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 12:Signal Processing Engineer/Acoustic Engineer/Sensor Technology Engineer
Type:	Information Technology
Location:	Tokyo, Japan
Project Details:	[Technology Field] Speech/Audio Signal Processing Acoustics/ Sensor Technology [Position Summary] Our team focuses on the development of speech/audio signal processing, acoustics, and sensor technologies for headphones. We work on various aspects of headphone development, including sound quality (spatial audio), noise cancellation, call quality, wearing detection, speech detection, and so forth. As a whole, Sony holds many assets and technologies that our team utilizes to achieve unparalleled acoustic quality. As such, we capitalize on the vast knowledge and expertise that exists across Sony, and often collaborate with those who work on advanced technologies, manufacturing, and so on, in order to regularly produce headphones that provide the best user experiences on the market. Additionally, our team is exploring how AI can be utilized for the advancement of our acoustic and headphone technologies. See examples of our products below: - "Industry-leading noise cancellation" WH-1000XM5 https://electronics.sony.com/audio/headphones/all-headphones/p/wh1000xm5-b - "Every world. Always on." LinkBuds https://electronics.sony.com/audio/headphones/truly-wireless/p/wfl900-w [Responsibilities]

[Responsibilities]
- Development of acoustic-related signal processing, including sound quality (spatial audio), "industry-leading" noise cancellation, and call quality.
- Development of acoustics composed of multiple elements, including transducers, microphones, DSPs, and various mechanical parts.
- Acoustic design, such as tuning final sound quality and introducing the final product to factory production OR the development of new headphone features using sensor devices.

[Required qualifications]
- Practical understanding of speech/audio signal processing or acoustics.
- Experience demonstrating originality/innovation in research, and the ability to propose unique approaches and deliver tangible results.

[Preferred qualifications]
- Practical understanding of AI technologies.
- Experience or practical understanding of software development with MATLAB, Python, C/C++, etc. OR practical understanding of sensor technologies.
- Strong passion to create new value in consumer electronics.
- Logical thinking skills with an optimistic mindset.

[Product, Service]
Mobile audio products (headphones, portable speakers, etc.).

[Development Environment]
PC: Windows
Software: MATLAB, Python, C/C++

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:	No
Group Discussion:	No
Personal Interview:	Yes
No. of Offers:	2
Selection Process:	*To submit CV& Essay is compulsory. The 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