



PURANCHANDRA VIDYANIKETAN

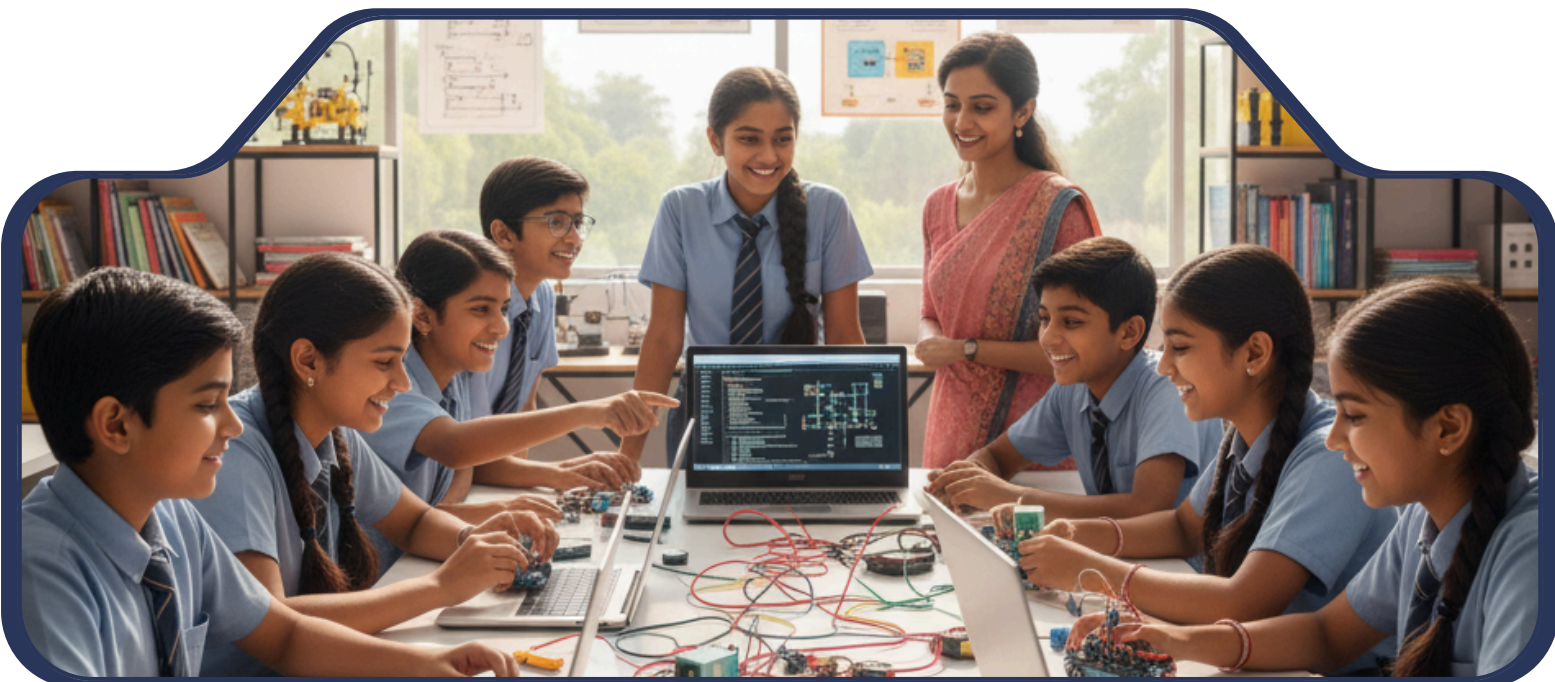
PRESENTS

COMPUTER CARNIVAL

POWERED BY

TECHKRITI'26
I I T K A N P U R

22ND NOVEMBER 2025



<https://fizrobotics.com/c2/>

Table of Contents

Invitation	01
Guidelines	02
Schedule at a Glance	03
Computer Based Event	05
Robotics Event Robofest	11
Robotics Event Aerofest	16
N.E.F Kanpur Chapter	19
For Queries & Contact	21
Registration Process	22
C² 2024 at a Glance	23



Invitation

We feel immensely delighted to invite your esteemed institution to be a part of the **19th Computer Carnival**, organized under the aegis of PCVN by the **PITS — PCVN Information Technology Society** in collaboration with **FIZ Robotic Solutions** and **Techkriti, IIT Kanpur**.

The event is scheduled for **Saturday, 22nd November 2025**, and promises an inspiring experience for students eager to showcase and expand their technological acumen.

At 19th, the Computer Carnival has grown to be a prestigious platform, encouraging students to design thinking explore diverse aspects of technology through **innovation, problem-solving, and teamwork**.

Please find enclosed a detailed brochure outlining the event **schedule, competition guidelines, and a registration form**.

We humbly request your students' registration should be completed by **15th November 2025** to ensure seamless planning and participation.

We are confident that your students will find each segment of the carnival challenging and rewarding, enriching their technological skills while encouraging constructive interaction with friendly rivals.

We look forward to the participation of your school's bright minds, to make this carnival an enriching experience for all. Should you require further assistance or have any queries, please do not hesitate to reach out to us at: **Mobile No. 9336251298**

Thank you for your continued support and encouragement in promoting technological excellence over these **18 years**.

We hope to welcome your school to the Computer Carnival for a memorable celebration of the confluence of technology and innovation.

Warm regards
Rakesh Upadhyay
Principal

Guidelines

- The team from each school should comprise a maximum of 14 students and 1 teacher escort.
- The teams have to report at 08:00 AM on November 22nd, 2025.
- Participants must adhere to all rules and regulations as prescribed by the host school.
- Participation in either Robofest or Aerofest is mandatory; however, participants may choose to take part in both events.
- Only students from classes 9th to 12th are eligible to participate in this event.
- The decision by the judges will be final and irrevocable.
- The participants will not be allowed to leave the venue once the event begins.
- The team found using unfair means will be disqualified.
- The final results will be declared at the end of the Carnival.
- The participants should take care of their belongings themselves. The host school will not be responsible for any loss or misplaced items.
- The events will be organised according to the specified schedule. Any changes in schedule will be informed prior to the event.
- Students are not allowed to use mobile phones (unless needed for any particular event). Using mobile phones will lead to straight disqualification of the team.
- Please scan the QR to visit C2 official website for updates.



Scan to Visit!

Schedule at a Glance

TIME	8:00-9:00	9:30-12:45	13:00-14:00	14:30 ONWARDS
	INAUGURAL CEREMONY	EVENTS (AT RESPECTIVE VENUES)	LUNCH	VALEDICTORY CEREMONY & PRIZE DISTRIBUTION

ROBOTICS EVENTS

VENUE	EVENT	TIME	
ROBOFEST		START	END
BASKET BALL COURT	NITRO BOT	9:30 AM	12:30 PM
BASKET BALL COURT	ROBOSOCGER	9:30 AM	11:00 AM
BASKET BALL COURT	WRESTLE MANIA	11:00 AM	12:30 PM
BASKET BALL COURT	MANOEUVRE	9:30 AM	11:30 AM
AEROFEST		START	END
GROUND	ROCKET MASTERS	11:00 AM	12:30 PM
GROUND	GLIDE X	9:30 AM	11:00 AM
N.E.F 2.0 (KANPUR CHAPTER)		START	END
DLRC 1 & 2	NATIONAL ENTREPRENEURSHIP FEST 2.0 (KANPUR CHAPTER)	9:30 AM	12:30 PM

Schedule at a Glance

VENUE	EVENT	TIME	
		START	END
COMPUTER BASED EVENT			
LAB 1	WEBSCRAPERS	9:30 AM	10:30 AM
LAB 1	PIXEL PERFECT	12:00 PM	13:00 PM
LAB 2	REVELATION	9:30 AM	10:30 AM
LAB 2	SOUND SCULPT	12:00 PM	13:00 PM
LAB 3	EXTREME PURSUIT	9:30 AM	11.45 AM
JR LAB	RENDER RIOT	9:30 AM	10:30 AM
JR LAB	HARDCODER	10.45 AM	11.45 AM
JR LAB	FRAME CRAFTER (EDIT)	12:00 PM	13:00 PM
DLRC ROOM 6	TECH TRIVIA	9:30 AM	11.45 AM
C -BLOCK & GROUND	FRAMECRAFTER (SHOOT) CAPTURE CARNIVAL (SHOOT)	9:30 AM	11.45 AM
DLRC ROOM 7	CAPTURE CARNIVAL AND FRAMECRAFTERS (INSTRUCTIONS)	9:30 AM	10:30 AM

COMPUTER BASED
EVENTS 2025



Computer Based Event

2
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2
5

01

WEBSCRAPERS

[Event Duration - 1 Hour]

Participants: 1

Event Description:

- Participants will be creating a website on given topic.
- Participants will have 50 mins to create the website on given theme.
- Stock images and other relevant website data will be provided before the start of event.

Softwares Provided:

- VS Code
- Notepad++
- Photoshop

HARDCODER

[Event Duration - 1 Hour]

Participants: 1

Event Description:

- Hardcoder is a coding event in which the participants will be judged on their programming and logical thinking skills.
- The final score will be judged on the accuracy and complexity of the code.

Softwares Provided:

- Python Idle

02

03

CAPTURE CARNIVAL

[Event Duration - 2+1 Hours]

Participants: 1

Event Description:

- Each participant must submit exactly five original photographs taken during the carnival. Submissions exceeding five photographs will result in deduction of marks.
- Participants are required to bring their own camera or mobile device.
- At conclusion of the event, participants will be required to upload their photographs to the designated GOOGLE DRIVE folder. Participants must therefore ensure they have the necessary means to transfer and upload their files accordingly.

Note:

- The use of filters or any form of digital enhancement is strictly prohibited.

PIXEL PERFECT

[Event Duration - 1 Hour]

Participants: 1

Event Description:

- Participants are required to edit the photographs according to the given topic using the provided software.
- Participants will be provided with stock images.
- Use of predesigned content is not allowed.
- Judgement will be based on uniqueness and creativity, attention to details, visual appeal, cohesiveness and clarity.

Softwares Provided:

- Photoshop CS6

04

05

SOUND SCULPT

[Event Duration - 1 Hour]

Participants: 1

Event Description:

- Participants are expected to create a musical composition by using provided audio files in an abstract style.
- Please remember to bring your own wired headphones.

Softwares Provided:

- FL Studio
- Audacity

FRAMECRAFTERS

[Event Duration - 2+1 Hours]

Participants: 2

Event Description:

- Teams must produce a video of at least 2 minutes, on a topic assigned at the event.
- Each team should bring its own DSLR camera or mobile phone for recording, as well as wired headphones for audio monitoring.
- Necessary accessories such as memory card readers or pendrives must be provided by participants for transferring files.

Softwares Provided:

- Wondershare Filmora
- FL Studio
- Audacity

06

07

EXTREME PURSUIT

[Event Duration - 2 Hours]

Participants: 1

Event Description:

- This is a gaming event.
- Games will be revealed during the event.
- **There will be three stages:**
 - **Round 1** : Spectra Clash
 - **Round 2** : Prime Conflict
 - **Round 3** : Project Blackout
- Participants should bring their own wired keyboard, mouse and headset.
- Each round will be elimination round with only a set of students qualifying for the successive rounds.

RENDER RIOT

[Event Duration - 1 Hour]

Participants: 1

Event Description:

- This is a 3D animation competition.
- Participants must create an animation based on a given theme.
- Judgement criteria include creativity, time management, use of tools, and overall visual quality.

Softwares Provided:

- Blender 4.5

08

09

REVELATION

[Event Duration - 1 Hour]

Participants: 1

Event Description:

- This is a surprise event.
- Participants will be given a task on the spot that must be completed within the given time.
- They will be judged on presence of mind, accuracy, and speed.
- Any use of external assistance or unfair means will lead to disqualification.

TECH TRIVIA

[Event Duration - 2 Hours]

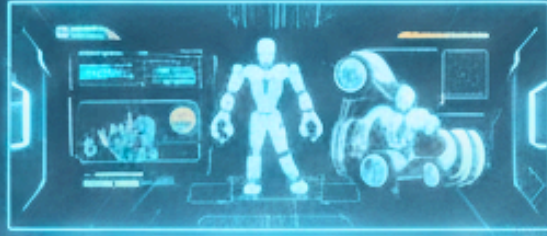
Participants: 2

Event Description:

- **The Quiz will be Conducted in 3 rounds:**
 - **Round 1:** Cache Me if You Can (Trivia Round)
 - **Round 2:** The Debugging Den
 - **Round 3 (Finale):** The Firewall Face-off (Rapid Fire face-off; Buzzer round)
- The Top Eight teams from Round 1 will advance to Round 2 and the top Four teams from Round 2 will face-off in the final round.
- The quiz will encompass Questions across a wide Spectrum of Computer Science and Technology, Artificial Intelligence and other allied fields, designed to test the participants' knowledge, reasoning, and presence of mind.

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ROBOFEST 2025



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Robotics Event Robofest

1

NITRO BOTS

[Event Duration - 3 Hours]

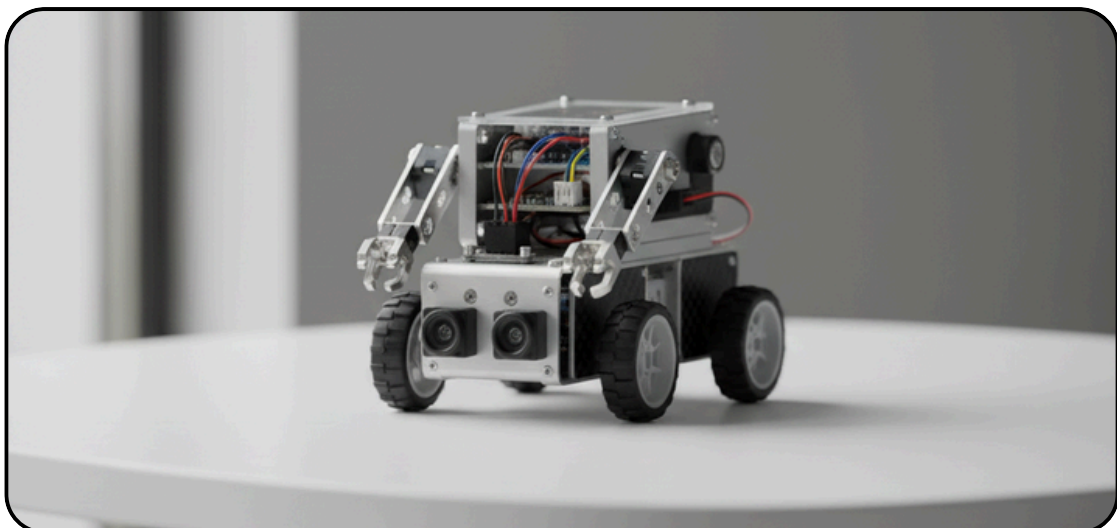
Maximum Participant from each team: 2

Event Description:

- Participants must design a bot to complete a track with obstacles in the shortest time.
- The race will have checkpoints where bots must perform specific tasks.
- Bots must be controlled via wired remote or wireless systems.
- Human assistance during the race is prohibited.
- The results will be decided on the basis of time taken and tasks performed.

General Rules:

- **Maximum bot dimensions:** 30x30x30 cm
- **Maximum bot weight:** 4 kg
- Operating voltage must not exceed 24V DC.
- No AC/DC power supply will be provided.
- 2 minutes of repair time will be given in case of any technical failure.



2

ROBO SOCCER

[Event Duration - 1.5 Hours]

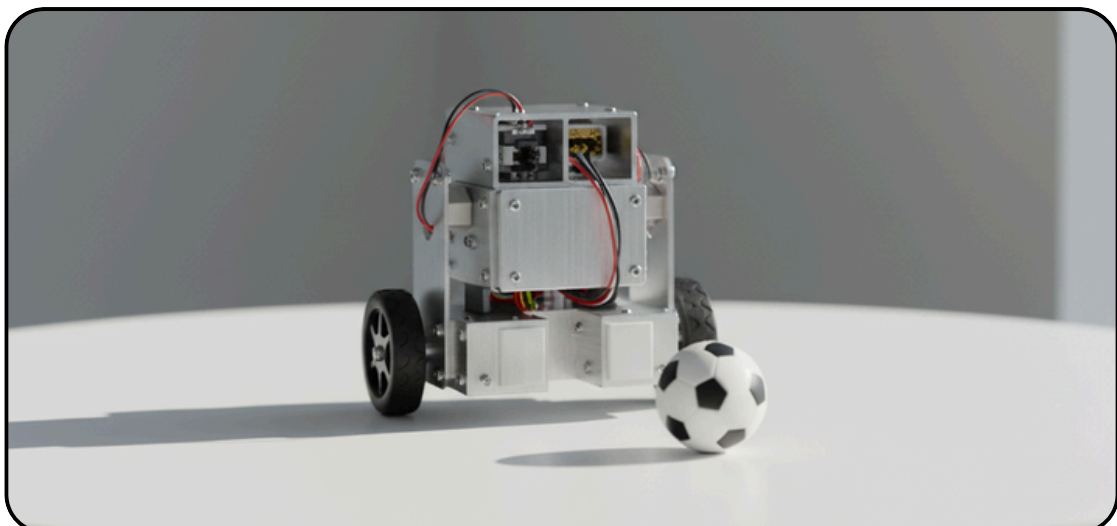
Maximum Participant from each team: 2

Event Description:

- Teams compete in a soccer match using their bots to score goals.
- Matches are divided into two 3-minute halves.
- Bots must be controlled via wired remote or wireless systems.
- Bots must be equipped with non-destructive mechanisms.
- Each team can field only 1 bot during the match.
- Goals scored by human interference will be invalidated.

General Rules:

- **Maximum bot dimensions:** 30x30x30 cm
- **Maximum bot weight:** 4 kg
- Operating voltage must not exceed 24V DC.
- No AC/DC power supply will be provided.
- 2 minutes of repair time will be given in case of any technical failure.



3

WRESTLE MANIA

[Event Duration - 1.5 Hours]

Maximum Participant from each team: 2

Event Description:

- Two bots face off in an arena to push or immobilize the opponent.
- The match is time-limited (3 minutes per round).
- Points awarded for knockdowns, immobilizations, and controlled movement.
- Bots must be controlled via wired remote or wireless systems.
- No destructive weapons (e.g., flamethrowers, saws) & no flammable liquids of any kind are allowed.
- Any human interference will lead to disqualification.

General Rules:

- **Maximum bot dimensions:** 30x30x30 cm
- **Maximum bot weight:** 3 kg(incl. battery)
- Operating voltage must not exceed 24V DC.
- No AC/DC power supply will be provided.
- 2 minutes of repair time will be given in case of any technical failure.



4

MANOEUVRE

(TECHKRITI, IIT KANPUR ZONAL EVENT)

[Event Duration - 2 Hours]

Grade: IX - XII

Format:

- The bot must be manually controlled and capable of gripping various blocks or shapes. It should be able to insert them into corresponding grooves carved into a cubic block. The gripping mechanism should be precise and able to handle various shapes securely. The bot should be completely hand-made, no ready made/lego chassis will be allowed.
- The bot can be either wired or wireless. Wireless control options include a dual-frequency remote, Bluetooth, or Wi-Fi.
- The bot should be able to precisely align and place the blocks into their respective grooves, requiring accurate control of its movements and gripping mechanism.
- For wireless bots, ensure the control mechanism provides a stable connection and sufficient range to operate effectively within the task area without any interference or lag.

Rules:

- **Team Size:** 1-3 students
- **Maximum bot dimensions:** 50x50x50 cm
- **Maximum bot weight:** 2 kg
- **Operating voltage:** Maximum 24V DC





Robotics Event Aerofest

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ROCKET MASTERS

[Event Duration - 1.5 Hours]

Maximum Participant from each team: 2

Event Description:

- Participants must design a single stage water rocket to achieve maximum distance and accuracy.
- Each team gets two launch attempts.
- Team of only 1-2 students are allowed to participate.

General Rules:

- Rockets must not exceed 2L in capacity.
- Only water and compressed air can be used as propellants.
- Safety measures (e.g., proper assembly and handling) must be followed.
- Launcher has to be fabricated by the teams individually, sharing of launcher is prohibited. Teams making their own hand made launchers will be rewarded with bonus points.
- Manual and electronic pumps are permitted in the event; however, teams must bring their own. The organizer will not provide launchers or pumps to any team.



2

GLIDE-X

[Event Duration - 1.5 Hours]

Maximum Participant from each team: 2

Event Description:

- Glider-X is a challenge to design, build, and launch a glider with a maximum wingspan of 1 meter, aiming for maximum distance in the shortest possible time during a free-flight event.
- Gliders must be non-powered and use either manual or catapult-based launch methods.
- Teams will compete on flight distance, duration, and stability of the flight.
- Each team can have up to 2 participants.

General Rules:

- **Maximum wing span:** 1 meter
- **Maximum glider weight:** 500 gsm
- Manually adjustable control surfaces are allowed.
- Usage of remote or radio control equipment is strictly prohibited.
- Maximum two attempts per team will be provided.
- If a team's glider crashes or breaks during the event, that team will be disqualified.



School Level Business Idea Presentation Competition



National Entrepreneurship Fest 2.0

(Kanpur Chapter)

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NATIONAL ENTREPRENEURSHIP FEST (KANPUR CHAPTER)

[Event Duration - 3 Hours]

Maximum Participants in Each Team: 1-2

Event Description:

- Each team must design a single ppt about a unique business idea.
- The ppt should not have more than 15 slides.
- Teams will get 5 mins to present their business ideas.
- Event is divided into two groups: Group 1: Grades 6-8 | Group 2: Grades 9-12
- Students can form teams only from the same grade and school.
- Development of prototype of the ideas is not mandatory.

General Rules:

- Originality: Submissions must be original; plagiarism causes disqualification.
- Code of Conduct: Professional and respectful behavior is mandatory; misconduct leads to disqualification.
- Judges' Decision: Jury decisions are final and binding.
- Confidentiality: Do not disclose sensitive business ideas; organizers are not responsible for leaks.
- Disqualification Criteria: Violations, unethical acts, or cheating result in immediate disqualification.



For Queries & Contact

PURANCHANDRA VIDYANIKETAN



PITS

(PCVN Information Technology Society)

A Tech Initiative of PCVN

Computer Base Event

Teacher In charge
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Vice President
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PARC

(Purananchandra Aeromodelling & Robotics Club)

Robotics Event

Teacher In charge
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President
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Vice President
Shaurya Mishra
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Registration Process

All students are required to complete their **registration** for **Computer Carnival 2025** on or before **15th November 2025**

Google Form Registration

<https://forms.gle/oeNXioAuFP2VxuFN7>



(Scan the QR code below to access the form)

Event Date

22nd November 2025

Event Venue

Hemat Vihar, Barra 2, Barra World Bank, Barra, Kanpur, U.P. - 208027

C² 2024 at a Glance

