

## **Avensis'25: Annual Tech-fest of MSIT**

Maharaja Surajmal Institute of Technology's flagship tech fest, **Avensis'25**, held on the 29th and 30th of January 2025, in collaboration with IEEE MSIT, was a two-day extravaganza that celebrated the perfect blend of technology, creativity, fun, and teamwork. Under the able leadership of five Chief Advisors — **Ishneet Kaur Chadha, Tusshar Agarwal, Shubham Sharma, Tarush Masand, and Sanskriti Singh** — the fest had an overall footfall of more than **10,000 participants** for multiple technical and non technical events, ranging from tech challenges to creative competitions and cultural performances.

The fest was inaugurated by the honorable **Shri J.P. Tomar** (Director, Engineers India Ltd.), who shared valuable insights into innovation, technology, and the future of engineering. The event was graced by the presence of esteemed dignitaries, including **Shree Kaptan Singh**, Hon'ble President SMES, **Sh. Shayam Singh**, member SMES, **Prof. Archana Balyan**, Director MSIT Prof. ( **Dr.**) **Harish Singh**, Director MSI, , and **Prof. H.S. Rawat**, Director T&P. Their presence added great value to the occasion. The guidance of **Dr. Aman Dahiya, Associate Professor, Convener, Dr. Jyoti Khurana, and Dr. Deepti Deshwal, Co-conveners**, ensured the seamless execution of the event.

### **Day 1 January 29, 2025:**

Day 1 of Avensis'25 kickstarted with a grand Inauguration Ceremony at 06, graced by Shri J.P. Tomar, who encouraged students to innovate and lead with technology. The inauguration ceremony commenced with the traditional **lamp lighting** and **Sarasvati Vandana**, symbolizing wisdom and prosperity. This was followed by an inspiring speech by **Shree Kaptan Singh Sir, Hon'ble President SMES**, who emphasized the significance of innovation and perseverance in the field of engineering.

The **Chief Guest, Shri J.P. Tomar**, shared his invaluable insights on technology and the future of engineering, motivating students to embrace continuous learning and innovation. **Dr. Aman Dahiya** addressed the gathering, highlighting the role of such events in fostering technical and managerial skills among students. **Prof. Archana Balyan, Director MSIT**, and **Dr. Harish Singh, Director MSI**, also shared their thoughts, appreciating the efforts of the organizing team and encouraging students to actively participate.

As part of the ceremony, a celebratory **cake-cutting** took place, marking the commencement of the fest. This was followed by a **presentation on HackWie** by **Deepak Garg, Chief Organizer and IEEE Execom**

**member**, showcasing the impact and opportunities provided by the hackathon. Finally, **Shri J.P. Tomar** **officially declared the fest open**, signaling the beginning of an exciting series of events and competitions.

## **Technical events:**

### **1. HackWie 3.0 (Venue: 06, Time: 11:00 AM)**

A special highlight of the fest was **HackWie 3.0**, a two-day hybrid hackathon dedicated to **empowering women in technology**. Organized by **IEEE MSIT**, the event provided a platform for aspiring innovators to **collaborate, brainstorm, and develop solutions** to real-world challenges. Participants demonstrated their **coding, problem-solving, and development skills**, working in teams to create impactful projects.

To enhance the learning experience, **industry experts and mentors** guided participants throughout the hackathon, offering valuable insights and feedback. A panel of **three esteemed judges**, comprising professionals from the tech industry and academia, evaluated the projects based on innovation, feasibility, and execution. With an **impressive prize pool of ₹25,000**, the hackathon not only recognized outstanding talent but also encouraged all participants by distributing **exclusive goodies worth ₹50,000** as a token of appreciation. The event fostered a culture of **inclusivity, collaboration, and innovation**, reinforcing the importance of women's participation in the tech industry.

### **2. Code Combat (Venue: 104, Time: 11:00 AM)**

One of the most thrilling competitions of the fest was the **DSA (Data Structures and Algorithms) Marathon**, a high-stakes event designed to push participants to their limits under intense time constraints. **Code Combat 2025 held by IEEE MSIT**, an exhilarating DSA coding competition, was meticulously crafted to challenge students' problem-solving abilities, algorithmic thinking, and coding efficiency.

The event attracted some of the brightest minds, fostering an environment of intellectual rigor and competitive spirit. Participants faced a series of progressively challenging DSA problems, designed to test their grasp of fundamental concepts, logical reasoning, and ability to devise optimal solutions under pressure. The competition required not only technical expertise but also strategic thinking and time management, as coders raced against the clock to secure top positions on the leaderboard.

Beyond the competitive aspect, **Code Combat 2025 served as a platform for learning and growth**, encouraging participants to refine their coding skills and adopt efficient problem-solving techniques. With an atmosphere charged with excitement, focus, and the thrill of competition, the event successfully celebrated the essence of algorithmic mastery and innovation in programming.

### **3. TechPulse (Venue: 111, Time: 01:00 PM)**

TechPulse – the ultimate test of tech enthusiasts’ knowledge – bringing together participants eager to showcase their expertise in emerging technologies, programming, and science. The quiz featured a series of thought-provoking and high-intensity rounds, covering topics such as AI, cybersecurity, software development, and recent scientific breakthroughs. Participants had to think quickly and strategically, answering challenging questions that pushed their analytical and problem-solving skills. TechPulse not only fostered a spirit of competition but also served as an engaging platform to learn about the latest trends shaping the tech world.

### **4. The Neural Challenge (Venue: MSIT, Time: 11:00 AM)**

The Neural Challenge brought together AI enthusiasts to explore the vast potential of neural networks and artificial intelligence applications. The competition challenged participants to think critically, innovate, and apply AI concepts to solve real-world problems. With a focus on machine learning models, deep learning architectures, and AI-driven solutions, contestants tackled complex scenarios that tested their technical proficiency and creativity. The event not only encouraged problem-solving but also inspired participants to push the boundaries of AI innovation, making it a thrilling experience for all involved.

## **Robotics Events**

### **1. RoboMaze (Venue: MSIT Ground, Time: 11:00 AM)**

RoboMaze was an electrifying competition that put participants' robotics and programming skills to the test. Contestants designed and programmed robots to autonomously navigate a challenging, intricately designed maze, requiring a perfect blend of precision, algorithmic efficiency, and real-time problem-solving. As robots maneuvered through twists, turns, and obstacles, the event showcased the seamless integration of hardware and software, pushing participants to optimize their bots for speed and accuracy. RoboMaze not only highlighted technical expertise but also fostered innovation, teamwork, and a passion for robotics among future engineers.

### **2. Line Follower (Venue: Law Lobby, Time: 11:00 AM)**

Line Follower was a thrilling showcase of robotics and automation, where participants programmed their robots to autonomously track and follow a predefined path with precision. The challenge required a fine balance of sensor calibration, algorithm optimization, and real-time adjustments as the robots navigated the course at varying speeds. With each team striving for flawless execution and minimal deviations, the event

highlighted engineering excellence, problem-solving skills, and the practical application of automation technologies. Line Follower not only tested technical proficiency but also celebrated innovation in autonomous systems.

### **3. Robo Soccer (Venue: Badminton Court, Time: 01:00 PM)**

Robo Soccer brought together the excitement of soccer and robotics in a fast-paced, high-energy competition. Teams programmed their robots to strategically dribble, pass, and score goals, showcasing a blend of mechanical precision, AI-driven tactics, and real-time decision-making. With the crowd cheering for every goal and defensive maneuver, the event created an electrifying atmosphere, emphasizing teamwork, innovation, and the future of autonomous sports technology. Robo Soccer was not just a game—it was a thrilling display of engineering excellence and competitive spirit.

### **4. RoboRace (Venue: MSIT Ground, Time: 12:00 PM)**

RoboRace was an adrenaline-packed event where participants put their robotics, engineering, and programming skills to the test. Robots raced against time on challenging, obstacle-laden tracks, requiring a combination of speed, precision, and adaptive navigation. Each team showcased its creativity in design and optimization, fine-tuning their bots to tackle sharp turns, ramps, and hurdles with efficiency. The competition not only celebrated technical prowess and innovation but also fostered a spirit of determination and problem-solving, making RoboRace a thrilling highlight of the fest.

## **Fun and Creativity-Driven Events**

### **1. Creative Canvas (Venue: 407, Time: 12:00 PM)**

Creative Canvas was a vibrant celebration of artistic expression and creativity. Art enthusiasts came together to unleash their imagination, using colors, strokes, and unique concepts to bring their ideas to life. The competition encouraged participants to think beyond boundaries, translating their thoughts into stunning visual masterpieces. With an atmosphere filled with passion and artistic energy, Creative Canvas not only highlighted individual talent but also fostered a deep appreciation for the power of visual storytelling and creative expression.

### **2. Pehchaan (Venue: Auditorium, Time: 12:00 PM)**

Pehchaan was a high-energy dance battle that set the stage on fire with electrifying performances. Dancers from various backgrounds showcased their rhythmic precision, creativity, and stage presence, captivating

the audience with their flawless moves and dynamic choreography. From freestyle face-offs to synchronized group routines, the competition was a thrilling display of passion, skill, and sheer artistry. The pulsating beats, roaring cheers, and fierce competition made Pehchaan not just an event, but an unforgettable celebration of dance and self-expression.

### **3. Meme Verse (Venue: 401, Time: 12:00 PM)**

Meme Verse was a laughter-packed event where participants showcased their wit, humor, and creativity through hilarious memes. From relatable everyday moments to trending pop culture references, contestants crafted memes that had the audience in splits. The event turned into a viral sensation, with waves of laughter echoing through the room as participants presented their funniest takes on various themes. Meme Verse was more than just a competition—it was a celebration of internet culture, satire, and the power of humor to bring people together.

### **4. Scavengers Hunt (Venue: Boys Hostel, Time: 11:00 AM)**

Scavengers Hunt was an exhilarating race against time where teams embarked on a thrilling quest to uncover hidden clues and solve intricate puzzles. Armed with their wit, teamwork, and problem-solving skills, participants navigated through a series of cryptic hints and challenging tasks, each leading them closer to the final prize. The event was a perfect blend of strategy, adventure, and excitement, keeping the energy high as teams dashed from one clue to the next. Scavengers Hunt wasn't just about speed—it was about sharp thinking, collaboration, and the thrill of discovery.

### **5. Human Ludo (Venue: MSIT Ground, Time: 10:00 AM)**

Human Ludo, held at MSIT Ground at 10:00 AM, brought the beloved board game to life in an exciting, life-sized format that captivated both participants and spectators. Players became the game pieces themselves, navigating the giant board while rolling oversized dice, adding an element of fun, strategy, and unpredictability to the competition. The event drew large, enthusiastic crowds, who cheered on as teams raced to get their members "home" while avoiding setbacks. Blending nostalgia with interactive entertainment, Human Ludo was a unique and unforgettable experience that kept the energy high and the excitement soaring.

## **Gaming Events**

### **1. Asphalt Tournament (Venue: 204, Time: 11:00 AM)**

Asphalt Tournament was an adrenaline-fueled showdown where gamers put their racing skills to the test in this high-speed mobile game. Participants engaged in intense head-to-head battles, maneuvering through sharp turns, executing daring drifts, and unleashing nitro boosts to outpace their opponents. The electrifying atmosphere, combined with fierce competition and strategic gameplay, made every race a thrilling spectacle. With players showcasing their precision, reflexes, and tactical mastery, the Asphalt Tournament proved to be an exhilarating highlight for gaming enthusiasts.

## **2. Chess Tournament (Venue: 410, Time: 10:00 AM)**

The Chess Tournament was a battle of intellect and strategy, drawing chess enthusiasts eager to showcase their tactical brilliance and critical thinking skills. Each match was a gripping encounter, where players carefully calculated their moves, anticipated their opponents' strategies, and executed masterful plays to secure victory. From fast-paced blitz games to nail-biting endgames, the tournament tested every participant's ability to stay composed under pressure. The event not only fostered friendly competition and sportsmanship but also celebrated the timeless elegance and depth of chess as a game of pure skill and mental agility.

## **Day 2: Raising the Bar**

Day 2 carried forward the momentum, offering an array of engaging events across technical, creative, and gaming domains, culminating in the much-anticipated Star Night.

### **Technical Events**

#### **1. UXcelerate (Venue: 111, Time: 10:00 AM)**

UXcelerate provided a dynamic platform for aspiring web and app designers to showcase their UI/UX skills through innovative projects. Designed to bridge the gap between theoretical knowledge and industry expectations, the event encouraged participants to think creatively, develop user-centric solutions, and refine their design expertise. By bringing together students from various colleges, UXcelerate fostered a collaborative design community, promoting networking, knowledge sharing, and real-world problem-solving. With guidance from industry experts, participants gained hands-on experience, tackling challenges that pushed the boundaries of traditional UI/UX design.

The event welcomed both individual participants and teams of up to two members, providing an inclusive space to experiment and innovate. Designers tackled real-world challenges with complete creative freedom, using their preferred design tools. The competition featured three engaging themes: Futuristic Vision,

which reimagined next-gen interfaces; Retro Arcade, blending nostalgic aesthetics with modern usability; and Boundless Creativity, offering limitless artistic exploration. More than just a competition, UXcelerate was an inspiring and transformative experience, fostering collaboration, innovation, and a shared passion for digital design excellence.

## **2. Mr. & Ms. Coder (Venue: 206, Time: 12:00 PM)**

Mr. & Ms. Coder was an intense and highly competitive coding showdown designed to identify the best programmers based on speed, accuracy, and problem-solving abilities. Participants faced a series of algorithmic challenges that tested their proficiency in data structures, logic building, and efficient coding techniques. The competition demanded not only technical expertise but also quick thinking and adaptability under pressure. As the rounds progressed, the difficulty escalated, pushing coders to optimize their solutions and showcase their mastery over programming concepts.

With a thrilling head-to-head format, the event created an electrifying atmosphere as contestants raced against the clock to debug, optimize, and submit their solutions. The top performers, who demonstrated exceptional coding efficiency and logical precision, earned the prestigious titles of Mr. & Ms. Coder, securing their place among the elite problem-solvers of the event. Beyond the competition, the event fostered a spirit of innovation, learning, and collaboration, making it a remarkable experience for all coding enthusiasts.

## **Gaming Events**

### **1. BGMI Esports Tournament (Venue: 101, Time: 10:00 AM)**

The BGMI Esports Tournament brought together skilled squads for an adrenaline-charged battle royale showdown. Teams engaged in intense firefights, strategic positioning, and high-stakes survival gameplay, all while adapting to the dynamic in-game environment. Every decision, from loot management to last-circle tactics, played a crucial role in determining the victors.

### **2. Valorant Tournament (Venue: Lab 101, Time: 10:00 AM)**

The Valorant Tournament was a high-intensity tactical showdown where teams of five agents clashed in strategic, objective-based gameplay. Combining elements of precise aiming, map control, and agent abilities, players had to outmaneuver, outshoot, and outthink their opponents in a series of heart-pounding rounds.

## **Cultural and Creative Highlights**

### **1. Creative Canvas**

Creative Canvas on Day 2 continued to be a vibrant celebration of artistic expression, bringing together budding and seasoned artists to showcase their imagination. Participants used a variety of mediums and styles, crafting stunning pieces that reflected creativity, emotion, and unique perspectives. The event served as a platform for self-expression, where every stroke of the brush and blend of colors told a story. With an atmosphere filled with inspiration and artistic energy, the competition not only encouraged innovation in art but also fostered a sense of community among creative minds.

### **2. Senatus (Venue: MBA 301, Time: 10:00 AM)**

Senatus was an arena of intellectual discourse, where participants engaged in stimulating debates on contemporary issues. The event provided a platform for aspiring leaders and thinkers to voice their opinions, defend their arguments, and challenge perspectives with well-researched insights. Participants showcased critical thinking, eloquence, and persuasive reasoning as they tackled complex socio-political, technological, and ethical topics. The dynamic exchanges between debaters kept the audience engaged, making Senatus a compelling battle of wits and ideas that highlighted the power of articulate speech and informed discussion.

### **Musical Star Night**

The festival concluded on a high note with the Musical Star Night at Lab 204 at 05:00 PM, where the stage came alive with soul-stirring live performances. From melodious solo acts to high-energy band performances, the evening was a perfect blend of rhythm, passion, and musical brilliance. As the music filled the air, the audience swayed, sang along, and celebrated the spirit of the fest with enthusiasm. The event created a magical ambiance of unity and joy, leaving attendees with unforgettable memories and a perfect farewell to the exhilarating two-day celebration.

Avensis'25 was not just a tech fest but a celebration of innovation, teamwork, and talent. The efforts of the convenors, coordinators, and participants made it a grand success, reaffirming MSIT's commitment to excellence.



MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY  
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PRESENTS  
**AVENSIS'25**  
ANNUAL TECH FEST OF MSIT & MSI  
ON  
29th and 30th January  
**CHIEF PATRONS**

**SHRI J.P. TOMAR**  
CHIEF GUEST  
DIRECTOR  
ENGINEERS INDIA, LTD.

**PROF. (DR.) ARCHANA BALYAN**  
DIRECTOR MSIT

**ER. KAPTAN SINGH**  
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**MS. ESHA JAKHAR**  
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**SH. AJIT SINGH**  
SECRETARY, SMES

**SH. R. P. SOLANKI**  
TREASURER

**PROF. (DR.) HARISH SINGH**  
DIRECTOR MSI

**VENUE: Seminar Hall, MSIT**  
CONVENOR: Dr. AMAN DAHIYA  
ASSOCIATE PROFESSOR ECE DEPARTMENT, MSIT







**Dr. Aman Dahiya**  
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**Convener Avensis-25**