Training Notification Form, IIT Delhi

Company Overview

Name: Sony Japan

Website: https://www.sony.com/en/

Company Type: Information Technology

Description: Sony was established by founders who shared a dream and a strong will to enrich people's lives through the power of technology. From our founders' dreams and aspirations, Sony has grown over the years connecting more people with their dreams.
Sony runs a diverse portfolio of businesses from Electronic Business to Music, Movies, and Entertainment, all of which center around "People".
Talents from all over the world have been playing critical roles to make this happen, and will continue to in light of our journey ahead.
We are excited to continue trailblazing with a globally oriented mindset, and we ask that you consider joining us on our journey ahead!

Project Details

Designation: TNF 3 : Software and Hardware Engineer for Robotics Platform

Type: Information Technology

Location: Tokyo, Japan

Project Details: [Technology Field]
Robotics

[Position Summary]
We are developing the `Robotics Platform` which will support the development of next-generation products and services associated with robots that will be able to move and act intelligently in the real world. In addition to platform development, we are creating a reference system for robots (from hardware to application software) to be used and applied in various contexts such as entertainment, factories, and human collaboration.

Please see the explanation of our Robotics Platform in greater detail below:
https://www.sony.com/en/SonyInfo/research/projects/robotics_platform/

We seek software engineer interns who can enhance navigation and manipulation functions, which are both characteristics of our Robotics Platform.
Let's work together to accelerate the development of our Robotics Platform!

[Responsibilities]
You will be responsible for the development of advanced robot software using the latest robotics development environments, and for strengthening the research and development of robots in new fields as we look toward the continued societal integration of robots.

Areas of Responsibility:
- Autonomous robot systems

- Middleware for navigation and manipulation, such as perception, recognition, planning, and control modules.
- Development environments (SDK, simulators).
- Group control of multiple robots.

[Required qualifications]
Programming Skills:
-Proficiency in C/C++.
-Proficiency in Python.

Engineering Skills:
-Project experiences in software development.

[Preferred qualifications]
Strong academic background in robotics or related fields, with a focus on in-depth development and research.
Demonstrated expertise in developing autonomous robot systems, including proficiency in middleware development for navigation and manipulation.
Proven track record of research achievements and a deep understanding of relevant concepts and technologies.

Programming Skills:
-Knowledge of ROS1/ROS2 is highly preferred.
-Knowledge of JavaScript is highly preferred.

Engineering Skills:
-Experience using common open source libraries and tools is highly preferred.
-Experience with robotics simulations is preferred.

Overall, the candidate is expected to have expertise in:
-Robotics
-Computer Science and Engineering
-Systems and Control Engineering

[Product, Service]
Products related to robotics.

[Development Environment]
Linux, Windows

Stipend Details

Stipend:	10,000 JPY Per Working Day
Accommodation:	Yes
Travel Expenses:	Yes
Perks / Bonus:	[Stipend] Bachelor: JPY 10,000/ working day (Net) Master: JPY 11,000/ working day (Net) Your stipend will be calculated based on the working day. Example: If there are 22 working days in a month, net stipend in a month is Bachelor JPY 220,000 / month (Net) Master JPY 242,000 / month (Net)

[Other Benefits/Support]
Single rental apartment/hotel with Wifi, Visa, flight, commuting fee, international travel insurance all provided by Sony.

Selection Process

Resume Shortlist:	Yes
Written Test:	No
Online Test:	Yes
Group Discussion:	No
Personal Interview:	Yes
No. of Offers:	2
Selection Process:	* To submit CV& Essay and take Coding Test(Python) is compulsory for this position. Essay format will be distributed through placement office. Please follow the instruction given by the placement office.

Eligibility

Diversity Recruiting:	No
Eligible Years:	Graduating in 2025 (Pre-Final Year Students) - B.Tech / Dual / Master's
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 Energy Engineering, 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 Chemical Engineering, B.Tech and M.Tech in Computer Science & Engineering, B.Tech and M.Tech in Mathematics & Computing, M.Sc in Chemistry, M.Sc in Cognitive Science, M.Sc in Economics, M.Sc in Mathematics, M.Sc in Physics, Master of Design in Industrial Design