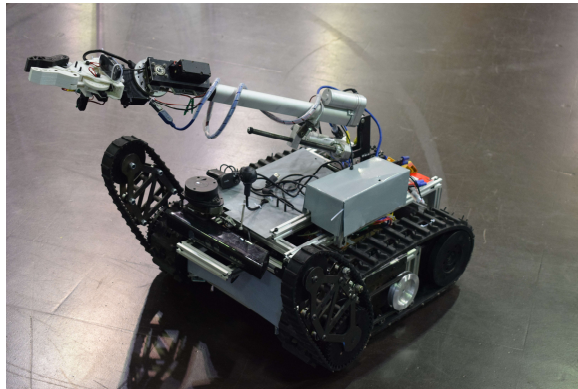


VIJAYANTA(India, Asia)



Development point

Pariprekshya is a teleoperated light weight UGV (Unmanned Ground Vehicle) robot, capable of doing complex maneuvering, mobility and dexterity tasks for search and rescue operations.

The robot typically consists of a mobile base and a manipulator. The mobile base is responsible for the maneuvering and mobile ability of the robot while the manipulator can reach difficult places where humans cannot reach. A lot of sensors and cameras are placed on the robot so that they aid in the rescue process of disaster-affected areas.

Introduction
of your team

The team consists of talented and passionate individuals from Humanitarian Technology (HuT) Labs, Amrita Vishwa Vidyapeetham University, India, who have experience in different fields of Robotics and automation.

Our ultimate goal is to promote the application of robotics to the world's technological development and contribute towards human welfare.

Role	Name	Affiliation/Title	Specialty, Field of study
Team leader	Dr. Rajesh Kannan Megalingam	PhD, Associate Professor	Low Power VLSI Design for Manufacturing and Embedded Systems, Robotics and automation, Rehabilitation Robotics
Image processing	Sakthiprasad Kuttan Kulangara Manoharan	PhD scholar, Research Associate	Robotics, Computer Vision, Image Processing, Power Efficient Solar Energy Systems
Overall Control	Sreekanth Makkal Mohandas	PhD scholar, Research Associate	Haptics, Robotics and automation, PCB Design
Mechanical Design	Shree Rajesh Raagul Vadivel	Research Associate	Mechanical design, hardware and analysis
Hardware/Software	Anandu Rajendraprasad	Research Assistant	Autonomous Navigation, Robot operating system, Embedded systems
Mechanical Design	Bharath Sasikumar	Research Assistant	Mechanical design, hardware and analysis
Testing	Mahendran J	Research Assistant	Power electronics, Testing and evaluation
Software development	Arjun N	Research Assistant	Robotics Software
Hardware	Ragavendra B M	Research Assistant	Electronics hardware
Mechanical design	Siddharth B	Research Assistant	Mechanical design, hardware and analysis
Mechanical design	Aravind Prakash	Research Assistant	Mechanical design, hardware and analysis

