) such as ChatGPT and Gemini for phishing
detection and incident response.\n\nWhether you're a beginner or a tech enthusiast, this workshop will
help you grasp the fundamentals through interactive sessions and hands-on labs. You'll explore how AI
can be trained to recognize cyber threats, how machine learning models can be used to classify
malicious traffic, and how emerging tools like Secure Multi-Party Computation and Differential Privacy
are revolutionizing the way we approach data protection.",
  "location": "3AI Lab (E Block)",
  "date": "15",
  "time": "9:30 AM - 4:30 PM",
  "registration closed?": false,
  "maxCount": "50",
  "agenda": [
    [
      {
        "time": "9.30 AM - 12.30 PM",
        "description": [
          "The morning session will lay the groundwork for understanding cybersecurity and its
critical role in today's digital\n landscape. Participants will spend the first 1.5 hours learning
about various threats, vulnerabilities, and challenges\n faced by organizations in the ever-evolving
cybersecurity domain. This will be followed by a detailed introduction to\n cyber defense and cyber
threat intelligence (CTI), exploring proactive mechanisms for detecting and mitigating threats\n while
leveraging intelligence for robust defense strategies. The session will conclude with a 30-minute
hands-on\n exercise where participants will implement basic defense setups and experience real-world
threat mitigation techniques."
        ]
      },
      {
        "time": "1.30 PM - 4.30 PM",
        "description": [
          "The afternoon session will introduce participants to the integration of AI/ML into
cybersecurity, focusing on\n Privacy-Preserving Machine Learning (PPML) and Federated Learning (FL).
During the first 1.5 hours, participants will\n explore these concepts in depth, understanding their
methodologies and practical applications in safeguarding sensitive\n data and enhancing security. The
second half of the session will be fully hands-on, allowing participants to engage in\n real-time
testing of a Federated PPML system tailored for cybersecurity scenarios. This interactive segment will
provide\n valuable insights into the performance and practical implementation of these advanced
systems."
        ]
      }
    ]
  ],
  "contact_name_1": "Aswin C",
  "contact_mobile_1": "7200052823",
  "contact_name_2": "Mahizha N S",
  "contact_mobile_2": "9629666039"
}

```

Details of all Paper Presentations:

```
[
  {
    "eventName": "ADVANCE METHOD OF REFRIGERATION AND AIR CONDITIONING",
    "theme": "Advance of Refrigeration and Airconditioning.",
    "topic": "1.Smart Building Systems and Automation (related to HVAC
systems)\n2.Cooling Technologies \n3.Heating and Cooling for Districts (Energy
Efficiency and Heat Recovery)\n4.Cold Storage and Refrigerated Transportation
Systems\n5.Indoor Air Quality and Industrial Ventilation\n6.Applications for
Low-Temperature Cooling\n7.New Technologies and Materials in HVAC
Systems\n8.Natural and Eco-Friendly Refrigerants\n9.Poly-generation in HVAC
(Producing Electricity, Heat, and Cooling Together)\n10.Advances in Refrigerated
Cold Chains and Storage\n11.Sorption Systems for Heating and
Cooling\n12.Thermodynamic Systems for Refrigeration and Cooling\n13.Thermal
Energy Storage in Refrigeration Systems.\n",
    "rules": "1)Team 2-4 members\n2)10 to 15 mins for team\n3) End for the
presentation questions will be ask by Judge\nNOTE:\nOwn idea...\nDon't copy
internet and AI contents for presentation.",
    "location": "Y BLOCK 2ND FLOOR (Y201)",
    "date": "14",
    "timing": "9:30 AM - 4.30 PM",
    "deadline": "01",
    "teamSize": "2-4",
    "registration closed?": false,
    "contact_name_1": [
      "Maria Mathews S",
      {
        "$numberLong": "8056374741"
      }
    ],
    "contact_mobile_2": [
      "AB. Ramkishore",
      {
        "$numberLong": "7845403319"
      }
    ],
    "eventMail": [
      "studentschapterishrea@gmail.com"
```

```

    ]
  },
  {
    "eventName": "Technoration",
    "theme": "Initiating substantive dialogues, our discussions meticulously navigate regulatory challenges, economic feasibility, and global ramifications. The overarching objective is to a paradigm shift towards environmentally conscious construction practices, envisioning a future wherein structures harmoniously coalesce with nature.",
    "topic": "We welcome a broad range of topics:\r\n\r\nArtificial Intelligence and Machine Learning in ECE\r\n\r\nGreen and Sustainable Electronics\r\n\r\nAutonomous Vehicle Technologies\r\n\r\nNext-Generation Networking (5G/6G)\r\n\r\nQuantum Computing\r\n\r\nLow Power VLSI\r\n\r\nDigital Twins in Electronics and Communication\r\n\r\nElectromagnetic Interference and Compatibility\r\n\r\nEmbedded Systems & IoT\r\n\r\nThe Topics/Domains listed above are carefully chosen from highly reputed sources such as the Gartner's Hype Cycle 2023, IEEE and similar sources, that shed light on the latest industry trends. This event provides students a platform to present and discuss on their innovative work, while also motivating them to learn and research on the newest industry trends.\r\n\r\n",
    "rules": "Minimum 1 and maximum 3 members in a team.\r\nEach participant or team is limited to submitting only one abstract.\r\nSubmit your abstracts within 18 days from the start date of registration for this event. For submission, abstracts shall be e-mailed to: assn.ece@psgtech.ac.in\r\n\r\n",
    "location": "J-313 and J-314 (or) J-414 and J-415",
    "date": "15",
    "timing": "9:30 AM - 12.30 PM",
    "deadline": "15",
    "teamSize": "1-3",
    "registration closed?": false,
    "contact_name_1": [
      "Neha Babu Rajkumar",
      {
        "$numberLong": "7418993936"
      }
    ],
    "contact_mobile_2": [
      "Visnu Tharsan T",
      {
        "$numberLong": "9790600975"
      }
    ],
    "eventMail": [
      "igbc.psgtech2024@gmail.com"
    ]
  },
},

```

```

{
  "eventName": "அறிந்தமிழ் கூடல்",
  "theme": "With a commitment to advancing clarity, originality, and critical analysis, our primary objective is to champion novelty and innovation within a broad range of technical fields. The subsequent discussion will encompass the following topics",
  "topic": "1.செயற்கை நுண்ணறிவு (Artificial intelligence)\r\n2.பொருட்களின் இணையம் (IoT)\r\n3.இயந்திர கற்றல் ( Machine learning)\r\n4.குவாண்டம் கணிணி (Quantum Computing)\r\n5.தானியங்கி டிரோன் ( Autonomous drones)\r\n6.மூப்பரிமான அச்சாக்கம் (3D Printing)\r\n7.மெய் நிகர்( Virtual Reality)\r\n8.உட்பொதிக்கப்பட்ட அமைப்பு (Embedded Systems)\r\n9.மின்சார வாகனங்கள் (Electric Vehicles)",
  "rules": "கீழே கொடுக்கப்பட்டுள்ளபடி அனைத்து சுருக்கங்களும் மின்னணு முறையில் மட்டுமே சமர்ப்பிக்கப்பட வேண்டும்.\r\nஆய்வு கட்டுரைக்கான அமைப்பு:\r\n• தலைப்பு.\r\n• சமர்ப்பிக்கும் பங்கேற்பாளர்.\r\n• இணை பங்கேற்பாளர் (\r\nகள்)\r\n• கல்வி நிறுவனம்\r\n• பங்கேற்பாளர்களின் துறை\r\n• அறிமுகம்\r\n• முடிவுகள்\r\n• கலந்துரையாடல்\r\n• முடிவுரை.\r\n\r\n•அனைத்து சுருக்க உரைகளும் (ABSTRACT) இரண்டு பக்கங்களில் PDF வடிவத்தில் மட்டுமே சமர்ப்பிக்கப்பட வேண்டும்.(அதிகபட்சம் இரண்டு பக்கங்கள்)\r\n•ஹைப்பர்லிங்க்கள், அனிமேஷன் படங்கள் அல்லது வீடியோக்கள் அனுமதிக்கப்படமாட்டாது.\r\n•பங்கேற்பாளர், கொடுக்கப்பட்ட தலைப்பில் இருந்து மட்டுமே தலைப்பைத் தேர்ந்தெடுத்து கட்டுரையை சமர்ப்பிக்க வேண்டும்.\r\n•சுருக்க உரையை (ABSTRACT) ஆசிரியர் குழுவால் ஆராயப்படும். ஆசிரியர் குழுவின் உடைய பரிந்துரையே இறுதியானது.\r\n•தேர்ந்தெடுக்கப்படும் சுருக்க உரைகளே அடுத்த சுற்றுக்கு அனுமதிக்கப்படும்.\r\n",
  "location": "G - 306",
  "date": "15",
  "timing": "9:30 AM - 12.30 PM",
  "deadline": "15",
  "teamSize": "1 - 3",
  "registration closed?": false,
  "contact_name_1": [
    "M DINESH",
    {
      "$numberLong": "8148462975"
    }
  ],
  "contact_mobile_2": [
    "ANIRUTHAN B",
    {
      "$numberLong": "9360778591"
    }
  ],
  "eventMail": [
    "kanithamilperavai@gmail.com"
  ]
}
]

```