



VOLT Z FEST
— 2025 —

VOLTZFEST 2K25

Departmental Technical Annual Event

Date – 10th – 11th Feb 2025

Venue – VPKBIET, Baramati.

Department of Electrical Engineering

Vidya Pratishtan'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 technical event on the **10th – 11th Feb 2025** offers students the chance to showcase their talents, face new challenges, and collaborate with peers.

With a mix of technical competitions —ranging from robot races and CAD design to debates and Technical 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.

School Level:

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

Technical Show:

1. Drone Show.
2. EV Show.
3. Solar Show.

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, AIDS, Civil, and IT 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 disciplines and years
- **Team Size:** Groups can have up to 3 to 4 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

All participants will get the participation 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.

Rules and Regulations:

- **Eligibility:** Open to all students from different branches and years.
- **Team Size:** Groups can have up to 3 participants.
- **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-

Mind marathon competition (total 20 Que)

Section: Basic 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: ₹ 60/- per team

Prizes:

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

2nd Prize: - **₹700** + Certificate

3rd Prize: - **₹ 500** + Certificate

All participants will get the participation certificate.

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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

All participants will get the participation 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 Minimum 3 and maximum 5 students.
- **Registration:** All participants must register and pay the entry fee, before **8th Feb 2025 11:00 PM**
- Each participant can be part of only one team.
- College ID card is compulsory while participating.

Paper Budget – 80cr.

Marquee Players(4)	PPT
Batsman (4)	PPT
Bowler (4)	
All-rounder(2)	
Wicket Keeper (2)	

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 2 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

All participants will get the participation certificate.

5. AI Art Gallery Challenge -

Event Description:

The AI Art Gallery Challenge is a Mind visualization Challenge in which participants have to use a telegram bot to generate images in different rounds. Participants will use a telegram bot for image generation created by the VOLTZFEST Team.

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 **5th Feb 2025**.
- Telegram bot will be given on the day of event.
- Each participant has one chance for each round to generate image.
- Outside images not allowed, it will be verified by the team. If found the participant will be disqualified.

Code of conduct

1. In round 1: participants have replicate their drawing with AI-generated image.
2. Round 2: Further, participants will be given 4 to 5 topics. Participants have to generate an image of one of the topics.
3. Round 3: An image will be shown on screen for limited time. Participants have to give prompts to the bot to generate Similar image

- **An example:**

Prompt: Ganapati bappa sitting on a cloud

Ai generated image:



Entry Fee: ₹ 30/- per head

Prizes:

1st Prize: - ₹ 1000 + Trophy + Certificate

2nd Prize: - ₹700 + Certificate

3rd Prize: - ₹ 500 + Certificate

All participants will get the participation 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 -

1. Players must ensure their BGMI app is updated to the latest version before the tournament begins.
2. All required maps (Erangel, Sanhok, Miramar, etc.) must be downloaded in advance. The management will not wait for players to download maps during the event.
3. Only mobile devices are allowed. Tablets and emulators are strictly prohibited.
4. Charging facilities will be provided, but players must bring their own chargers.
5. All participants must carry a valid ID card. No player will be allowed to participate without presenting their ID.
6. If a player cannot participate, the team leader must inform the management at least 1 hour before the match. On-the-spot changes or substitutions will not be allowed.
7. Players are responsible for ensuring their devices are fully functional and ready for gameplay.
8. If players from any team are late or unable to attend the event, at least 3 players are required to participate in the specific match.
9. Zero Tolerance: Any form of cheating or hacking (aimbots, wallhacks, etc.) will result in immediate disqualification and ban from future tournaments.
10. Device Checks: Random device checks may be conducted to ensure fair play.
11. Check-in Time: Players must check in at least 30 minutes before the scheduled match start time.
12. Late Arrival: Players arriving more than 10 minutes late may lose their match.
13. Headphones: Players must bring their own headphones for communication and gameplay.
14. Physical Fights: Any physical altercation will result in immediate disqualification of the involved players or teams.
15. Verbal Abuse: Use of offensive language, threats, or harassment will not be tolerated and can lead to disqualification.
16. Sportsmanship: Players are expected to maintain professionalism and respect towards others.
17. Match Rules: Follow all in-game rules and tournament-specific guidelines provided by the organizers.

Tournament Format:**Match Details:**

- **Total Matches:** 4 matches (2 per day)
- **Maps Sequence:**
 - **Day 1:** Erangel, Miramar, Sanhok, Erangel
 - **Day 2:** Erangel, Miramar, Sanhok, Erangel

Day 1:

- **Format:** offline
- **Description:** Players can participate from their preferred location.
- **Maps:**
 1. Erangel
 2. Miramar
 3. Sanhok
 4. Erangel

Day 2:

- **Format:** Offline (In-person)
- **Location:** College premises (exact venue to be announced)
- **Maps:**
 1. Erangel
 2. Miramar
 3. Sanhok
 4. Erangel

Venue and Timing:

- Venue details and match timings will be shared with team leaders via message.
- Ensure team leaders stay updated with messages for the latest information.

Point System:

Each kill is worth 1 point.

Point Distribution for Placement:

Place	Points
1 st Place	10
2 nd Place	6

3 rd Place	5
4 th Place	4
5 th Place	3
6 th Place	2
7 th Place	1
8 th Place	1
9 th -20 th Place	0

Entry Fee: ₹ 200/- per team

Prize:

1st Prize: - ₹ 2200 + Trophy + Certificate

2nd Prize: - ₹ 1500 + Certificate

3rd Prize: - ₹ 800 + Certificate

MVP Prize: - ₹ 500

All participants will get the participation certificate.

2. FreeFire-

Game Rules and Regulation:

1. Players must ensure their Free-Fire app is updated to the latest version before the tournament begins.
2. All required maps (**Bermuda, Purgatory**, etc.) must be downloaded in advance. The management will not wait for players to download maps during the event.
3. No Revival Points available in game match.
4. Only mobile devices are allowed. Tablets and emulators are strictly prohibited.
5. Mobiles must be fully charged.
6. All participants must carry a valid ID card. No player will be allowed to participate without presenting their ID.
7. If a player cannot participate, the team leader must inform the management at least 1 hour before the match. On-the-spot changes or substitutions will not be allowed.
8. Players are responsible for ensuring their devices are fully functional and ready for gameplay.
9. If players from any team are late or unable to attend the event, at least 3 players are required to participate in the specific match.
10. Zero Tolerance: Any form of cheating or hacking (panels, aimbots, wallhacks, etc.) will result in immediate disqualification and ban from future tournaments.
11. Device Checks: Random device checks may be conducted to ensure fair play.
12. Check-in Time: Players must check in at least 30 minutes before the scheduled match start time.
13. Late Arrival: Players arriving more than 10 minutes late may lose their match.
14. Headphones: Players must bring their own headphones for communication and gameplay.
15. Physical Fights: Any physical altercation will result in immediate disqualification of the involved players or teams.
16. Verbal Abuse: Use of offensive language, threats, or harassment will not be tolerated and can lead to disqualification.
17. Sportsmanship: Players are expected to maintain professionalism and respect towards others.
18. Match Rules: Follow all in-game rules and tournament-specific guidelines provided by the organizers.

19. Arguments with Head and Coordinator will not be entertained. Strict action will be taken.

20. Head and Coordinators decision will be final.

Tournament Format:

Match Details:

- **Total Matches:** 4 matches (2 per day)
- **Maps Sequence:**
 - **Day 1:** Bermuda, Purgatory
 - **Day 2:** Bermuda, Purgatory

Day 1:

- **Format:**
- **Location:** (exact venue to be announced)
- **Maps:**
 1. Bermuda
 2. Purgatory

Day 2:

- **Format:**
- **Location:** (exact venue to be announced)
- **Maps:**
 1. Bermuda
 2. Purgatory

Venue and Timing:

- Venue details and match timings will be shared with team leaders via message.
- Ensure team leaders stay updated with messages for the latest information.

Point System:

Each kill is worth 1 point.

Point Distribution for Placement:

Place	Points
1 st Place	12
2 nd Place	9
3 rd Place	8
4 th Place	7

5 th Place	6
6 th Place	5
7 th Place	4
8 th Place	3
9 th Place	2
10 th Place	1
11 th Place	0
12 th Place	0

Entry Fee: ₹ 200/- per team

Prize:

1st Prize: - ₹ 2200 + Trophy + Certificate

2nd Prize: - ₹ 1500 + Certificate

3rd Prize: - ₹ 800 + Certificate

MVP Prize: - ₹ 500

All participants will get the participation certificate.

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

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**.
- Paper will be provided by management team.
- Participants have to complete the Quiz 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.

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 Team

Prizes:

1st Prize: - ₹ 2100+ Trophy + Certificate

2nd Prize: - ₹ 1000 + Certificate

3rd Prize: - ₹ 700 + Certificate

All participants will get the participation certificate.

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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.

Eligibility: Registration is open to all students of the college.

Originality: Videos should be original and created by the participants.

Duration: The video should be between 30 to 120 seconds in length.

Theme: The reel must convey a social message effectively.

Content Appropriateness: Ensure the content:

- Does not incite hatred towards any religion, caste, or community.
- Is appropriate for all audiences and avoids offensive language, hate speech, inappropriate themes, or gestures.

Submission Process:

- Upload your completed reel via the designated Google Form.
- Additionally, submit your reel to the Google Drive link provided before the deadline.

File Size Limit: The reel file size should not exceed 300 MB.

Entry Limit:

- Each group can submit a maximum of 2 entries.
- For a second reel on a different subject, the group must re-register and pay the entry fee again.

Title Requirement: It is mandatory to display the title of the selected topic at the start of the reel.

Certificate: A common certificate will be awarded to both the winning and participating teams.

Reelfest Theme:

- Quality Education
- Gender Equality
- Sustainable Cities And Communities
- Animal Right Awareness
- Enhancing Indian Culture
- Digital Detox
- Promoting Local Business
- Empowering Farmers

- Addiction On Rise Of Youth
- Education To All

Entry Fee: ₹ 50/- per head

Prize:

1st prize- ₹ 1000+ Trophy + Certificate

2nd prize – ₹ 700+ Certificate

3rd prize- ₹ 500 + Certificate

All participants will get the participation 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.
- Participant can be disqualified for breaking the competition rules or displaying unsporting behavior.

- **Available Software -**

AutoCAD 2D

- **Entry Fee: ₹ 50/- per head**

- **Prizes:**

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

2nd Prize: - **₹ 700** + Certificate

3rd Prize: - **₹ 500**+ Certificate

All participants will get the participation certificate.

10. School Level:

1. 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 7th, 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 the students of school only for the standards 7th, 8th, 9th & 10th.
- Open to group of maximum 2 to 3 members.
- **Registration:** All participants must register and pay the entry fee, before **8th Feb 2025 11:00 PM.**
- Quiz competition will be based on general knowledge, Science, History, Maths, Logic, Current Affairs, etc.
- 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.
- First round will be of MCQ round. Second to onwards will be of buzzer round.
- In buzzer round, 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

All participants will get the participation certificate.

2. 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 the students of school only for the standards 7th, 8th, 9th & 10th.
- 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.
- Poster must have drawn by the participant only.
- Participants must have to present the poster at the venue.
- 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.

Topics:

1. Save Water, Save Life
2. Woman Empowerment
3. Clean India, Green India
4. Save Electricity.
5. Reduce, recycle, reuse
6. Mental health awareness

Entry Fee: ₹ 20/- per head

• **Prizes:**

1st Prize: - ₹ 1000 + Trophy + Certificate

2nd Prize: - ₹ 700 + Certificate

3rd Prize: - ₹ 500 + Certificate

All participants will get the participation certificate.

Technical Shows

I. Drone Show:

This event aims to bridge the gap between theory and practice by providing an immersive experience where students can witness the fascinating capabilities of drones, explore their practical applications, and interact with industry professionals and innovators. We are excited to present the **Drone Show** to inspire creativity, encourage hands-on learning, and showcase the limitless potential of drone technology in solving real-world challenges.

II. EV Show :

As the world shifts towards sustainable solutions, electric vehicles (EVs) are at the forefront of the transportation revolution, offering eco-friendly alternatives and technological advancements. To inspire future innovators and enhance awareness among students, we are excited to present the **EV Show and Exhibition** a dynamic event designed to showcase cutting-edge electric vehicle technology, innovation, and the future of mobility. This event aims to provide students with hands-on exposure to electric vehicle systems, components, and sustainable technologies, fostering deeper knowledge and creative exploration. With live demonstrations, workshops, expert talks, and student project showcases, participants will have the unique opportunity to learn from industry leaders, explore career prospects, and gain insights into the engineering and environmental impact of EV technology.

III. Solar Show:

In the era of sustainable innovation, solar energy has become a cornerstone of global efforts to combat climate change and reduce carbon footprints. To promote awareness and inspire innovation among students, we proudly present the **Solar Panel and Renewable Energy Product Show**—an interactive platform to explore cutting-edge solar technology, renewable energy solutions, and sustainable products.