VOLTZFEST 2K25

Departmental Technical Annual Event

Date – 10th – 11th Feb 2025

Venue – VPKBIET, Baramati.

Department of Electrical Engineering

Vidya Pratishthan's

Kamalnayan Bajaj Institute of Engineering and Technology, Baramati

VOLTZFEST 2K25

Welcome to VOLTZFEST 2K25- A Journey of Innovation, Excellence, Fun & Joy

The Department of Electrical Engineering (ELESA) at VPKBIET, Baramati, proudly presents *Voltzfest 2K25,* an event packed with exciting challenges, tech and cultural showcases. Organized by the department at VPKBIET, Baramati, this two-day techno-cultural event on the **10th – 13th Feb 2025 (Tentative)** offers students the chance to showcase their talents, face new challenges, and collaborate with peers.

With a mix of technical competitions and cultural performances—ranging from robot races and CAD design to debates and vibrant showcases—VOLTZFEST 2K25 promises something for everyone. Join us in this celebration of skill, knowledge, and creativity!

Event List –

1. TechRumble
2. Mind Marathon
3. Race X Challenge
4. Auction Arena
5. AI-Art Gallery
6. Games
7. Circuit Building
8. ReelFest
9. Sketch Showdown - CAD
10. Cultural Event

School Level:
1. Quiz Competition
2. Poster Presentation (Sustainability Development Goals)

EVENT DESCRIPTIONS

1. TechRumble –

Event Description:

TechRumble is a dynamic, high-energy technology competition designed to bring together the brightest minds in the fields of engineering and innovation. This event challenges participants from various technical disciplines such as Electrical, Electronics, Mechanical, Computer Science, AI, Civil, and more to collaborate, compete, and push the boundaries of creativity and problem-solving.

Rules and Regulations:

- **Eligibility:** Open to all students from different branches and years.
- **Team Size:** Groups can have up to 2 to 5 participants.
- **Registration:** All participants must register and pay the entry fee, before **8th Feb 2025**
- The idea presented along with the prototype model/app will be given preference.
- All work on a project must be done during the event.
- Teams can use libraries, frameworks, or open-source code in their projects.
- Teams must stop hacking once the time is up.
- Participants are expected to treat each other with respect and professionalism.
- Teams can be disqualified for breaking the competition rules or other unsporting behaviour.

Entry Fee: ₹ 50/- per team

Prizes:

- 1st Prize: - ₹ **2100**+ Trophy + Certificate
- 2nd Prize: - ₹ **1000**+ Certificate
- 3rd Prize: - ₹ **700** + Certificate

2. Mind Marathon –

Event Description:

The Mind Marathon Olympiad is a thrilling test of knowledge, where participants compete in a team to answer a question covering a wide range of topics, including science, technology, history, current affairs, and general knowledge. The mind marathon will proceed through multiple rounds
with increasing difficulty, including rapid-fire rounds and buzzer rounds, to challenge participants' speed and accuracy.y.

Rules and Regulations:

- Eligibility: Open to all students from different branches and years.

- Open to individual's participants only.

- Registration: All participants must register and pay the entry fee, before **8th Feb 2025 11:00 PM.**

- The competition is conducted in offline mode.

- Participants must adhere to rules for a fair and competitive environment.

- Event Format: Three rounds.

- Maintain integrity and sportsmanship.

- Cheating, plagiarism, or misconduct leads to disqualification.

Round 1-

Online Mind marathon competition (total 20 Que)

Section: Basic electrical engineering related questions.

The top 10 students with the highest scores qualify for the second round.

Round 2- (Buzzer round):

Participants identify images and answer questions.

Scoring based on correct answers within the time limit.

Round 3- (Rapid fire):

Participants listen to the question carefully and answer the question.

Scoring based on correct answers within the time limit.

Total 10 questions ask in this round.

Section: Aptitude, current Affairs (India), sports.

Entry Fee: ₹ 50/- per team

Prizes:

1st Prize: - **₹ 1000** + Trophy +Certificate

2nd Prize: - **₹700**+ Certificate

3rd Prize: - **₹ 500** + Certificate

3. Race X Challenge –

Event Description:

The Race X Challenge is an action-packed event where participants race with the robots to navigate a complex obstacle course in the shortest time possible. One will need to optimize the robots, agility, and ability to overcome obstacles. This event will test the technical skill, and machine handling ability of the participants, providing participants with a platform to demonstrate their mastery of robotics and automation.

Rules and Regulations:

- **Eligibility:** Open to all students from different branches and years.
- Open to individual participants only.
- **Registration:** All participants must register and pay the entry fee, before **8th Feb 2025 11:00 PM**.
- Robots will be provided by management team.
- Each participant has one chance to drive the robot.
- Participant has to complete the designated track in the shortest time.
- On the spot entries will be allowed.
- Only 3 Fouls are allowed per participant. Participants will be disqualified if the robot falls off the track, stops moving, or engages in misconduct (after 3 fouls).
- Race times will be recorded, and winners will be determined based on the shortest completion times.
- Participants must maintain fair play and sportsmanship.
- Disrupting other participants may result in disqualification.

Entry Fee: ₹ 50/- per head

Prizes:

1st Prize: - ₹ **500** + Trophy + Certificate

2nd Prize: - ₹ **250** + Certificate

3rd Prize: - Certificate

4. Auction Arena

Event Description:

An Auction Arena College Event is a thrilling and interactive event where college students can engage in a simulated auction arena, where they take on the role of team owners, managers, and strategists. It's a fun and educational way to learn about sports management, negotiation strategies, and the importance of team building. This event is ideal for cricket fans, business students, and anyone interested in sports economics and management.

This is a great way for you to explore:

Strategic thinking: How to balance the strengths of players and team dynamics.

Negotiation skills: How to bid smartly, knowing when to hold back and when to invest big.

Team building: How to create a well-rounded team that works together, both on and off the field.

Rules and Regulations:

- **Eligibility:** Open to all students from different branches and years.

- **Team Size:** Groups can have maximum 6 students.

- Each participant can be part of only one team.

- College ID card is compulsory while participating.

Budget – 80cr.

Marque Players	16pt
Batsman (1)	15pt
Bowler (1)	15pt
All-rounder(1)	16pt
Wicket Keeper (1)	15pt
Batsman (2)	13.5pt
Bowler (2)	13.5pt
All-rounder(2)	13.5pt
Wicket Keeper(2)	13.5pt
Batsman (3)	11pt
Bowler (3)	11pt
All-rounder (3)	11pt

A maximum of 4 overseas players allowed

At least 4 batsman mandatory

At least 4 bowlers mandatory

At least 2 all-rounder mandatory

At Least 1 Wicket Keeper mandatory

After completing all criteria which team earn most point they will win

Also Remaining Budget

General Instructions-

- Dress appropriately for the event.
- Arrive at least 30 minutes before the scheduled start.
- Maintain professionalism and cleanliness throughout the event.
- **Note:** The decision of the judges will be final and binding

Entry Fee: ₹ 300/- per team

Prizes:

1st Prize: - ₹ **2100** + Trophy +Certificate

2nd Prize: - ₹ **1000** + Certificate

3rd Prize: - ₹ **700** + Certificate

5. AI Art Gallery Challenge -

Event Description:

The AI Art Gallery Challenge is a Mind visualization Challenge in which participants have drawn a physical drawing from home for Round-1. Selected participants will be able to play the next round for image generation on the basis of their drawings. For-2 selected participants will use a telegram bot for image generation. Participants must give prompts in such a way that the generated image and real drawing should match with each other.

Rules and Regulations:

- **Eligibility:** Open to all students from different branches and years.

- Individual Participation only.

- **Registration:** All participants must register and pay the entry fee, before **8th Feb 2025 11:00 PM**

- Drawings should be submitted on or before

- Telegram bot will be given on the day of event.

- Each participant has one chance for image generation.

- Outside images not allowed, it will be verified by the team.

Code of conduct

1. Handmade drawings should be submitted before the event's date, from which some students will be selected for the next round on the basis of their drawings.
2. In round 2, participants will be given a QR Code of the Telegram Bot, in which they have to insert prompts in the form of text. The criteria are to match the handmade drawing and AI-generated image. During this round, the participants will not have their drawings in front of them.

- **An example:**
  Prompt: Ganapati bappa sitting on a cloud
  Ai generated image:

Entry Fee: ₹ 30/- per head

Prizes:
    1st Prize: - **₹ 1000** + Trophy
    2nd Prize: - **₹700** + Certificate
    3rd Prize: - **₹ 500** + Certificate

6. Games –

Event Description:

    The Games section will include a variety of interactive and fun-filled activities designed to entertain and engage participants. From physical games like tug-of-war to fun challenges like balloon popping, these games are intended to provide a break from the intense competitions and create a lively, relaxed atmosphere for everyone to enjoy.

The games included will be –
  i.   BGMI (Battleground Mobile India) (Team entry)
  ii. FreeFire

1. Battlegrounds Mobile India (BGMI) –

Game Rules -

- A team of 4 players is required, if not then minimum 3 must be there.
- All team players must play from allocated area only hence each team member should be present physically.
- Vulgarity, abusive word or foul language is not allowed & if found doing so the team will be disqualified on the spot by the management team.
- Tablets or iPads are not allowed.
- Management decision will be final.

Pre-requisites -

- **There are 3 matches (1 Erangle, 1 Sanhok, 1 Miramar).**
- Make sure your cell phone is adequately charged, at least for tournament.
- Squads will be playing under the observation of coordinators.
- The playing team must be present at the allocated area at least 15 min before the given time.
- Remaining instruction will be conveyed on the spot.

Pointing System -

- #1:- 20 Points
- #2 : - 15 Points
- #3 : - 10 Points
- #4 to #8: - 5 Points
- #10 to #25: - 2 Points
- 1 kill: - 4 Points
- Zone Prediction: - 5 Points

Entry Fee: ₹ 350/- per team

Prize:

1st Prize: - ₹ **2500** + Trophy + Certificate + Coupons

2nd Prize: - ₹ **1800** + Certificate + Coupons

3rd Prize: - ₹ **1000** + Certificate + Coupons

MVP Prize: - ₹ **500** + Trophy + Certificate + Coupons

2. FreeFire-

Game Rules -

- A team of 4 players is required, if not then minimum 3 must be there.
- All team players must play from allocated area only hence each team member should be present physically.
- Vulgarity, abusive word or foul language is not allowed & if found doing so the team will be disqualified on the spot by the management team.
- Tablets or iPads are not allowed.
- Management decision will be final.

Pre-requisites -

- **There are 3 matches (1Barmuda, 1 Purgatory, 1 Kalahari).**
- Make sure your cell phone is adequately charged, at least for tournament.
- Squads will be playing under the observation of coordinators.
- The playing team must be present at the allocated area at least 15 min before the given time.
- Remaining instruction will be conveyed on the spot.

Pointing System -

- #1:- 20 Points
- #2 : - 15 Points
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Entry Fee: ₹ 350/- per team

Prize:

1st Prize: - **₹ 2500** + Trophy + Certificate + Coupons

2nd Prize: - **₹ 1800** + Certificate + Coupons

3rd Prize: - **₹ 1000** + Certificate + Coupons

MVP Prize: - **₹ 500** + Trophy + Certificate + Coupons

7. Circuit Building –

Event Description:

Unleash your inner innovator in Circuit Masters, the ultimate circuit-building competition Participants will be tasked with designing, assembling, and testing an electrical circuit to solve a real-world problem or achieve a specific functionality. This exciting event challenges your creativity, technical skills, and problem-solving abilities under time constraints. Whether you're a beginner or a seasoned electronics enthusiast, this competition will spark your passion for innovation and engineering.

Round 1 : Electrical Symbol Quiz
Round 2 : Assembling circuit

Rules and Regulations:

- **Eligibility:** Open to all students from any branches and years.

- Teams can consist of 1–2 members

- **Registration:** All participants must register and pay the entry fee, before **08 Feb 2025 11:00 PM**.

- Components will be provided by management team.

- Participants have to complete the electric circuit in the shortest time.

- On the spot entries will not be allowed.

- Times will be recorded, and winners will be determined based on the shortest completion times.

- Participants must maintain fair play and sportsmanship.

- Disrupting other participants may result in disqualification.

Entry Fee: ₹ 50/- per head

Prizes:

1st Prize: - ₹ **2100**+ Trophy + Certificate

2nd Prize: - ₹ **1000** + Certificate

3rd Prize: - ₹ **700** + Certificate

8. ReelFest-

Event Description:

   The goal of today's event is to give you the opportunity to create **Reels** that captivate, entertain, or inform. In just 30 to 90 seconds, you have the power to leave a lasting impression, and that's exactly what we're looking for! This competition encourages you to think outside the box, push your creative boundaries, and have fun with the format.

Reels are all about telling a story, making people laugh, educating them, or even inspiring them, all within a short, dynamic video. Whether you decide to focus on **awareness campaigns**, **talent displays**, or something completely original, we want to see your creativity come to life.

Prerequisites/Guideline:

- Open to all registered students of the college.

- Videos must be original & created by participants.

- Duration of the reel should be between 30 sec to 100 sec.

- The social message should come across from the reels you create

- While making reels one should be careful about not to create hatred towards any religion, cast.

- The content should be appropriate for all audiences. No offensive language, hate speech or in appropriate themes & obscene gestures are not allowed.

- When Reel Completed then upload on google form.

- Deadline for submission will be clearly stated late entries will not be accepted

Format of Submission -

Entry Fee: ₹ 50/- per head

Prize:

   1st prize- ₹ **1000**+ Trophy + Certificate

   2nd prize –₹ **700**+ Certificate

   3rd prize- ₹ **500** + Certificate

9. SKETCH SHOWDOWN - CAD

Event Description:

AutoCAD Software Competition is an excellent way to engage college students in the practical application of a powerful software tool used in engineering, design, and data analysis. AutoCAD is the leading software for 2D and 3D computer-aided design (CAD), used extensively in architecture, engineering, and manufacturing.

This event tests participants' creativity, precision, and problem-solving abilities as they compete to create the most efficient and innovative designs. The designs will be judged on creativity, accuracy, and functionality.

Rules and Regulations:

- **Eligibility:** Open to all students from different branches and years.
- **Team Size:** Individual student.
- **Registration:** All participants must register and pay the entry fee, **before 8th Feb 2025 11:00 PM.**
- The designed parts must be submitted along with a detailed documentation of the CAD design. All work on the project must be completed during the event.
- Participants can use available CAD libraries and tools, but all designs must be original.
- Participant must stop working once the time is up.
- Participants are expected to treat each other with respect and professionalism.
- On the spot entries will be allowed.
- Participants must maintain fair play and sportsmanship.
- a Participant can be disqualified for breaking the competition rules or displaying unsporting behaviour.

- **Available Software -**
  AutoCAD 2D

- **Entry Fee:** ₹ 50/- per team

- **Prizes:**

   1st Prize: - **₹1 0 0 0** + Trophy + Certificate

   2nd Prize: - ₹ **700** + Certificate

   3rd Prize: - ₹ **500**+ Certificate

10.   Cultural Event –

Event Description:

The Cultural Event will showcase various talents, including music, dance, singing and other performances. This event is a platform for students to express their artistic side and celebrate the diversity of talents within the student community. The evening will be filled with vibrant performances that reflect the cultural richness and creativity of participants.

The sub-events included will be –

   I.   Ramp Walk

   II.   Dance (Solo, Group)

   III.   Singing (Solo, Group)

I. Ramp Walk –

Rules & Regulations –

• Participants should wear costumes that reflect Bollywood Retro or traditional styles, and they should be creative yet appropriate for all audiences.

 • **Eligibility:** Open to all students from different branches and years.

• **Team Size:** Groups can have maximum 3 students.

• **Registration:** All participants must register and pay the entry fee, **before 8th Feb 2025**

   11:00 PM.

• Participants should upload their own background music in MP3 format through the upload file option this form.

Duration:

   • **Single Entry:** 1 Minute maximum.

   • **Group Entry:** 2 Minute maximum.

Judging Criteria:

- • Creativity and originality of the costume.

- • Confidence and stage presence.

- • Alignment with the Bollywood Retro & traditional theme.

- • Costumes should not obstruct visibility or pose any safety hazards.

Entry Fee: **Solo - ₹ 40/-** per head

                   Group - ₹ 50/- per group

Prizes:

For Solo Prize: - ₹ 500 + Trophy + Certificate

For Group Prize: - ₹ 500 + Trophy + Certificate

II. Dance (Solo, Group) –

Rules & Regulations –

- • **Eligibility:** Open to all students from different branches and years.

- • **Team Size:** Groups can have upto 2 to 8 students.

- • **Registration:** All participants must register and pay the entry fee, , **before 8ᵗʰ Feb 2025 11:00 PM**.

- • Participants should upload their own background music in MP3 format through the upload file option this form.

- • The music should align with the performance theme and be appropriate for the audience. Duration:

- • **Solo Dance:** Each solo performer is allowed a maximum of 4 minutes.

- • **Group Dance:** Each group is allowed a maximum of 6 minutes for their performance.

- • **Costume and Choreography:**

  • Dance performances must follow a Bollywood Retro & Traditional theme.

   • Costumes should be decent and appropriate for a diverse audience.

   • Choreography should also respect cultural and social sensibilities while being creative and engaging.

- **Judging Criteria:**

  - Synchronization and coordination within group performances.

  - Creativity and originality in choreography.

  - Stage presence and audience engagement.

Entry Fee: Solo - ₹ 70/- per head

   Group - ₹ **100/-** per group

Prize:

   1st Prize: - ₹ 2100 + Trophy + Certificate

   2nd Prize: - ₹ 1000 + Trophy + Certificate

   3rd Prize: - ₹ 500 + Trophy + Certificate

III .Singing –

Rules & Regulations –

- **Eligibility:** Open to all students from different branches and years.

- **Team Size:** Groups can have maximum 4 students.

- **Registration:** All participants must register and pay the entry fee, **before 8th Feb 2025**

   11:00 PM.

- Participants may perform with or without instrumental accompaniment.

- For those using background tracks, Participants should upload their own background music in MP3 format through the upload file option this form.

- Participants are required to bring their own instruments for the competition.

   Duration:

   • **Solo :** Each solo performer is allowed a maximum of 4 minutes.

   • **Group :** Each group is allowed a maximum of 6 minutes for their performance. Genres:

- Performances can include any genre but should be appropriate for all audiences. Lyrics or music with offensive content are strictly prohibited.

- **Judging Criteria:**

- **Vocal/Instruments Skill:** The technique and mastery of singing or instrumental play.

- **Creativity & Originality:** Original performances or unique interpretations of known songs will score higher.

- **Stage Presence and Audience Engagement**: How well participants engage with the audience and judges through their performance.

- **Musicality:** Judges will evaluate rhythm, pitch, timing, and overall musical presentation.

Entry Fee: **Solo - ₹ 50/-** per head

Group - ₹ 100/- per group

Prize: - ₹ 1000 + Trophy + Certificate

11. School Level:

Quiz Competition

A **Quiz Competition for school students** is a fantastic way to engage young minds, stimulate their curiosity, and test their knowledge in a fun and competitive environment. It provides students with an opportunity to showcase their academic strengths, improve their general knowledge, and sharpen their quick-thinking abilities. Whether it's in subjects like science, history, literature, or general knowledge, a quiz event is a great learning experience for students of 8th, 9th & 10th.

Rounds:

The quiz will be divided into multiple rounds, each focusing on a different area of knowledge. These might include:

- **General Knowledge**: Questions covering a broad range of topics, from geography to pop culture.

- **Science**: Test your knowledge of biology, physics, chemistry, and more.

- **History**: Questions related to historical events, famous leaders, and world history.

- **Literature**: From famous books and authors to literary terms and history.

- **Mathematics & Logic**: Fun and challenging problem-solving questions.

- **Current Affairs**: Questions related to what's happening in the world today

- **Rapid fire round:** General knowledge questions will be asked, and the answers should be quick enough.

Rules and Regulations:

- **Eligibility:** Open to all students from different branches and years.

- Open to individual participants only.

- **Registration:** All participants must register and pay the entry fee, before **8th Feb 2025 11:00 PM.**

- The competition is conducted in offline mode.

- Participants must adhere to rules for a fair and competitive environment.

- Event Format: **Two rounds.**

- Maintain integrity and sportsmanship.

- Cheating, plagiarism, or misconduct leads to disqualification.

- For rapid fire, the first group to press the buzzer will be given a chance to answer. If the answer is wrong, the next group will be allowed to answer.

- I'D card is mandatory.

- Use of electronic gadgets is not allowed.

Entry Fee: ₹ 20/- per head

- **Prizes:**

    1st Prize: - ₹ **1000**+ Trophy + Certificate

    2nd Prize: - ₹ **700** + Certificate

    3rd Prize: - ₹ **500** + Certificate

Poster Presentation:

A **Poster Presentation on Sustainable Development Goals (SDGs)** is an impactful event that gives students the opportunity to creatively engage with the 17 global goals set by the United Nations to address urgent environmental, social, and economic challenges. Students can use posters to convey the significance of these goals, raise awareness, and showcase solutions that can be implemented at local, national, or global levels. This event combines research, design, and communication skills to help students explore the SDGs and their role in building a sustainable future.

We hope that through this event, we can inspire you to think critically about how the SDGs apply to your own community and explore practical solutions that can make a difference. It's not just about raising awareness; it's about being a part of the solution.

Rules and Regulations:

- **Eligibility:** Open to all students from different branches and years.

- Open to individual participants only.

- **Registration:** All participants must register and pay the entry fee, before **8ᵗʰ Feb 2025 11:00 PM.**

- The competition is conducted in offline mode.

- Participants must adhere to rules for a fair and competitive environment.

- Maintain integrity and sportsmanship.

- Cheating, plagiarism, or misconduct leads to disqualification.

Entry Fee: ₹ **20/- per head**

- **Prizes:**

    1st Prize: - ₹ **1000** + Trophy + Certificate

    2nd Prize: - ₹ **700** + Certificate

    3rd Prize: - ₹ **500** + Certificate

Show

I. **Drone Show:**

    Small Semusoft drone

    Krushi Spray Drone

II. **EV Show :**

    EV Car : Display, Information & Sponsorship from Tata/ Mahindra

    EV Bike: Display, Information & Sponsorship from Ola, Kinetic Green, Balaji E-Bikes, Ather & Bajaj.

III. **Solar Show:**