Job Notification Form, IIT Delhi

Company Overview

Name:	Honda R&D
Website:	honda.co.jp
Company Type:	Other (1)
Description:	Honda R&D Co. Ltd

Job Details

Designation:	Division1 AI Researcher
Type:	Teaching & Research
Place of Posting:	Akasaka, Tokyo, Japan
Job Details:	Honda R&D Innovative Research Excellence

Job Details:

Honda R&D Innovative Research Excellence
Honda Innovation Lab, Tokyo Mid Town Tower 38F, Akasaka 9-7-1, Minato-Ku, Tokyo, Japan.

Honda is working towards the research and development of technologies that realize intelligent mobility systems for personal cars (i.e., AD & ADAS) and new generation shared mobility. Our concept, which we call as "Cooperative Intelligence (CI)", utilizes AI technologies to allow cooperation with the user rather than full automation which is independent from the user. Our CI systems interact with the user to reduce user risk, anxiety and inconvenience, in turn realizing "freedom of door-to-door movement". We believe that the interaction among the system, the user and the peripheral traffic society including other road users should be based on mutual understanding and cooperative action. To achieve this, we consider mobility scenario related computer vision issues (e.g. traffic environment recognition, road user behavior prediction, pedestrian gesture recognition, pedestrian attribute recognition, landmark recognition, high level scene understanding), cooperative action planning and man-machine communication interface as some of our core challenges.

\<Role>
AI Researcher

\<Responsibilities>
The associate will research on one or some of above core challenges. He/she will set technical problems to be solved, find out possible solving approaches, and evaluate them not only in theory but also on a physically working system. In addition, Honda expects him/her to create novel algorithms to provide better performances than the state-of-the-art algorithms in the respective research problem.

\<Specific Goals>
[1st -2nd year]
Conduct a feasibility study of traditional and novel approach for limited scene. The associate will not only research and execute algorithms but also participate in appropriate data collection and evaluations.

[3rd -5th year]

The associate will generalize his/her proposed algorithm for wider scenes, and demonstrate it on a prototype (physically working machine) in public area.

*The associate will have a chance to get selected for a training program at Honda's research center at Silicon Valley of U.S.A based on his/her ability and research outputs.

**Joining date will be between July and October based on visa process and academic commitments of selected student

International: Yes

Joining By: 1 October 2022

Salary Details

CTC: 8,200,000 JPY Per Annum

Gross: 7,200,000 JPY Per Annum

CTC Breakup:
Basic Salary ¥5,800,000.00
House Rent Allowance ¥1,000,000.00
Transport & Food Allowance ¥400,000.00
Variable Component 1 (Japanese Classes) ¥1,000,000.00

Perks / Bonus:
Incentives: Incentives will be paid according to the performance up to 6 months of monthly salary.
Salary: Revise Salary will be revised annually by company rule.
Evaluation: Employee will be evaluated for every half fiscal year for amount of incentives.

Selection Process

Resume Shortlist: Yes

Written Test: Yes

Online Test: Yes

Group Discussion: No

Medical Test: No

Personal Interview: Yes

No. of Rounds: 2

No. of Offers: 2

Eligibility

Recruiting PHDs:	Yes
Eligible Departments:	B.Tech in Biochemical Engineering & Biotechnology, B.Tech in Chemical Engineering, B.Tech in Civil Engineering, B.Tech in Computer Science & Engineering, B.Tech in Electrical Engineering, B.Tech in Electrical Engineering (Power and Automation), B.Tech in Engineering Physics, B.Tech in Engineering and Computational Mechanics, B.Tech in Materials Engineering, B.Tech in Mathematics & Computing, B.Tech in Mechanical Engineering, B.Tech in Production & Industrial Engineering, B.Tech in Textile Engineering, B.Tech and M.Tech in Biochemical Engg & Biotechnology, B.Tech and M.Tech in Chemical Engineering, B.Tech and M.Tech in Computer Science & Engineering, B.Tech and M.Tech in Mathematics & Computing, M.Tech in Applied Optics, M.Tech in Atmospheric-Oceanic Science and Technology, M.Tech in Biomedical Engineering, M.Tech in Chemical Engineering, M.Tech in Communications Engineering, M.Tech in Computer Science & Engineering, M.Tech in Computer Technology, M.Tech in Construction Engineering & Management, M.Tech in Control & Automation, M.Tech in Energy & Environment Technologies and Management, M.Tech in Energy Studies, M.Tech in Engineering Analysis & Design, M.Tech in Environmental Engineering & Management, M.Tech in Fibre Science & Technology, M.Tech in Geotechnical and Geoenvironmental Engineering, M.Tech in Industrial Engineering, M.Tech in Industrial Tribology & Maintenance Engineering, M.Tech in Instrument Technology, M.Tech in Integrated Electronics & Circuits, M.Tech in Materials Engineering, M.Tech in Mechanical Design, M.Tech in Molecular Engineering: Chemical Synthesis & Analysis, M.Tech in Optoelectronics & Optical Communication, M.Tech in Polymer Science & Technology, M.Tech in Polymer Science and Technology, M.Tech in Power Electronics, Electrical Machines & Drives, M.Tech in Power Systems, M.Tech in Production Engineering, M.Tech in Radio Frequency Design & Technology, M.Tech in Rock Engineering & Underground Structures, M.Tech in Solid State Materials, M.Tech in Structure Engineering, M.Tech in Telecommunication Technology & Management, M.Tech in Textile Chemical Processing, M.Tech in Textile Engineering, M.Tech in Thermal Engineering, M.Tech in Transportation Engineering, M.Tech in VLSI Design Tools & Technology, M.Tech in Water Resources Engineering, M.Sc in Chemistry, M.Sc in Cognitive Science, M.Sc in Economics, M.Sc in Mathematics, M.Sc in Physics, B.Tech in Civil Engineering and M.Tech in Geotechnical and Geoenvironmental Engineering, B.Tech in Civil Engineering and M.Tech in Water Resources Engineering, B.Tech in Mechanical Engineering and M.Tech in Thermal Engineering, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Civil Engineering and M.Tech in Structural Engineering, B.Tech in Civil Engineering and M.Tech in Construction Engineering & Management, B.Tech in Textile Engineering and M.Tech in Computer Science & Engineering, B.Tech in Engineering Physics and M.Tech in Computer Science & Engineering, B.Tech in Chemical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Production & Industrial Engineering and M.Tech in Computer Science & Engineering, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Production & Industrial Engineering and M.Tech in Production Engineering, M.S.(R) in Applied Mechanics, M.S.(R) in Biochemical Engineering and Biotechnology, M.S.(R) in Biological Sciences, M.S.(R) in Telecommunication Technology and Management, M.S.(R) in Civil Engineering, M.S.(R) in Chemical Engineering, M.S.(R) in Computer Science & Engineering, M.S.(R) in Electrical Engineering, M.S.(R) in Sensors, Instrumentation and Cyber-physical System Engineering, M.S.(R) in Automotive Research and Tribology, M.S.(R) in VLSI Design Tools and Technology, M.S.(R) in Mechanical Engineering, M.S.(R) in Materials Science and Engineering, M.S.(R) in Information Technology, M.B.A. (General), M.B.A. (with focus on Management Systems), M.B.A. (with focus on Telecommunication Systems management), M.B.A. (with focus on Part Time), Master of Design in Industrial Design, Master of Design in Industrial Design, Post Graduate Diploma for Visionary Leadership in Manufacturing