



MANIPAL

ACADEMY of HIGHER EDUCATION

(Deemed to be University under Section 3 of the UGC Act, 1956)



PROJECT
MANAS

Bringing Bits to Life

Overview

Project MANAS is the official AI Robotics research and development team of Manipal Institute of Technology, Manipal. We're a team of 50 ambitious undergraduate students aspiring to bring about technological advancements in various engineering fields.

Amongst a huge number of other teams pursuing a similar dream, we have proved our mettle on an international platform by bagging the first position globally in the Intelligent Ground Vehicle Competition (IGVC) 2019. We also stand among the top thirteen among 300 teams and are one of the few undergraduate teams in the Mahindra's Rise Prize challenge.



Timeline

Wall-E – UGV Prototype

Started working on a UGV prototype

Adam - UGV

Started work on our first UGV for IGVC

Solo - UGV

IGVC Grand Prize Winners
Secured 1st Position Overall

2014

2016

2018

2015

2017

2019

Founded

Named after Sanskrit word
“MANAS” meaning “Higher
Intelligence”

Eve - Autonomous car

Top 13 in Mahindra's Spark the Rise
Challenge

IGVC 2018

Stood 2nd in India and 9th
Worldwide
Eve reached Level 1 autonomy

Eve

Eve is our entry into the **Mahindra Rise Prize** competition. It's a culmination of years of MANAS' hard work and one of the very best of what our team can offer.

About the competition:

- Aim of the competition is to build a driverless car for Indian roads
- \$1 million prize money
- Project MANAS qualified into the top 13 out of 300 applicants
- We are the youngest and only completely undergraduate team to qualify



Solo

Solo being Adam's successor exceeded all expectations and won brilliantly at **IGVC 2019**. It was an improvement over Adam and boasted an ergonomic design, a deep learning-based perception system, custom electronic architecture and dynamic path planning.

Achievements:

- IGVC Grand Prize Winners
- 1st in the IOP Challenge
- 2nd in Design
- 6th in Cyber Security



Recognition

Project MANAS has gained worldwide recognition, securing the prestigious title of the Grand Prize Winners of IGVC 2019 along with being only one of the few undergraduate teams working on a fully autonomous car.

We have been invited by tech giants like SAP, Continental, Vector and reputed colleges like NIE Mysore to give presentations. These organizations contacted us when they came across our work.



At the Vector India Conference in Pune for an Automotive Meet.



At SAP Lab's conference Enterprise Cloud Day



With Kurt Lehmann, CTO of Continental AG, after our presentation at their event



At Ankura technical fest of NIE

Why Sponsor Us?



- Student project competitions of such magnitude and technological innovation would mean a great amount of promotion for your brand. Our presence there is sure to attract the attention of local, national, and international news outlets.
- MIT is a very reputed engineering college and has been recognized as an institute of eminence. Our college caters to a vast alumni network. Manipal is also home to over 20,000 students. By working with us, you stand to meet a diverse such set of people.
- Several companies, corporates and other organizations have visited our workshop and campus for various competitions, events and placements.
- Sponsoring a team like MANAS is more like an investment in education and helps sustain student research in India.

Sponsors



Contact Us



Shrijit Singh

+91-9427425742

Tanaya Mandke

+91-9762375627



projectmanas.mit@gmail.com



www.projectmanas.in

