ashwa

MOBILITY FOUNDATION

To the last mile of mobility!



FEBRUARY 2023 EDITION

LIVE IT. LOVE IT. RACE IT.

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Ashwa Mobility to the last mile!

We are a team of mobility enthusiasts who are driven to solve the last mile mobility problems.
The range of projects that are being built in Ashwa Mobility are all aiming towards solving the mobility problems of the future, ranging from intercity to intracity, from the neighborhood to the doorstep.



RACING TO MOBILITY



FS HYBRID



FS COMBUSTION



FS ELECTRIC



OSV



HYPERLOOP



MOTOSTUDENT

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Racing & Mobility Projects

Formula Student (FS)

The Ashwa FS team is the foundation on which AMF has been built. It all began with the first combustion prototype in 2005. Since then, as our vision has expanded from Racing to Mobility, so have we as a team.

The Ashwa FS Team now works on three projects-

- FS Combustion
- FS Hybrid
- FS Electric







Our prototypes have been consistently participating and winning in competitions at the national as well as international level. We are recognized as holders of the fastest acceleration at Formula Bharat, of just 4.259 seconds! Ashwa also stood first overall at Formula Hybrid, USA 2021- for the second time in a row. The FS team continues to work towards contributing to the electric mobility revolution.

FS- Combustion **FS- Hybrid** **FS- Electric**

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Racing & Mobility Projects

Open Source Vehicle (OSV)

Our OSV program aims for a greener future with it's electric fundamentals enforcing our vision of mobility to the last mile!





Open source vehicle is a concept that aims at providing a baseline structure that will have all the electromechanical components that are needed to run a car. This structure is called the ladder. The cockpit is also designed based on the needs of the driver, but each design of the cockpit will not be the same or for the same customer. Depending on the usage, the designs will vary. The prototype is built around the the rules and regulations set by Teknofest Efficiency Challenge, Turkey, to which it must follow all the traffic rules and regulations and drive at a constant speed over 50 kmph.

OSV

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Racing & Mobility Projects

Motostudent (MST)

Our MotoStudent Team deals with Motorbike Combustion and Electric prototypes. The team is currently working to build the prototype that we hope to compete alongside other prototypes internationally.





Having designed an in-house suspension setup as well as the intake and exhaust manifolds, we are working passionately to achieve our vision.

The MotoStudent team intends to soar and reach new heights in engineering design and application of motorbikes.

MST

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Racing & Mobility Projects

HYPERLOOP (HYL)

The Ashwa Hyperloop Project aims at building a fully-electric and energy-efficient operations that turns out to be a climate-neutral over the years.



We intend to contribute to the development and innovation of a Hyperloop system and to work on an underdeveloped technologies and establish a research base for further transformation. The team is currently in the final stages of the development of the in-house Linear Induction Motor, designing of an open-source suspension model for Hyperloop prototypes, and development of the Hyperloop Test track and Vacuum tube infrastructure.

HYL

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Recruitment Drive



Since the last issue of our newsletter, the team has gone through three rounds of successful recruitment. In terms of participation and enthusiasm, Ashwa is continuously growing!
We see more and more students share the same passion and zeal that the team started with.

The recruitment process includes an aptitude test that a multitude of students take. This tests their analytical problem solving skills.

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The aptitude test is followed by a personal interview to gauge the individual's interest and commitment to the team, we also understand their ability to think on their feet.

This carefully curated process leaves us with energetic students that are sure to make valuable contributions to Ashwa as a whole!



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Meet the Tech Team Pillars | 2023 Batch

Kalash Shetty | Team Captain- FS



From being a car enthusiast since my childhood, it was a dream of mine to be able to build a racecar and drive one and Ashwa was the only place to do so. I've been a part of the organization since my first year of college and during my tenure, I've seen and learnt how a hard working team who have always worked on-site be able to quickly adjust to the online mode over a span of a short time and have been able to adjust to the any given environment at any given time. I was an introvert who had the fear of talking to people and once I came into the team I was treated as a family member and never as a fresher. This team has shown me a lot about how life is out in the world and taught me different life lessons which has made me a totally different person than I was when I had just joined in. It has helped me open up my creativity and technical abilities overall. Lastly I would like to thank my team who always believed in my leadership under the guidance of our coach Mr. Arunraj. I'm proud to be a part of an organization of such legacy and achievements it's conquered. This Team has my heart and always will. LIVE IT! LOVE IT! RACE!



Bhuvan Doreswamy | INT Electrical Lead

My journey in Ashwa has been a roller coaster ride, as I have worked on both OSV and FS, contributing significantly to the designs of all prototypes involved. All my work is based on continual improvement and making sure that the same mistake is never repeated again. Although being an electrical and testing member, I have worked extensively on DT, suspension, engine... too. Working in FS gives us an opportunity to fuel our passion for motorsport. It is an amazing experience to work on cars with the same handling and power to weight ratios as super cars. Working for multiple subsystems gave me the opportunity to clearly understand the vehicle dynamics of the car, thus enabling me to become a great driver for the team. I'm currently working with the team to get the FS electric prototype up and running and it's my goal to make that happen during my time in Ashwa.

Rakshith MM | ELE Electrical Lead



Getting recruited into Ashwa Mobility Foundation would be one of the best things that has happened to me in college. When my batch was in 2nd year Covid hit and our training was completely online. After offline classes resumed, we started going to the workshop and helped our seniors build the combustion prototype, parallelly our team started to rebuild the series hybrid vehicle. The learning which happens here, in the workshop and in the team is much more than what happens in a so-called classroom. I really owe a lot to Ashwa for teaching me things which were way out of my league, which I thought I would never learn or encounter, the numerous problems which the car posed, the way we handled them, late night stays in the workshop, team bonding sessions, company and industry visits, display events, are only a few of the things which I got to do during this time. I am really happy and proud as my understanding about cars, which I am very passionate about has increased very much. I hope the juniors will continue the legacy of Ashwa and I wish them the very best.

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Meet the Tech Team Pillars | 2023 Batch



Pratik Seetharam | Chief Engineer - FS

I was always a massive fan of sports and being an engineering graduate Formula Student was a no-brainer. My time at Ashwa has taught me not only a lot of technical skills but also taught me about team dynamics. I feel the latter is the most essential part of the journey in Ashwa, where you understand how it is to be part of a team and understand the importance of each and every skill that one might have thought is useless due to pre-concieved notions. During my tenure we were unfortunately hit by COVID-19 and things didn't go according to plan, but with the support of the team, seniors and our mentor Mr. Arun Raj, the learning process was not halted. I hope that the vision of the club is intact and the batches to come materialise the vision.

Yash Naik | ELN Electrical Lead

Hi I'm, Yash Naik, I have had the privilege of learning and contributing to the development of formula student prototypes such as FS Hybrid, FS Electric, FS Combustion, and Open Source Vehicle. The support and guidance of my team members and seniors have been a driving force in my passion for this work. Being a part of this club has taught me the importance and joy of working as a team. The hands-on learning and exposure I received while working on various prototypes was invaluable, and I am grateful to Ashwa for providing me with such an opportunity and platform. From building prototypes to participating and winning in national and international competitions, team bonding sessions, the adrenaline rush of riding a formula style race car, and being a part of such an amazing legacy, this experience has been a real joy.





Tejas Mehta | TEL Electrical Lead

Hi, I'm Tejas Mehta. I have been working and contributing as a member of the Electrical & Testing Subsystem where I have contributed on various projects like the FS Hybrid, FS Combustion and FS Electric. My tenure in the team has been holistic experience, allowing me to learn more about how to design, develop, implement and test electrical systems for formula student prototypes. Being a part of this team inculcated a sense of belonging and created an environment for learning and thriving which has been the greatest outcome of all these years. My passion for motorsport has been a great boost and driving factor in my time in the team. I am proud to share the legacy of winning several competitions and proving our hard work as a team in international competitions with those before me and may it inspire those who come after.

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Meet the Tech Team Pillars | 2023 Batch

Tarini Athicom | Team Captain- OSV



HI, I am Tarini, This platform helped me nurture both my technical and managerial skills, providing a strong connection between my classroom education and practical experience. Through the opportunity to collaborate with a team towards a specific goal, I was able to meet and work with wonderful people, pushing me out of my comfort zone. As a leader, one of the most challenging tasks was motivating my team members to actively participate during the pandemic. However, this experience pushed me to push myself and others to keep going. I am excited to see how the juniors will shape this project and its impact on society. I am grateful for the opportunity to have made a positive contribution as a part of this journey.



Mohit Nigam | Team Captain- HYL

Mohit is appointed as the Team Captain for the Hyperloop project. He has a clear vision for taking Ashwa Racing to new heights and is a conscientious and dedicated member with strong leadership skills. Mohit is an excellent listener and makes informed decisions about various tasks, leading by example to encourage team members to do their best. He is fully committed to the organization and passionate about racing technology. He is adaptable to any situation and maintains a positive attitude. He is a motivator and inspires team members to reach their full potential. He is inquisitive and always questions what is told to him, never accepting simple instructions. He is able to make quick decisions and can always be relied upon to do what is best for the team as a whole.

Ashwin Nair | Team Captian-MST

Ashwin is the Team Captain and one of the founding members of Ashwa MotoStudent. He is driven and dedicated towards ensuring that the project lives up to its true potential and to push towards Ashwa being in the forefront of mobility. He is also very hands on when it comes to the managerial roles of the team and helps to make the best out of every situation. He is also bold, takes complete accountability and leads from the front in every situation.



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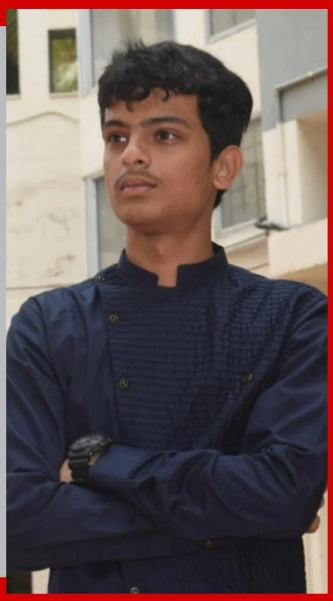
Meet the Tech Team Pillars | 2023 Batch



Dhruv Khatri | Chief Engineer- OSV

Hi, this is Dhruv Khatri chassis member for the OSV project. I have been a part of Ashwa for the last 3 years, I still very well remember where this journey started, we worked as helpers to our seniors with their projects and slowly and gradually learned every bit and piece about the car and the environment. The club really works as an organisation with multiple subsystems and projects. As a chassis member, I got the opportunity to understand the entire vehicle and what every other subsystem had to offer. We researched to build a better frame and get the best out of what we had, we met different professionals in the manufacturing sectors, learnt the way an industry handles an issue and got to represent the club and the college at so many different levels. The club taught me that what you bring to the table collectively as a team matters a lot more than what an individual has to offer.

Gautham Mayur N | Chief Engineer HYL



I am the First Chief Engineer of the Hyperloop project of Ashwa Racing. I have seen this team grow from its conception 2 years ago, to what we have today, and am proud to be a part of the team's journey. I consider myself as a person who imagines a vision much bigger than most people, and then chases after that vision to make sure we create something worth more than the effort we put into the project. I am extremely energetic as a person and try to emanate this positive energy throughout the team to make sure we all believe in the collective vision. I truly believe, only if everyone believes in a single vision, can we succeed as a team collectively. I'm extremely passionate about futuristic technology and the thought of creating something as futuristic as the Hyperloop is what keeps the team going forward. Our team has faced a lot of different issues along its journey, and with the adaptability and passion of the members we have moved forward successfully. I feel we must all push and be persistent to reach our maximum potential, to ensure the project we create exceeds the targets we set for it



Harshith | Chief Engineer- MST

Hi, I'm Harshith, the Chief Engineer of the Motostudent 2023 Project. I helped setting the technical foundation for my teammates and helped in the initial development of many of the subsystems. This helped me achieve a detailed understanding of every part of the bike making me fit for the Chief Engineer. I helped to coordinate between various subsystem teams. I was able to make sound technical decisions while taking into all the affecting factors which makes me adept at handling difficult situations. I also listen to the opinions of every team member and make sure that every person has a voice in the team. This makes me worthy of the Chief Engineer postion and helping in the technical development of the Motostudent Project

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Meet the Managerial Pillars | 2023 Batch

Likhith Madhav | Head of Finance & Steering



Hi, I am Likhith Maadhav. I was assigned as the head of Finance & Steering for the batch of 2023 of Ashwa Racing. With the team, I have worked on multiple projects such as the FS Hybrid, FS Combustion and FS Electric. Ashwa Mobility gave me that engineering experience that we missed out on while at home as well as shined light on my passion for motorsports as a pastime. It allowed me to learn a lot more about modern mobility technologies, the logistics and team management of an organisation of such magnitude and fame

Harshitha M | Head of SMP | Team D



Words can't express how Ashwa have had a great impact in my career and life!

Hello there, my name is Harshitha M, currently a final year IEM undergrad at RVCE and it gives me immense pleasure leading the Sponsorship, Marketing, and PR (SMP) Team for past 2 years at Ashwa Racing, RVCE. I have always had a passion to manage things wisely as an academic student and in my personal life too which is why I'm fond of managerial roles and it was during my 2nd year I grabbed this excellent opportunity to join Ashwa SMP, one of the best choices I have made in my engineering life. The professional exposure & experience before actually getting into the corporate world is one of the bestest takeaways. My profound thanks to Arunraj Subbaraj, the founder of the organization and to my reciprocal seniors and teammates for all my learnings fine-tuned today. Looking forward to seeing the high-yielding and striking performances by the upcoming batches and glad to contribute in a way possible!

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Meet the Managerial Pillars | 2023 Batch



Pranavi K | Team A SMP Lead

I'm Pranavi Kotapati and I've been a part of ashwa mobility for the past 3 years. I never really thought joining a club would teach me so much in such short span of time. I've always admired the way this club works, it is so well organized and all the verticals responsibilities are so well thought and specific. As a part of SMP, I got to interact with so many professionals across different sectors, attended expos, got to represent ashwa in so many presentations and meetings. This experience has truly given me so much confidence and has developed my communication skills immensely. Working with a full fledged team with different subsystems is a real experience. Being a part of the team is real joy.

Rajat Dhruva | Team B SMP Lead

Hi I am Rajat Dhruva, I am part of Sponsorship, Marketing and Public Relations and Team B lead. Being a motorsport enthusiast, I have always been amused by the working of a car and this helped me realize my potential in management. Ashwa Mobility has helped me nurture my business and managerial calibre. Being a part of the Ashwa's ecosystem has not only restricted me to the managerial side but also has helped me enhance by technical knowledge and have hands on experience in developing a prototype. I am Proud to be a part of this team which has such a legacy and will always have my heart. Mobility to the Last Mile!





Neeraj S | Team C SMP Lead

Hey there, I am Neeraj and I am currently in my final year, pursuing mechanical engineering. I have always had a keen interest in understanding the ins and outs of how businesses function, especially the fundraising activities which led me to join the sponsorship team. I am responsible for raising funds to support the engine and drivetrain subsystems. I am process driven, and I am also responsible for managing the social media content. I've been helpful in navigating and guiding through the last-minute problems that arise throughout the timeline.

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Electronica at Bangalore International Exhibition Centre | Dec- 2021

Networking opportunity with potential sponsors at Electronica, BIEC expressing the vision of the Mobility Engineering Team, Ashwa Mobility, RVCE. Interaction made with over 100+ companies belonging to electric and electronic sectors and exposure to the corporate world through various innovative products.



The fair takes place in conjunction with productronica India and presents the entire value-added chain of the electronics industry.

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WORLD'S LEADING TRADE FAIR AND CONFERENCE FOR ELECTRONICS







This event at BIEC not only let the team explore with networking opportunities besides, exposed to the current trends and technology in the field of Electronic Industry

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Display Events



Ashwa Mobility's "Display Event" serves as the first introduction of the club to the freshers, and it is a great opportunity for them to learn about the various opportunities available to them to get involved with the club. The event is designed to showcase the work that the club does and the various projects that they have undertaken in the past.

In addition to learning about the technical aspects of building a prototype and the various opportunities available to them to get involved with the club, the freshers also have the opportunity to learn about the culture and community within the club. They can see the team work, leadership, determination, and passion required to be a part of such an organization.

Overall, Ashwa Mobility's Display Event is always been of great interest to freshers. This marks the beginning of our recruitment process

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Open Day



Ashwa Mobility is dedicated to fostering a passion for engineering and design in students. One of the ways we do this is by hosting an open day event, where students can come and interact with the club members and take a look at the prototypes that have been developed by the club.

The open day is a great opportunity for students to see firsthand the kind of work that goes into building a prototype and to learn about the various stages of the process. The club members are on hand to answer questions and provide explanations about the various components and systems that make up the prototype. The students are also able to see the results of the hard work and dedication that goes into building a prototype, and they can learn about the various challenges that have been faced and overcome during the development process.

This day also serves as a platform for students to meet and interact with the club members and learn about the various opportunities available to them to get involved with the club. The open day is also a great opportunity for students to learn about the various competitions and events that the club participates in and to learn about the achievements and successes of the club.



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Sponsor Workshop Visit

Bosch India & Bosch Germany Visit



The team organized a workshop visit on May 13, 2022 to showcase our Formula Student Prototype for our existing partner- BOSCH India & BOSCH Germany.

The prototype displayed was a "Series Hybrid Vehicle", which means there is a drive motor which powers the vehicle and the engine recharges the batteries through an alternator. Agni Saeitta 119R motor and alternator with Honda CBR 250R engine forms the powertrain of the vehicle.

The entire presentation covered the highlights of the Team's history, Racing and Mobility projects, Achievements, future goals, technical and functional demonstration of the prototype. The delegates were extremely glad with our technical demonstration followed by technical queries about the vehicle regarding the safety systems, the project timeline, driver selection procedure were presented. The vehicle was driven in front of the workshop and the delegates were happy to see the functional demonstartion.

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A few striking snapshots of the team's fruitful Interaction with Bosch's Top Delegates











The team thanks BOSCH for visiting the workshop and is grateful for the support and encouragement.

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Here's what our alumnus say

Pranave Nanda | CEO Office at TCS | IIM B'lore

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HR & Drive Train | 2019 Batch



Introduction:

Having been a part of the Drivetrain and HR subsystem in Ashwa, life took me through an entirely different trajectory – traversing B-school and landing up in an entirely different sector altogether, not unlike most engineers. I currently work in the CEO's Office at India's largest IT services company as a business consultant. But make no mistake, I've carried my learnings from Ashwa Racing like a talisman and that has played a pivotal role in helping me face the challenges of the real world.

What motivated you to be a part of Ashwa Racing?

When I joined college and heard about this entirely student-run project building such fascinating prototypes from scratch, my excitement knew no bounds! I visited the Workshop Open Day in 2015 (full circle, I ended up organizing it the very next year) and was astounded by the contraptions at display, the adventures, and the laurels it bagged for the institution. I felt it could help me explore and improve on my skills, as working with an aspirational bunch of individuals can only assure a positive learning experience. And I was blessed with a talented, gritty bunch of teammates and seniors to whom I'm always grateful.

What were the highlights of your time at Ashwa Racing?

There have been many, without a doubt. Two moments of pride were representing not just the college but the collective Indian student fraternity in the USA at Formula Hybrid, and the sense of pride my parents felt during the launch events of our prototypes. The late nights of testing and ordering pizza, the fresher orientation events that were mostly house full, representing the team in expos and sponsor meetings, and the sojourns to KR Market and Rajajinagar for troubleshooting were experiences I will always cherish!



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What was your experience like, and what did you learn?

Ashwa Racing epitomized rigour at the get-go: what we fondly call ‘the rubber meeting the road.’ As is the case new joiners, my team and I were tasked with the so-called ‘menial activities’ like sorting fasteners and cleaning the workshop (it was only later when I realized that the exercise helped imbue a sense of ownership). That surely humbled me. and I got to explore not just my own module, but other subsystems of the car. Getting things right not just involved getting the team to work, but there were a lot of external dependencies too- be it the college administration, our sponsor firms, or even a fasteners vendor at KR Market. Managing The prototype is ultimately an amalgamation of not just the team’s brilliance, but the collective incompetence too.



What advice would you like to give to the current team and students in engineering?

As students, we tend to get embroiled in a rat-race when it comes to our careers, and we forget to enjoy the journey. I don’t subscribe to the idea of pontificating too much, but going out of your comfort zone, continuously learning, and trusting your instincts can take you very far. I remember vividly how we used to crack a joke or two about how every technical and cultural club used to put ‘passion and enthusiasm’ as the only criteria required to be a part. And trust me on this, those are the only two things you’ll need to sustain not just in clubs, but in any endeavour (temper it with some discipline, and you’ve got yourself a recipe for excellence!)



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Ashwa's Triumphs of Persistence

Our Team clears all 3 stages of the European Hyperloop Week (EHW) Competition i.e., **first edition of EHW in July 2021.**

Ever since the competition is launched, our team has **successfully ranked in the top 20 position as finalists past 2 race seasons** out of 30+ other teams participated across the world. The team currently aims at developing in-house components under main 4 verticals of the competition which are- Electrical, Brakes, Suspension, and Chassis and looking forward to participate in technical demonstration besides conceptual showcase of the EHW edition.



Team's virtual presence at EHW 2021 1st Edition



Ashwa Hyperloop Team at EHW 2022 2nd Edition

Ashwa Mobility's consistent innovation in sustainable mobility to the last mile in domain of urban, rural and mass rapid transit, powers it racing division Ashwa Racing to participate in all 3 Powertrain Combustion, Hybrid and Electric eventually leading to Hydrogen Energy based mobility. Ashwa Racing competes in Formula Student Series Competitions for Single seater Race cars, Open-Source Vehicle in Electric Driver and driverless system, Motostudent representing two-wheeler segment and Hyperloop pod racing representing Land Mobility and not limited to Air, Sea, and Space in the coming years.

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Ashwa's Triumphs of Persistence



Team Photo at Formula Bharat 2022 Competition, Kari Motor Speedway, Coimbatore

Ashwa bags 3 awards marking yet another milestone at the Formula Student India Event 2022, Coimbatore, Tamil Nadu after the Formula Hybrid's victory. The 3 awards for the combustion prototype (RZ-XX2C) - Best Powertrain Award, First Place at Engineering Design Event, Runner-up at Business plan event have played a crucial role for the team to prepare for the upcoming events held across the world.

Our faculty advisor, Dr. Ravindra S. Kulkarni expresses on this achievement - "I am really happy that Team Ashwa Mobility has won three awards besides getting 4th overall position at the national event in Coimbatore. The achievement is commendable since it is achieved during these uncertainties and troubled times of the pandemic. Many thanks to the Principal, authorities, and sponsors for their kind support and encouragement"





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Ashwa's Triumphs of Persistence



The team showcases a glint of its racing division Ashwa Racing triumph in its virtual season of **Formula Hybrid Competition held in 2021 at the New Hampshire Motor Speedway, USA.** Ashwa Racing represented Ashwa Mobility, RV Education Institution and India at this event. A concerted attempt of mobility engineering enthusiasts at this International competition ended on a high note with the team bagging

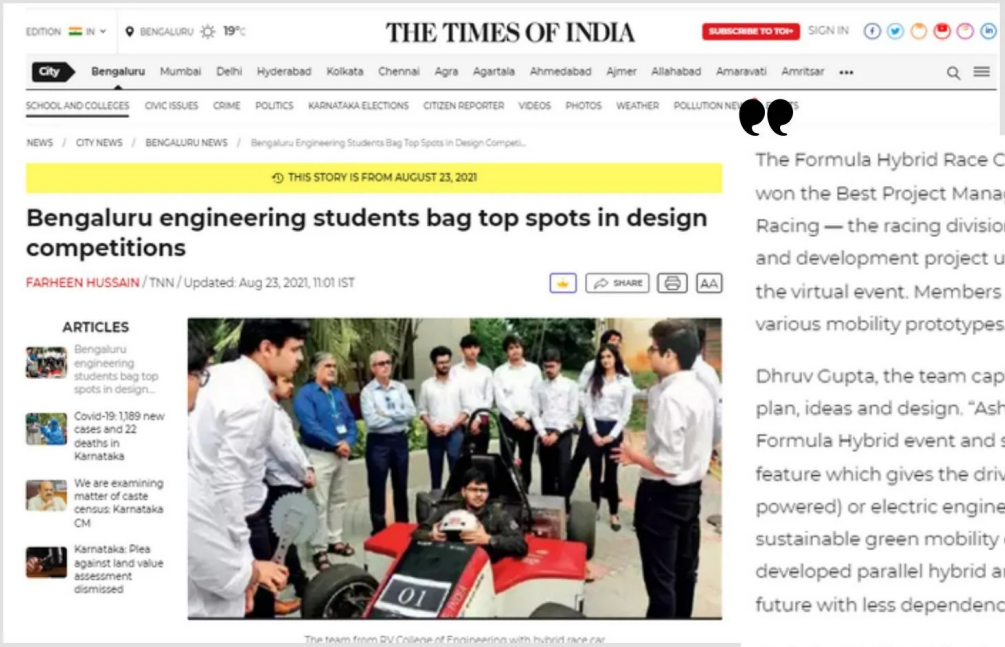
3 International Awards- BEST PROJECT MANAGEMENT AWARD, 2nd in ENGINEERING DESIGN EVENT and 1st in OVERALL PERFORMANCE OF THE TEAM.

Ashwa Racing has been representing Ashwa Mobility, RV Education Institution and India in various Mobility design competitions across the world in USA, Italy, Germany, Australia and more ever since its inception in 2005. Having secured a podium in each season since 2017 at the Formula Hybrid event, Ashwa Racing has consecutively bagged 1st position in 2020 and 2021.



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Ashwa's Media Presence & Coverage



THE TIMES OF INDIA

Bengaluru | Mumbai | Delhi | Hyderabad | Kolkata | Chennai | Agra | Agartala | Ahmedabad | Ajmer | Allahabad | Amaravati | Amritsar

NEWS / CITY NEWS / BENGALURU NEWS / Bengaluru Engineering Students Bag Top Spots In Design Competi...

THIS STORY IS FROM AUGUST 23, 2021

Bengaluru engineering students bag top spots in design competitions

FARHEEN HUSSAIN / TNN / Updated: Aug 23, 2021, 11:01 IST

ARTICLES

- Bengaluru engineering students bag top spots in design...
- Covid-19: 1,189 new cases and 22 deaths in Karnataka
- We are examining matter of caste census: Karnataka CM
- Karnataka: Plea against land value assessment dismissed

The team from RV College of Engineering with hybrid race car

FS Hybrid 2021 victory of the team bagging the "First Place twice in a row" featured in Times of India on August 23, '21

TO READ EACH ARTICLE, NAVIGATE THROUGH HYPERLINK!

The Formula Hybrid Race Car designed by RV College of Engineering students won the Best Project Management award. A team of 29 students from Ashwa Racing — the racing division of Ashwa Mobility Foundation, a student research and development project undertaken by students of the college — took part in the virtual event. Members of the team conceptualise, design and construct various mobility prototypes.

Dhruv Gupta, the team captain, said their prototype won owing to their project plan, ideas and design. "Ashwa Racing has secured a podium since 2017 at the Formula Hybrid event and stood first in 2020 and 2021. This year, our car has a feature which gives the driver a choice to pick a combustion engine (petrol/diesel-powered) or electric engine as per requirement," Gupta said. "A focus on sustainable green mobility development inspired Ashwa Racing to adapt in-house developed parallel hybrid architecture. The design certainly paves the path for a future with less dependence on fossil fuels," he said.

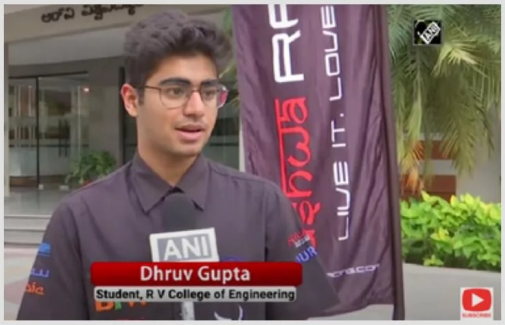
Ravindra S Kulkarni, faculty advisor, Ashwa Racing, and prof and head, aerospace engineering department, RVCE, said the team has come a long way since its inception in 2003.



FS Hybrid Team Captain: Dhruv Gupta expressing Ashwa's mission towards sustainability goals and competition triumphs & journey bagging First Place in the FS Hybrid USA Competition
Media Coverage in Asianet newsable's YouTube, Instagram, and Facebook Platforms on August 25, '21



Powertrain & HR Management Head: Monish C talks about journey from scratch in building FS Combustion car till bagging 3 top awards at the Formula Bharat 2022 Competition
Media coverage in Dialy Salar News on May 2, '22







Students Mission towards "Racing to Mobility" walkthrough talk & highlighting FS Hybrid 2021 triumphs- Featured in ANI News on August 30, '21

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Sponsor Focus

Meritor, Inc. is a company whose expertise lies in the manufacture of automobile parts and components. A large part of their business includes axles, brake and safety systems, drivelines, suspensions, trailers, and aftermarket products for defense industries and commercial vehicles including truck, trailer, bus/coach, and off-highway. Meritor also engineers and has long standing partnerships with OEMs like Volvo, Navistar and Daimler.

CLICK HERE

Texas Instruments Incorporated is an American technological business. It creates and produces integrated circuits and semiconductors, which it then sells to producers and designers of electronics around the world. According to sales volume, it is one of the top 10 semiconductor businesses in the world. Calculators, microcontrollers, and multi-core processors are among the items that TI also makes using its TI digital light processing technology and education technologies. As of 2016, the business had 45,000 patents worldwide. Thanks to TI for their advice and assistance, Ashwa.

CLICK HERE

Germany's Gerlingen is home to the international engineering and technology corporation Bosch. The four business segments of mobility (hardware and software), consumer products (including home appliances and power tools), industrial technology (including drive and control), and energy and building technology make up Bosch's key operational areas. The Ashwa team thanks Bosch for their support and encouragement.

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Since their establishment in 1997, Magod Laser has steadily increased their reputation for competence by assisting clients in implementing laser-based manufacturing processes and applications across a range of industries. Magod has been a tremendous help to the Ashwa team, and we will always be appreciative.

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Fie Tech is an engineering organization engaged in design, fabrication and commissioning of turnkey fiber glass projects in the field of architectural, interiors, landscaping and chemical industries. The company's innovative products range from aesthetic architectural items to rugged marine equipment. FIE-TECH manufactures a wide range of products from fiber reinforced plastic (FRP), custom made products for specific requirements. The company's specialty lies in the in-house design and development of all the products. Ashwa Racing thanks Fie Tech for their continued support towards the team and project.

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Pegasys Systems Pvt Ltd is a company that offers expertise in designing and building PC and PLC controlled special purpose machines. The company caters to the needs of various industries in the field of automobile, electrical switchgear, refrigeration and air conditioning, pharmaceutical and other engineering industries. The company's products are well known for their durability, high efficiency and superior quality. Ashwa Racing is indebted to Pegasys systems for their never ending support towards the team.

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Sponsor Focus

Known to be the largest brake system supplier in India, Brakes India Pvt. Ltd. has over 50 years of experience behind it. Brakes India Private Limited is divided into three primary business units: brakes, foundries, and polymers. The extensive product line includes Dry and Wet multiple plate disc brakes for agricultural tractors, S-cam, Hydraulic drum brakes, Disk brakes, and Electromagnetic Retarders for commercial vehicles, as well as calipers, actuation, drum brakes, valves, hose ABS, and brake fluid for passenger vehicles.They are all set to make their mark on the world platform. Ashwa thanked Brakes India for their continued support to the team.

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Littelfuse, Inc is an American electronic manufacturing company.The company operates between three business unit segments: Electronics, Industrial, and Automotive. They primarily produce circuit protection products but also manufactures a variety of electronic switches and automotive sensors and is considered an industry leader. The support that Ashwa has received from Littlefuse has been incredible and we'd like to thank them for it.

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Log9 Materials are building solutions towards 'Pioneering Responsible Energy'. They are paving a new path by harnessing the power of science for positive change. The innovative, deep tech-driven approach ensures the creation having a significant impact in the future inculcating the habit of "being responsible" at every step by the work done at each step. Ashwa Mobility is grateful to have LOG9 Materials on board for the current race season!

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