INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY DELHI

(A State University established by Govt. of NCT of Delhi)

Date: 9 Apr. 2024

Research and Development Engineer Advertisement: Robotics, Path Planning and Controls

Applications are invited for the position of Research & Development Engineer for project ALIVE (Autonomous Last mIle Vehicle) at IIIT-Delhi. We are looking for candidates who have excellent programming skills and experience with development and testing of robotic systems. The role will involve design, development and deployment of planning & controls algorithms on our ALIVE platform. You will be working on challenges that are part of autonomous driving for the Indian urban last mile.

Candidates who aspire to a rewarding career in robotics and autonomous systems (by joining the industry, building a startup, or pursuing higher education) and who satisfy the essential qualifications listed in the table are encouraged to apply to be a part of ALIVE. Candidates are expected to deliver as part of a team, adhere to project deadlines, while fully owning their own modules and tasks.

Engineers who made good contributions to ALIVE over the last three to four years, are either graduate students in top US universities in areas aligned with robotics or are robotics engineers in good companies.

Post	Research & Development Engineer
Monthly remunerations	35,000 - 70,000 (all inclusive)
Essential qualifications and experience	- Bachelor's or Master's degree in ECE/EE/Computer Science or equivalent - Excellent programming skills in C++ - Good exposure to path planning algorithms for ground vehicles (RRT, A*, etc) and a good introduction to control systems (at undergraduate level). Demonstration of earlier practical implementation is highly desired. - Comfortable with Ubuntu / Linux and Git - Comfortable with ROS - Experience with one or more of the following OMPL, CARLA, Gazebo - Comfortable with undergraduate vector calculus, linear algebra, and probability and statistics
Duration	1 year (extendable by up to 2 years with appropriate increments)
Last date for application submission	**30 Apr. 2024** Position will be filled as soon as a suitable candidate is found.

Why should you apply for this position? See here. To apply, fill this Google form.