



VEL TECH HIGH TECH

DR RANGARAJAN DR SAKUNTHALA ENGINEERING COLLEGE

(An Autonomous Institution)

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai

2 DAYS NATIONAL LEVEL SYMPOSIUM

On

FORGING THE FUTURE OF ENGINEERING



16TH & 17TH SEPTEMBER 2025

ORGANIZED BY

**DEPARTMENT OF MECHANICAL
ENGINEERING**

VEL TECH HIGH TECH

DR RANGARAJAN DR SAKUNTHALA
ENGINEERING COLLEGE

AVADI - VEL TECH ROAD,

AVADI, CHENNAI - 62

CHIEF PATRONS

COL. PROF. VEL. SHRI. Dr. R. Rangarajan,

Founder President & Chairman

Dr. Sakunthala Rangarajan,

Foundress President & Vice Chairman

PATRON

PROF. Dr. E. Kamalanaban, Principal

CONVENERS

Dr. V. R. Ravi, Professor & Dean-Academics

Dr. R. Suresh, Professor & Dean-SoMC

CO-CONVENERS

Dr. P. Vijayasarithi, Dean-IQAC

Dr. M. Gopinath, Dean-CCA

Dr. R. Palanisamy, Head

FACULTY COORDINATORS

Dr. S. Rajamanickam, Assistant Professor

Dr. K. Parthiban, Assistant Professor

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Dr. G. Mohammed Thalib Basha, Assistant Professor

Mr. K. Venkatesan, Assistant Professor

Mr. V. Yogesh, Assistant Professor

Mr. S. Velmurugan, Assistant Professor

STUDENT COORDINATORS

Mr. A. Mohamed Kholesha Masthan, Secretary

Mr. R. Himalan, Joint Secretary

ABOUT THE INSTITUTION

Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, an autonomous institution established in 2002 under the R.S. Trust, was founded by the visionary philanthropic couple Col. Prof. Vel. Shri. Dr. R. Rangarajan and Dr. Sakunthala Rangarajan. Approved by AICTE and affiliated with Anna University, the college offers nine undergraduate and two postgraduate programs. Known for its academic excellence, industry-oriented training, and strong placement support. The institution promotes innovation, research and holistic development with modern infrastructure, experienced faculty and active industry collaborations, it continues to produce skilled, ethical, and globally competent professionals ready to meet the challenges of tomorrow.

ABOUT THE DEPARTMENT

Established in 2009, the Department of Mechanical Engineering provides a strong academic environment for its 60 students. Permanently affiliated with Anna University, Chennai, The department features modern laboratories and well-structured infrastructure. Faculty members have published numerous research papers in reputed journals, earning significant citations and maintaining a strong h-index of 18. The department, recognized as a Research Centre by Anna University, has also completed several funded projects and offers opportunities for advanced research and Ph.D studies.

TECHNICAL EVENTS

Day 1 (September 16th, 2025)

- 1. PAPER PRESENTATION**
- 2. CADD WARZ**
- 3. BOTTLE ROCKETRY LAUNCHER**
- 4. CONNEXIONS**
- 5. QUIZ**
- 6. WORKSHOP: AEROX**

CULTURAL EVENTS

Day 2 (September 17th, 2025)

- 1. DANCE O' MANIA**
- 2. 3-MINUTE SHORT FILM CONTEST**
- 3. VOICE & VERSE**
- 4. FORGE'S GOT TALENT**
- 5. RC CAR RUSH**

OBJECTIVES

- To provide a platform for students, researchers, and industry professionals to exchange innovative ideas and emerging trends.
- To enhance technical skills through engaging paper presentations and challenging competitions.
- To foster collaboration and networking between academia and industry.
- To ignite curiosity and motivate participants towards continuous learning and innovation.

SPECIAL SEGMENTS

1. Prize Distribution Ceremony

Winners, runners, and all-rounders will be honored.

2. DJ / Celebration Hour

Close the day with beats, lights, and cheers!

CALL FOR PAPERS

We invite you to participate in the Paper Presentation event of MECHFORDGE'25. This platform offers an excellent opportunity to showcase your research, innovative solutions, or conceptual ideas to students, faculty and technical enthusiasts. Participants will be evaluated based on technical depth, clarity and presentation skills. Whether your work is based on recent findings or established studies, this is your opportunity to share and make a meaningful impact.

THRUST AREAS

- Advanced Manufacturing Processes
- AI for Mechanical Engineering
- CAD/CAM/CAE/CIMS/FMS
- Computational Fluid Dynamics
- Computer-Aided Metrology
- Conventional Machining Processes
- Composite Materials
- Design for Manufacturing and Assembly
- EV, AV and Hybrid Vehicles
- Fluid Power Engineering
- Hydrogen Technologies
- IC Engines & Alternative Fuels
- Industrial Automation & Robotics
- Life Cycle Design of Products
- Machine Vision
- Mechatronics, MEMS, NEMS
- Micro/Meso/Macro/Nano-Machining
- Mono and Multi-Objective Optimizations
- Renewable Energy Systems
- Reverse Engineering, RPT and 3D Printing
- Sustainable and Green Engineering
- Mechanical and all allied Engineering

REGISTRATION & ACCOMMODATION

- Solo Access – ₹177 per day
- Duo Access – ₹236 per day
- Trio Access – ₹354 per day
- Squad (4+ Members) – ₹118 per head per day
- **Accommodation:** ₹250 per person per day with prior intimation

Includes complete entry to all symposium events for that day.

OUTCOMES OF MECHFORDGE'25

• Showcase Your Talent

Present your ideas, skills, and creativity in front of peers, faculty, and industry guests.

• Network with the Best

Connect with students from other colleges, build friendships, and grow your professional circle.

• Win Prizes & Recognition

Compete in exciting events and win cash prizes, certificates, and goodies.

• Learn & Upskill

Participate in workshops and tech events to gain real-world knowledge and hands-on experience.

• Fun, Vibes & DJ

Enjoy two thrilling days of learning, laughter, music, and celebration—MECH style!

CONTACT US:

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Dr. K. Parthiban (+91 9626523917)

Mechforge2k25@gmail.com

Visit us: mechforge.site

 **MECHFORDGE2K25**



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16 & 17

SEPTEMBER 2025

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MECHFORGE '25

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CO-CONVENERS

Dr. P. Vijayasarithi, Dean-IQAC
Dr. M. Gopinath, Dean-CCA
Dr. R. Palanisamy, HoD (Mech)

LUNCH
PROVIDED

DAY ONE

PAPER PRESENTATION
CADD WARZ
QUIZ & CONNEXIONS
BOTTLE LAUNCHERS
WORKSHOP: AEROX

DAY TWO

RC RUSH & 3 MIN FILM
DANCE O'MANIA
VOICE & VERSE
FORGE'S GOT TALENT
DJ EVENING

FACULTY COORDINATORS

Dr. S. Rajamanickam, Asst Professor +91 80560 36899
Dr. K. Parthiban, Asst Professor +91 96265 23917

STUDENT COORDINATORS

Mr. A. M K Masthan, Secretary +91 98405 53232
Mr. R. Himalan, Joint Secretary +91 95004 15647

FOR QUERIES

FEES

SOLO PASS - ₹177 PER DAY
DUO PASS - ₹236 PER DAY
TRIO PASS - ₹354 PER DAY
SQUAD (4+ MEMBERS) - ₹118 PER HEAD PER DAY
ONE FEE COVERS ALL EVENT FOR THAT DAY



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MECHANICAL DEPARTMENT PROUDLY PRESENTS



MECHFORGE '25

FORGING THE FUTURE OF ENGINEERING

PAPER PRESENTATION

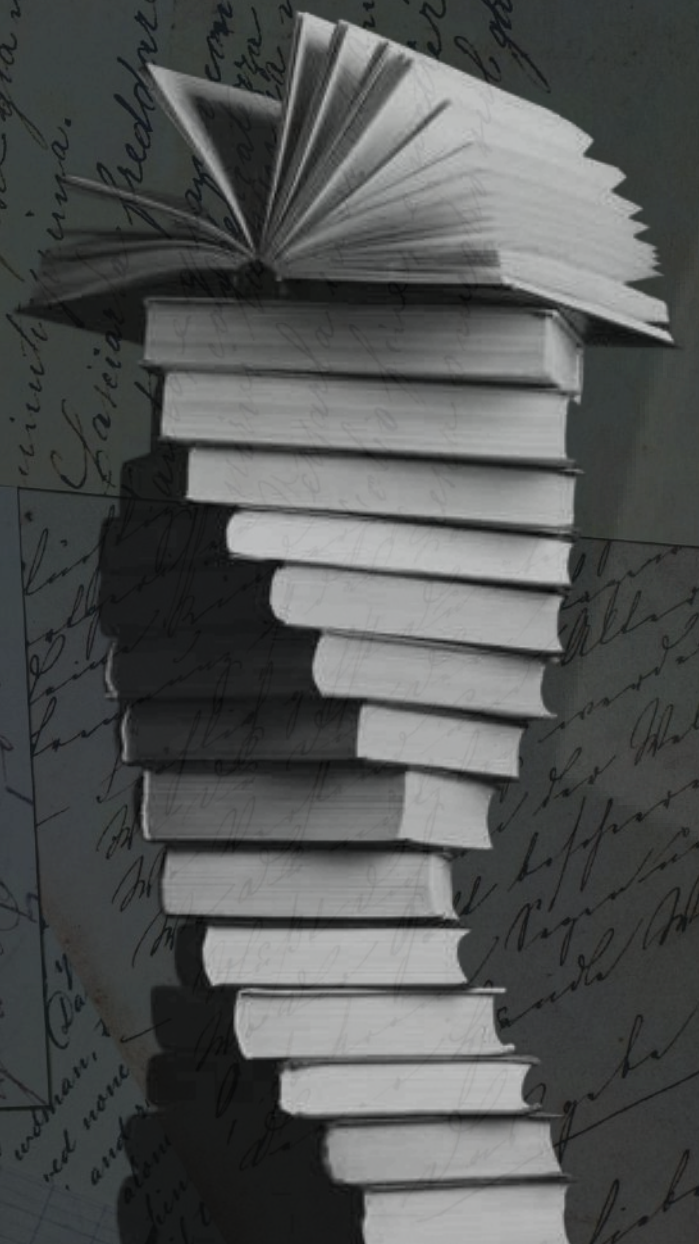
16
SEPT
2025

ABOUT

The Paper Presentation at Mech Forge '25 offers students a platform to showcase innovative ideas, research, and technical insights, promoting creativity, knowledge sharing, and real-world engineering application.

INSTRUCTIONS

- Each team can have a maximum of 4 members.
- Maximum 8 minutes of presentation.
- Maximum of 7 slides.
- All participants must be present during their scheduled slot.



ACCESS PASS FEE STRUCTURE

ONE REGISTRATION COVERS ALL EVENTS

LUNCH INCLUDED!

SOLO ACCESS – ₹177 / DAY

DUO ACCESS – ₹236 / DAY

TRIO ACCESS – ₹354 / DAY

SQUAD (4+ MEMBERS) – ₹118 PER HEAD / DAY

FOR MORE INFO

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HIMALAN R

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THIRUMURTHY T

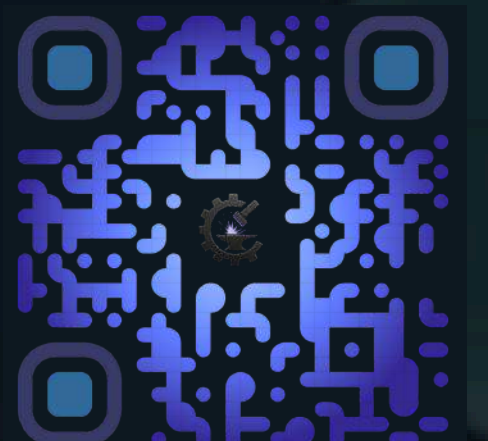
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AVADI - 600062

REGISITER HERE





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CADD

Work

16
SEPT
2025

ABOUT

Mech Forge '25 is a flagship mechanical design event hosted by VTHT, celebrating the innovation, creativity, and technical excellence of our students. Through real-world challenges and design showcases, it brings engineering concepts to life where ideas are forged into technology.

EVENT FLOW

STAGE 1
PRELIMS (MCQ)
STAGE 2
MODELING
ROUND
ON EVENING
PRIZE
DISTRIBUTION

INSTRUCTIONS

- Participants must bring their own personal laptop with software & mouse.
- The event is individual-based.
- Even venue and details will be share through whatsapp group.
- Mobile phones & External connecting devices is Strictly Prohibited.

FOR MORE INFO

KATHIRAVAN G +91 63846 47323
MANIGANDAN +91 99945 68035
NITHISH KUMAR +91 81481 12437
Department of Mechanical Engineering
Vel Tech High Tech
Avadi, Ch - 600062

ACCESS PASS FEE STRUCTURE

One registration covers all events
lunch included!
Solo Access – ₹177 / day
Duo Access – ₹236 / day
Trio Access – ₹354 / day
Squad (4+ Members) – ₹118 per head / day

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MECHANICAL DEPT PROUDLY PRESENTS

MECHFORGE '25

FORGING THE FUTURE OF ENGINEERING



16

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QUIZ

ABOUT

MechForge, proudly presents the Technical Quiz an exciting battle of brains, designed to challenge your knowledge, speed, and problem-solving skills in the world of mechanical engineering. From core concepts to current innovations, this quiz will test not just what you know, but how fast you think.

EVENT FLOW

ROUND 1

ROUND 2

ON EVENING
Prize Distribution

INSTRUCTIONS

- *Maximum 2 participants per team*
- *Strictly no gadgets or external help*
- *Think before you answer – no second chances*
- *High scores take the lead – stay sharp!*
- *Breaking rules leads to instant disqualification*

FOR MORE INFO

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SHAALINI SJ +91 88385 65482

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Avadi, Ch - 600062

ACCESS PASS FEE STRUCTURE

One Registration Covers all Events
Lunch Included!

Solo Access – ₹177 / day
Duo Access – ₹236 / day
Trio Access – ₹354 / day

Squad (4+ Members) – ₹118 per head / day



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MECHANICAL DEPARTMENT PROUDLY PRESENTS

MECHFORGE '25

FORGING THE FUTURE OF ENGINEERING



16 sept
2k25

CONNECTIONS

ABOUT

Mech Forge'25 is an engaging and thought-provoking activity designed to test your analytical thinking, visual interpretation, and engineering knowledge. The goal is to identify the single concept or term that connects all the clues.

EVENT FLOW

ROUND 1

Mind Mechanix

ROUND 2

Logo Lockdown

ON EVENING

Prize Distribution

INSTRUCTIONS

Maximum 3 members to participate in this event

Event venue and details will be share through whatsapp group

No external help is allowed and will be strictly disqualified

FOR MORE INFO

YUVAN SRINATH R : +91 90806 77134
SATHIYAPRIYA J

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ACCESS PASS FEE STRUCTURE

One Registration Covers all Events

Lunch Included!

Solo Access – ₹177 / day

Duo Access – ₹236 / day

Trio Access – ₹354 / day

Squad (4+ Members) – ₹118 per head / day



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MECHFORGE 25

FORGING THE FUTURE OF ENGINEERING



WORKSHOP

16 SEPTEMBER 2025

AEROX: BUILD, BALANCE & FLY YOUR OWN UAV

ABOUT : AEROX

AeroX is an interactive workshop designed to teach you how to build, balance, and fly your own unmanned aerial vehicle (UAV). This hands-on experience is perfect for beginners and enthusiasts alike, covering essential UAV assembly, flight mechanics, and safety principles. The workshop culminates with a fun and practical activity where you will build and fly your own UAV mini glider, applying the concepts learned throughout the session.

HIGHLIGHTS

Explore the fundamentals of UAV technology and aerodynamics with the Design Thinking Club. Gain hands-on experience in building, balancing, and fine-tuning an aircraft model. Conclude the workshop by crafting and flying your very own glider, which you can take home.



ORGANIZED BY DESIGN THINKING CLUB

FOR MORE INFO

JOYAL JEFFERSON 73059 20480
ASWIN SHINGARAVEL 86108 50079

Department of Mechanical Engineering
Vel Tech High Tech
Avadi, Ch - 600062

ACCESS PASS FEE STRUCTURE

ONE REGISTRATION COVERS ALL EVENTS
LUNCH INCLUDED!

SOLO ACCESS - ₹177 / DAY
DUO ACCESS - ₹236 / DAY
TRIO ACCESS - ₹354 / DAY
SQUAD (4+ MEMBERS) - ₹118 PER HEAD / DAY



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17
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2025



DANCE MANIA

ABOUT

The Dance Event at Mech Forge '25 provides a vibrant stage for students to express their passion, talent, and creativity through movement. Celebrating rhythm, culture, and performance, it encourages self-expression, confidence, and artistic excellence in a spirited and energetic atmosphere.

INSTRUCTION

- Participation can be solo, duo, or group (maximum 12 members per group).
- Audio tracks must be submitted in MP3 format at least 1 day before the event.
- Prizes will be awarded for the best performances.
- Judging will be based on creativity, expressions, energy, and stage presence.
- Vulgar or inappropriate moves, lyrics, or gestures will lead to disqualification.
- The decision of the judges will be final and cannot be changed.

FOR MORE INFO

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ACCESS PASS FEE STRUCTURE

One registration covers all events
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Solo Access – ₹177 / day

Duo Access – ₹236 / day

Trio Access – ₹354 / day

Squad (4+ Members) – ₹118 per head / day

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FILMOGRAPHY



ABOUT : FILMOGRAPHY

This 3-minute short film contest is a platform for creative minds to showcase their storytelling skills. Participants can submit films of 3 minutes or less, either by uploading them to their YouTube channel or sharing them directly. Open to all aspiring filmmakers, this contest encourages innovation and expression. Grab the opportunity to impress the judges and win exciting prizes for your cinematic vision!

INSTRUCTIONS

Films should be 3 minutes or less in duration.
Submissions can be made directly or via a YouTube channel link.
Teams must register based on the number of participants attending.
Submission deadline: 16.09.2025

ACCESS PASS FEE STRUCTURE

ONE REGISTRATION COVERS ALL EVENTS
LUNCH INCLUDED!

SOLO ACCESS – ₹177 / DAY

DUO ACCESS – ₹236 / DAY

TRIO ACCESS – ₹354 / DAY

SQUAD (4+ MEMBERS) – ₹118 PER HEAD / DAY

FOR MORE INFO

MOTHILAL S
P S ISWAR SAKTHIVEL

97890 32625
73055 60905

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Vel Tech High Tech
Avadi, Ch - 600062



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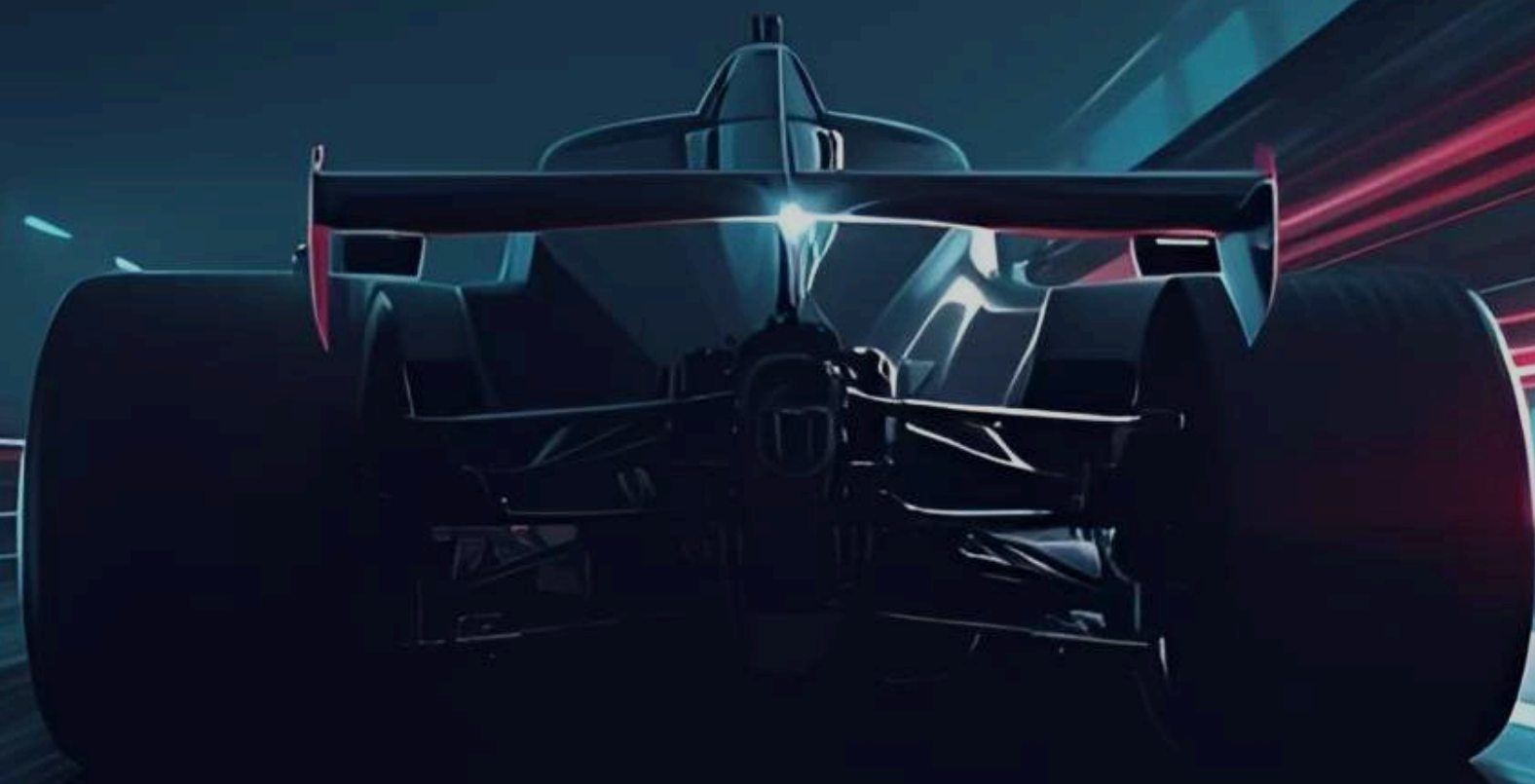


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RC CAR RUSH



ABOUT THE EVENT – RC CAR RUSH

Get ready to feel the thrill of speed and precision at RC Car Rush, an electrifying racing event where miniature machines create massive excitement! Participants will showcase their custom-built and high-speed RC cars on a challenging track filled with sharp turns, straights, and obstacles. It's not just about speed – strategy, control, and driving skills will decide who takes the crown.

INSTRUCTION

Participants must bring their own RC car – no cars will be provided.

Each racer will compete individually against the clock.

The fastest lap time decides the winner.

Cars must remain within track limits; going off-track adds penalty time.

Each participant gets only one retry in case of technical issues.

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TRIO ACCESS – ₹354 / DAY

SQUAD (4+ MEMBERS) – ₹118 PER HEAD / DAY

FOR MORE INFO

KARTHIKEYAN M
SANTHOSH S

63793 86976
90031 36983

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Vel Tech High Tech
Avadi, Ch - 600062



REGISTER HERE !

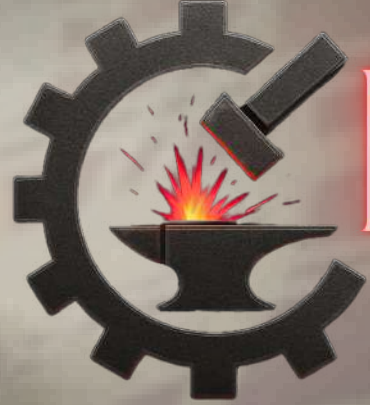


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MECH FORGE '25

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VOICE & VERSE

17
SEPT
2025

Sing Your Story, Own the Stage

ABOUT

Voice & Verse at Mech Forge '25 is a soulful singing competition celebrating musical talent and vocal artistry. Whether performing solo or as a group, participants will showcase melody, and stage charisma. The event aims to blend rhythm and emotion, giving every voice a stage

INSTRUCTIONS

- Solo or group participation is allowed (1-4).
- Participants must bring their own instruments or karaoke tracks in MP3 format.
- Performance time limit: 4-5 minutes per entry.
- Prizes: 1st & 2nd place- awarded to the Best Performances (solo or group).

FOR MORE INFO

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FORGE'S GOT

TALENT

STAND-UP COMEDY

MIMICRY

MAGIC TRICKS

FREESTYLE

ABOUT

Forge's Got Talent at Mech Forge '25 is more than just a stage it's a celebration of creativity, energy, and student spirit. It's where hidden talents shine and passion takes the spotlight. Inspired by popular shows, this event brings our performances that truly connect with the crowd.

17
SEPT
2025

INSTRUCTIONS

- Open to solo and group performances (1 - 5)
- Bring your own instruments, props, and tracks (MP3 format).
- No vulgarity or offensive content allowed.
- Judging based on creativity, stage presence, audience engagement, and skill.

FOR MORE INFO

SREE RAM +91 94447 16458
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Avadi 600062

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