



SHIVGRAM EDUCATION SOCIETY'S  
SHREE RAYESHWAR INSTITUTE OF ENGINEERING AND  
INFORMATION TECHNOLOGY



SHIVSHAIL, SHIRODA - GOA, 403103

STUDENT'S COUNCIL 2024-25

PRESENTS



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REGISTER NOW

9<sup>TH</sup> AND 10<sup>TH</sup> APRIL 2025

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# LEGION

## CAPTURE THE FLAG

ENTRY FEES: 300

- **Description:**

Get ready to put your cybersecurity skills to the ultimate test at Legion! A 2-day Jeopardy-style Capture The Flag competition designed for problem-solvers, cybersecurity enthusiasts, and hackers at heart. Participate in teams of 2-3 members and challenge yourself with tasks across various cybersecurity domains. Compete to solve as many challenges as possible within the given time, claim the flags, and emerge as the ultimate Legion Champion!

- Team Size: 2-3 members from the same college (any department)

- Eligibility: Must be currently pursuing a degree

- Participation Limit: Limited to 15 teams

- Mode: Offline event (10 AM to 5PM)

- Location: The CTF event will take place in CR-05

- **Challenges**

- Web Exploitation

- Cryptography

- Forensics

- OSINT (Open Source Intelligence)

- Reverse Engineering

- Pwn/Binary Exploitation

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- **Rules:**

- Any unauthorized attempts to compromise the host system will result in disqualification.

- Adherence to all event rules is essential to maintain a fair and competitive environment.

- The team with the highest score will be declared the winner; in the event of a tie, the team that solves the challenges more swiftly will be ranked higher.

- Format: The Capture The Flag (CTF) event will follow a Jeopardy-style format. Participants will either download challenge files to extract the "flag" or interact with a web service to retrieve it.

- Flags must be submitted in the format TECH\_TWISTER{flag}; for example, if the flag is h3ll0w0rld, it should be submitted as TECH\_TWISTER{h3ll0w0rld}.

# LEGION

## CAPTURE THE FLAG

- Teams may utilize online resources and tools, but external human assistance or sharing challenges on public platforms is strictly prohibited and will lead to disqualification.
- Hints will be provided on the platform; however, using hints will result in point deductions.

### PRIZES:

**1ST PLACE: ₹5,000**

**2ND PLACE: ₹3,000**

### Event Coordinators:

Leo Francis  
(+91 74992 16988)

Sahil Patrekar  
(+91 95034 12867)

# WEB-A-THON

## ENTRY FEES: 300

- **Description:**

Step into the world of innovation at Web-A-Thon, where creativity, problem-solving, and coding skills collide in an electrifying showdown! This two-day web development challenge dares participants to build a fully functional website with a powerful backend—but there's a catch! The theme or problem statement will be unveiled only at the start, pushing your adaptability, teamwork, and technical prowess to the limit.

- **Participation:**

- Participants must compete in teams of 2 to 4 members.

- **Event Timing:**

- The event will take place over two days, running from 10:00 AM to 5:00 PM on both days.

- **Rules:**

- Topics will be assigned at the beginning of the event.
- Participants must develop a fully functional website with a backend based on a topic or problem statement revealed at the start of the event, within the given time.
- Participants must bring their own laptops and charger.
- Pre-built projects or templates are not allowed. Code must be written during the competition.
- Internet access is allowed for research purposes, but direct use of existing codebases is discouraged.
- Teams must document and present their project at the end.
- Each team is allowed only one submission.
- The judges decisions are final and binding.
- Code must be hosted/deployed (locally or on a cloud platform) for final evaluation.
- All participants are expected to adhere to the event's timeline and rules to ensure a smooth experience.

# WEB-A-THON

- **Judging Criteria:**

- Functionality: How well the website meets the given topic/ problem statement requirements.
- UI/UX Design: Clean, user-friendly, and responsive interface.
- Code Quality: Well-structured, maintainable, and optimized code.
- Innovation: Unique features and creative problem-solving.
- Overall presentation and completeness.

- **Reporting Time:**

- Participants must arrive 30 minutes prior to the start of the event.

## PRIZES:

**1ST PLACE: ₹5,000 -INTERNSHIP**

**2ND PLACE: ₹2,500 -INTERNSHIP**

### Event Coordinators:

**Shanur Maurya**

(+91 9561434481)

**Anjali Yadav**

(+91 9075611465)

# PROMPT FUSION

## ENTRY FEES: 250

- **Description:**

Get ready to unleash your creativity at Prompt Fusion! A thrilling competition where teams will bring stories to life using AI-generated illustrations and animations. Over two intense rounds, participants will craft stunning visual narratives, pushing the boundaries of AI-driven storytelling. Whether you're an artist, animator, or AI enthusiast, this is your chance to showcase your skills and compete for exciting prizes!

- **Team Size:**

- Each team consists of 2 participants.

- **General Rules:**

- Participants must bring their own laptops.
  - Internet access will not be provided.
  - Only free Generative AI software is permitted; paid Generative AI tools are prohibited.
  - The decisions made by judges and coordinators are final.

- **Allowed Tools:**

- Participants may utilize the following reference tools:
    - [\[Pika Art\]](https://pika.art)(https://pika.art)
    - [\[Tinybots Artbot\]](https://tinybots.net/artbot)(https://tinybots.net/artbot)
    - [\[RunwayML\]](https://app.runwayml.com/)(https://app.runwayml.com/)
    - [\[Ideogram\]](https://ideogram.ai)(https://ideogram.ai)
    - [\[Suno AI\]](https://www.suno.ai)(https://www.suno.ai/)
    - Microsoft Copilot in Bing

- **Event Format:**

- **Round 1 (Offline):**

- Participants must create a minimum of 10 AI-generated images based on a given story outline.
    - The objective is to bring the story to life through animated illustrations.
    - Further details will be provided on-site.

# PROMPT FUSION

- Round 2 (Offline):
  - Participants must convert their illustrations from Round 1 into a video.
  - The video should incorporate animation techniques and voice narration to enhance the storytelling experience.
  - Participants may include music in their videos.
- Judging Criteria:
  - Round 1:
    - Illustration of key scenes depicting important moments in the narrative
    - Emotional resonance conveyed through the generated images
    - Consistency of characters across different frames
    - Consistency of scenes
    - Overall visual appeal
  - Round 2:
    - Illustration of key scenes (audio + video) depicting crucial moments
    - Emotional resonance conveyed in the generated clip
    - Relevance of voiceover and background music
    - Smooth transitions
    - Overall visual appeal
    - Completion and coherence of the video

## PRIZES:

1ST PLACE: ₹3,000

2ND PLACE: ₹1,500

Event Coordinators:

Mukesh Bhat

(+91 7218933705)

Tanishka Parulekar

(+91 9529089275)

# TECH HUSTLE

## ENTRY FEES: 200

- **Description**

Tech Hustle is a dynamic 2-day tech competition designed to challenge and inspire innovation.

From the thrilling Tech Relay Race and Tech Quiz on Day 1 to the intense Tech Challenges and 1 hr Coding Contest on Day 2, participants will test their skills in problem-solving, coding, and teamwork.

- **Event Rules:**

- Teams must consist of 2 members.
- Teams can be from the same or different colleges.
- Smartphones, laptops, electronic devices, and internet use are strictly prohibited.  
Disqualification will result from violations.
- Teams must adhere to all event guidelines and maintain fair play.
- Communication with non-team members is strictly forbidden.
- The event coordinators' and volunteers' decisions are final. No disputes will be entertained.
- A tie-breaker round will be conducted in case of a tie in the final round.
- This is a 2-day event; scores from each level will be added to the final score.
- 20% of teams will be eliminated after each level.
- A leaderboard based on cumulative scores will be maintained and shared via WhatsApp.
- Winners will be declared after Level 4.

- **Pre-requisites:**

- OS, Data Structures, Cryptography, Python, C++, Java, DBMS.

- **Day 1:**

- **Level 1: Tech Quiz**
- **Format:**
  - Round 1: 15 MCQ questions.
  - Round 2: 15 "Raising the Flag" questions.
  - Round 3: Rapid Fire (5 questions per team).
- **Level 2: Tech Relay**
- **Format:**
  -

# TECH HUSTLE

- Station 1: Algorithm Framing.
  - Station 2: Blind Coding the Algorithm.
  - Station 3: Debugging the Code.
- Day 1:
    - Station 1: Algorithm Framing
      - Task: Write an algorithm (pseudocode or plain English) to solve a given problem based on data structures.
      - Rules:
      - Algorithm must be clear and optimized.
      - Maximum time: 10 minutes per team.
    - Station 2 : Blind Coding the Algorithm
      - Task: Implement the algorithm from station 1 without viewing the screen.
      - Rules:
      - Keyboard input only.
      - Maximum time : 10 minutes per team.
    - Station 3: Debugging.
      - Task: Debug and correct the code from Station 2.
      - Rules:
      - Fix syntax and logical errors.
      - Maximum time: 7 minutes per team.
  - Day 2:
    - Level 3: Tech Challenges
      - Round 1: File decryption.
      - Round 2: Cryptography puzzle.
      - Round 3: DBMS queries.
      - Round 1: File Decryption
      - Unlimited attempts.
      - Round 2: Complex cryptography challenges.
      - Round 3: Advanced database queries.

# TECH HUSTLE

- **Level 4: Coding Contest (C++ Only)**
  - Platform: HackerRank
  - Overview:
    - Coding competition using C++.
    - Challenges test algorithmic thinking and C++ proficiency.
  - Competition Format:
    - Problems of varying difficulty.
    - Time-bound contest.
    - Scoring based on correctness and efficiency.
  - Evaluation Criteria:
    - Correctness: Solutions must pass all test cases.
    - Efficiency: Optimized solutions earn more points.
    - Time Taken: Faster submissions may receive bonus points in case of a tie.
  - Winning Criteria:
    - Top 2 teams on the leaderboard after Level 4.

## PRIZES:

**1ST PLACE: ₹12,000**

**2ND PLACE: ₹8,000**

### Event Coordinators:

Samuel Fernandes

(+91 7620629160)

Durgesh Shinde

(+91 84592 03439)

Gargi Verenkar

(+91 70309 79098)

Vancy Fernandes

(+91 93594 38631)

# LINE FOLLOWER

ENTRY FEES: 300

- **Description:**

The line follower is an event where participants have to design and build robots capable of autonomously following a line on a predefined track. The map will have intersections, 90 degree turns to the task. Robot must complete the course as quickly and accurately as possible without losing the line or going off track

- **1. General Rules:**

- Robots must follow a black line on a plain white background.
- The track dimensions will be 15m x 10m, with a black line width of 3cm.

- **2. Robot Specifications:**

- The robot can use any microcontroller including an ESP32 microcontroller.
- The use of Wi-Fi and Bluetooth is strictly prohibited. If any robot is detected using these, the team will be immediately disqualified.
- The robot must fit within a maximum size of 25cm x 25cm x 25cm.
- The robot must be powered by a battery. External power sources are not allowed.
- Any method of line detection can be used(IR sensors, camera, etc.), as long as it does not violate other rules.
- The track will consist of straight paths, curves and 90-degree intersections.

- **3. No of Rounds**

- Round 1: Dry Race
- Round 2: Shortest Distance Race(Use of PID or any other algorithm)

- **4. Race Format:**

- Each team will have three attempts, and the fastest attempt will be considered.
- If a robot completely leaves the track, it must restart from the last checkpoint.
- The timer starts when the robot crosses the starting line and stops when it reaches the finish line.
- If a robot fails to complete the track within 5 minutes, it will be considered a DNF(Did Not Finish) no point will be added.

## LINE FOLLOWER

- **3. Disqualification Criteria:**
  - Using Bluetooth or any other mode for communication.
  - manually interfering with the robot during the run(before the run you can modify but not after competition starts).
- Number of Participants:- 4 per group
- Number of teams per college:- Unlimited

### PRIZES:

1ST PLACE: ₹6,000

2ND PLACE: ₹4,000

### Event Coordinators:

Mohit Kumar

(+91 93735 98639)

Swara Dalvi

(+91 90112 55769)

# PROYECTO

## ENTRY FEES: 400

- **Description:**

The Project Display Event serves as an engineering showcase where participants present innovative projects through models or prototypes. This event emphasizes creativity, technical skills, and real-world applications. Teams will have the opportunity to explain their projects to judges and visitors, with evaluations based on innovation, complexity, and impact. The event fosters learning, networking, and recognition.

- Team Size: Participants may enter individually or in groups of 3-5 members.

- **General Rules:**

- Teams may consist of participants from the same or different colleges.
- Projects can be developed individually or collaboratively.
- All participants must register before the specified deadline.
- Projects must be original and developed by the participants.
- The project should relate to an engineering discipline (e.g., electronics, mechanical, software, etc.).
- Participants are required to prepare a prototype, model, or demonstration for display.
- Each team will be allocated a table for their exhibit.
- Teams may utilize posters, banners, or presentations to elucidate their project.
- Requests for power supply, internet access, or other resources must be made in advance.
- Each participant must explain their project within a 5-minute timeframe.
- A question-and-answer session with judges and the audience will follow the presentations.

- **Judging Criteria:**

- Projects will be assessed based on the following criteria:
- Innovation & Creativity: Uniqueness of the idea.

# PROYECTO

- Technical Complexity: Application of engineering principles and level of difficulty.
- Practical Application: Real-world usefulness of the project.
- Presentation & Clarity: Effectiveness of communication and explanation.
- Prototype/Model Quality: Functionality and design.

## PRIZES:

1ST PLACE: ₹8,000

2ND PLACE: ₹4,000

### Event Coordinators:

Hareena Hari

(+91 90214 72418)

Soniya Vitkar

(+91 89831 20964)

# CHAKRAVYUH 3.0

**ENTRY FEES: 500**

Get ready for the hunt!!

- **Description:**
  - Narada Muni: Unlocking circuit mysteries
  - Vishwakarma: Decipher the design
  - Gandhari: Trust your logic with C/C++
  - ... / ... / ... / ... / ... / ...
- **Number of Participants:**
  - Maximum 4 contestants per team.
- **Event Rules:**
  - Four contestants per team.
  - No usage of mobiles is allowed during the event.
  - The specific rules for each task will be explained at the time of the event.
  - In case of any disputes or discrepancies, the organizer's decision will be final and binding.
- Tip: It is recommended to have a team with members from different branches.

**PRIZE: 10,000**

Event Coordinators:

Janhavee Walvekar  
(+91 99217 92648)

Pratham Bandodkar  
(+91 82638 17198)

# ESPORTS - BGMI

ENTRY FEES: ₹400

- Description:

Get ready to drop into the ultimate battleground, where legends are forged and glory awaits!

BGMI Esports is back with heart-pounding action, insane skills, and jaw-dropping plays.

The stage is set, the squads are locked—only the fiercest will rise to the top.

Brace yourself for epic showdowns and unforgettable moments that'll keep you on the edge.

This isn't just a game—it's the fight for supremacy!

**General Rules:**

- Teams allowed per college: Unlimited
- Entry Fees: ₹400 per team
- Prohibited Items: VPN, emulators, iPad/tablets, controllers, GFX tools, and triggers are prohibited.
- Team Size: Each team should consist of a minimum of 4 players.
- Substitutes: Only 1 substitute is allowed per team.
- Player Accessories: Players should bring their own accessories.
- Mixed College Teams: Students from different colleges can form a team.
- Organizer Decisions: Organizers reserve the right to make any decision regarding a game or player.

**Game Rules (BGMI):**

- Map Requirement: Players must have all the maps available in BGMI.
- Match Mode: Matches will be played in Battle Royale mode.
- Tiebreaker: In case of a tie, both teams must play a Team Deathmatch (TDM) to determine the final winner.
- Internet Connectivity: No Wi-Fi will be provided; players must use their own mobile data.

## ESPORTS - BGMI

- **Disconnections:** If any player disconnects during a match, the game will continue. Coordinators are not responsible for a player's failure to reconnect.
- **Further Rules:** Point system, qualifier round groups, and other game rules will be shared a day prior to the event on a WhatsApp group.
- **No Team-Ups:** Team-ups between opposing teams are not allowed; any teams found doing so will be disqualified.
- **Conduct:** Verbal abuse or hate speech towards any player during the tournament is prohibited.

### PRIZES:

**1ST PLACE: ₹8,000**

**2ND PLACE: ₹4,000**

### Event Coordinators:

Ashwin Sutar

(+91 84598 68134)

Vidhan Kesarkar

(+91 93707 15209)

# ESPORTS - CS GO

## ENTRY FEES: 500

- **Description:**

Get ready to drop into the ultimate battleground, where legends are forged and glory awaits! BGMI Esports is back with heart-pounding action, insane skills, and jaw-dropping plays. The stage is set, the squads are locked—only the fiercest will rise to the top. Brace yourself for epic showdowns and unforgettable moments that'll keep you on the edge. This isn't just a game—it's the fight for supremacy!

**General Rules:**

- Number of Participants per Team: 5 players + 1 substitute.
- Number of Teams per College: Unlimited.
- Entry Fee: ₹400 per team.
  - Team Composition: Teams can consist of participants from mixed colleges, but all colleges must be located in Goa.
  - No individual is allowed to play for more than one team.
  - Player Equipment: Players are expected to bring their own wired headphones, gaming mouse, and gaming keyboard if needed.
  - Registration & Setup: All participants should appear 15 minutes prior to the registration desk.
  - 10 minutes will be allotted for setup.
  - Game Recording: All games will be recorded, and final scorecard screenshots will be taken.
  - Behavior: Any kind of toxicity or abusive language against opponents in-game will not be tolerated.

# ESPORTS - CS GO

## Game Rules (CS:GO):

- Game Mode: Counter-Strike: Global Offensive (CS:GO).
- Match Format: All matches will be played in the standard competitive format.
  - Map Selection: The map to be played will be decided by the Veto System.
  - Map Pool: Nuke, Overpass, Dust2, Inferno, Mirage.

## PRIZES:

1ST PLACE: ₹8,000

2ND PLACE: ₹4,000

## Event Coordinators:

Gauraksh Naik

(+91 96575 13508)

Yash Naik

(+91 89991 60245)

# DESIGN SPECTRUM

## ENTRY FEES: 200

- **Description:**

Unleash your creativity and showcase your design prowess at DesignSpectrum!

Dive into an exciting Figma design competition where your skills meet innovation. Whether it's crafting sleek mobile interfaces or stunning web designs, this 3-hour challenge will spark your imagination and push you to create something extraordinary. Get ready for a thrilling experience that's truly out of this world!

- **Participation:**

- Participants can join individually or in teams of 2-3 members.
- Each participant/team is allowed a single submission.

- **Duration:**

- The competition will run for 3 hours.

- **Requirements:**

- Participants must bring their own laptop

- **General Rules:**

- Topics will be revealed at the start of the event through a chit-picking process.
- Each chit will contain a unique topic along with an exciting twist to challenge your creativity.
- While you may refer to the internet for inspiration, the final design must be entirely your own.
- All designs must be created using Figma during the event.
- Pre-prepared templates or designs are not allowed and will lead to immediate disqualification.
- AI-generated designs are strictly prohibited. Creativity and originality are key!
- Plagiarism of any kind will result in disqualification.
- No changes can be made after the final submission.
- Participants must present their designs to the judges during the evaluation.

# DESIGN SPECTRUM

- Judging Criteria:

- Creativity and originality.
- Adherence to the assigned topic.
- Functionality and user experience of the design.
- Overall presentation and completeness

- Event Schedule:

- Reporting Time: 9:30 AM
- Event Time: 10:00 AM - 1:00 PM

## PRIZES:

1ST PLACE: ₹5,000

2ND PLACE: ₹3,000

### Event Coordinators:

Samiksha Rasaikar

(+91 93071 63018)

Vinayak Lotulkar

(+91 74480 18134)

# AITRAINX

**ENTRY FEES: 400**

• **Overview:**

A hackathon-style event where college students train models from scratch to solve a real-world problem. The event fosters innovation, technical skills, and teamwork, allowing participants to apply their machine learning and problem-solving skills in a competitive environment.

• **General Rules:**

- AITRAINX is a college-level AI competition where participants train a model to solve a given problem statement.
- A team can have a minimum of 2 and a maximum of 3 members. A participant cannot be part of multiple teams.
- Any form of plagiarism or unfair collaboration will lead to immediate disqualification.
- Use of AI tools is strictly prohibited.
- Team members are required to bring their own laptops. No Internet will be provided to the participants, in which case participants are requested to arrange for their own internet.
- All submissions must be made before the deadline. The decision of judges will be final. No disputes shall be entertained.
- Participants can use any framework: TensorFlow, PyTorch, etc.
- The problem statement will be provided to the participants on the day of the event. Further details will be communicated prior to the event.
- The event will be held on April 9th and 10th from 9:00 AM to 5:00 PM.

• **Team Size:**

- 2-3 members per team.

## PRIZES:

**1ST PLACE: ₹6,000**

**2ND PLACE: ₹4,000**

Event Coordinators:

Muriel Jesal Fernandes

(+91 97653 82328)

Samuel Rodrigues

(+91 98814 72927)

# SHORTS SHOWDOWN

ENTRY FEES: 150

- Overview:

Calling all creators! Unleash your creativity in the Shorts Showdown, a reel-making competition where innovation meets storytelling. Your challenge? Craft a captivating reel to showcase Tech Twister, the ultimate tech extravaganza! Dive into the exciting topics from the Tech-Twister brochure and bring the cutting-edge world of technology to life.

- Guidelines:

- Duration: 30–60 seconds
- Format: Vertical (9:16) – Instagram/TikTok Style
- Location: Must be shot within the RIT College Campus
- Participants: Team (max 3-4 members)
- No. of teams per college: Unlimited
- Topics: Related to the events

- Rules

- The reel must be shot within the RIT campus – showcase campus landmarks to highlight the event's connection to the college.
- Content should be original and free from copyright issues.
- Ensure high-quality video and audio – use natural light and clear sound where possible.
- Avoid offensive language or inappropriate content.
- Include the event name "Tech Twister" and the event logo within the reel.
- The reel should be related to at least one of the provided topics. No plagiarism – any copied content will result in disqualification.
- Use of AI-generated content is allowed only if disclosed and used creatively (not as the main focus).
- No excessive filters – keep the video clean and professional.
- Participants can submit only one reel – multiple entries from the same participant/team will lead to disqualification.

# SHORTS SHOWDOWN

- Judging Criteria:

- Creativity
- Relevance to the topic
- Unique concepts
- Editing skills

- Judges decision is final.

## PRIZES:

1ST PLACE: ₹2,000

2ND PLACE: ₹1,000

### Event Coordinators:

Sakshi Patil

(+91 93098 19711)

Sumith Naik

(+91 70381 82105)

# CLICK CRAZE

ENTRY FEES: ₹50

- Overview:

Step into the world of creativity and storytelling at Lens & Light, a photography event where moments come to life through the eyes of passionate photographers. Whether you're a seasoned professional or just starting your journey, this event is your chance to showcase your talent.

- Participants: Unlimited

- Topic: To be announced on the event day.

- Rules:

- One photograph submission per participant.
- Photo must adhere to the assigned topic.
- Mobile phone should be used for capturing photos.
- Photo editing is strictly prohibited.
- File name must be the participant's name.
- Submit photos to [clickcraze2025@gmail.com](mailto:clickcraze2025@gmail.com).
- Submission deadline: 3:30 PM, April 9, 2025.
- Late submissions will not be accepted.
- Rule violations will result in disqualification.
- Judges' decision is final.

- Event Schedule:

- Report time: 10:30 AM, April 9, 2025.

- Event time: 11:00 AM - 3:00 PM, April 9 2025.

- Result Declaration : April 10 2025 (2PM)

PRIZES: ₹1,500

Event Coordinators:

Rikita Shikaripur

(+91 80100 65175)

Navjyot Naik

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