



## Fwd: Tata Technologies InnoVent - shortlist announcement for the Finals

1 message



Dear Innovators,

We have some exciting updates regarding the conclusion of Stage 2 - the Virtual POC presentation round of the Tata Technologies InnoVent, our platform designed to empower young engineering students to showcase their innovative projects.

The Stage 2 – Virtual POC Presentation round took place over two days, and it was truly inspiring to witness the enthusiastic participation of 22 teams, comprising 64 young innovators from 20 prestigious institutes in India. The jury panel, consisting of Subject Matter Experts and senior leaders, was highly impressed with your team's technical acumen, depth of subject knowledge, the maturity of your prototypes, and the enthusiasm and confidence displayed.

We are delighted to inform you that your project has been selected as one of the top 10 teams to advance to the Finals of Tata Technologies InnoVent. This prestigious event will take place in December/January, during which you will have the opportunity to present your physical prototypes to our esteemed jury panel. This significant achievement brings you one step closer to competing for the grand prizes awaiting the winners.

In the days ahead, we will be assigning experienced mentors who will assist you in refining your prototypes and providing guidance on how to effectively showcase their uniqueness and scalability and elevate your innovative projects to the next level. Stay tuned for more details as we will be sharing the guidelines for the final demo day and conducting a detailed briefing in due course.

To celebrate your achievement, we have enclosed e-certificate of appreciation for making it to the Finals of Tata Technologies InnoVent and posted on [LinkedIn](#), [Instagram](#), [X](#), [Facebook](#), [GMB](#) (Links enclosed) to recognize the tremendous efforts of your teams. You can share the same with your social media network and college WhatsApp groups.

Congratulations once again, and we look forward to seeing your projects shine on the Final demo day.

Best Regards,

Tata Technologies InnoVent team

25, Rajiv Gandhi Infopark, Hinjewadi, Pune



Web: [www.tatatechnologies.com](http://www.tatatechnologies.com)


6 attachments

## Students Participated for the Event

image002.jpg  
62K



 **Sanjan D Murthy.pdf**  
145K

 **Amogh P N.pdf**  
145K

 **Ananth Raviraj Udupa.pdf**  
145K

 **Darren Nishan Patrao.pdf**  
145K

 **Divija Rukmini.pdf**  
145K

## Participated in Tata Technologies Innovent

### Hackathon

Final Demo Day – 18th January 2024 @Tata Technologies Campus, Pune.

Secured Second place, First runner up

Our project, focused on developing an innovative autonomous vehicle, was entered into the Tata Innovent 2023 competition hosted by Tata Technologies at their Hinjewadi Campus in Pune. The event was highly competitive, with 814 project entries submitted by 2,696 innovators from 229 engineering colleges across India. Our team's project was among the 22 shortlisted entries, representing 65 innovators from 20 colleges.

During the final demo day in January 2024, the top 10 teams, consisting of 34 innovators from 9 colleges, presented their projects. We were thrilled to see RVCE secure 2nd place at the national level. This accomplishment is a testament to the collaborative efforts and technical expertise cultivated at the Center of Excellence for Autonomous Vehicle Research at RVCE.



Vehicle Designed and Developed for Hackathon



**Demo Booth @ Tata Technologies**



**Assessment by Jury members**



Won Second Prize in Hackathon (All India Level)



Group Photo with Tata Technologies MD Warren Harris, VP and Chief Sustainability Officer, Tata Motors J S Kutty



RV College of Engineering

8/20th Road, RV Nagar, Hyderabad  
Telangana - 500075, India

# AUTONOMOUS VEHICLE SOLUTIONS FOR COMMERCIAL APPLICATION ON INDIAN ROADS

The introduction of autonomous vehicles in India's diverse and congested roadways could revolutionize transportation, promising enhanced safety and efficiency amidst varying road conditions and a mix of users.



BLITZKRIEG

## ELECTRICAL

High power density LTO batteries for increased power

Integration of solar panel to integrate on the go charging

Design of ECU and pre-charge circuit to ensure safety

## MECHANICAL

Tailoring resilient suspension and chassis for Indian roads

In house solutions for crash protection.

Overall low cost for fabrication through reusing and recycling

## ELECTRONICS

A fully developed navigation tool using open source tools

Low cost solution to autonomous navigation using Stereo camera

Autonomous braking system using Stereo camera for hazard avoidance.

## NOVELTY

Navigation without 3D LIDAR

Wireless Power Transfer

Solar panel integration

Impact attenuator

## POTENTIAL IMPACT

20%

Decrease in emissions

30%

Greater traffic efficiency

90%

Reduction in accidents

The key to artificial intelligence has always been the representation.

- JEFF HAWKINS



One Pager for Demo Day

TATA TECHNOLOGIES



Hackathon for  
engineering students

# Certificate of Appreciation

presented to

Sanjan D Murthy

from R V College of Engineering, Bengaluru  
for being part of the team working on the project  
Autonomous vehicles for Indian roads that has made it to the finals of  
Tata Technologies InnoVent 2023

Warren Harris  
CEO and MD, Tata Technologies

Date  
25-10-2023

/// Engineering a better world

Certificate

URL: <https://www.tatatechnologies.com/in/innovent-2023-24/>