

Expand Your Horizons: IESTEY Fellowship - Trailblazing Innovations in Global AI, ML, and Data Science for Tech and Entrepreneurship

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Company: Disruptive Research Engineering Assisted Design Private Limited

Location: India

Category: other-general

IESTEY Fellowship Program from Disruptive Research Engineering Assisted Design Private Limited is powered by the DREaD Co-Innovation Network Foundation's Scholarship. IESTEY, an acronym for Inspiring Entrepreneurial, Scientific, and Technological Exploration in Youth, is a pioneering international initiative launched by Disruptive Research Engineering Assisted Design Private Limited. Accessible to Indian scientists, technologists, and entrepreneurs, this program encompasses AI, ML, and Data Science research and application, particularly in the industry. It serves as a gateway to secure jobs, industrial research opportunities, and funding for entrepreneurs. The program's focus on practical application in the industry enhances participants' chances of gaining knowledge and accessing valuable career prospects and entrepreneurial support. Designed to foster growth and innovation globally, IESTEY provides a unique platform for emerging talents. It empowers the youth to contribute significantly to the international landscape, shaping the future of science, technology, and entrepreneurship on a global scale, thereby elevating India's presence in the realms of cutting-edge research and innovation. Through this program, participants can forge collaborations with global institutions, engaging with international scientists and technologists. This offers exposure to cutting-edge research methods, enabling active involvement and commitment to the latest advancements in specialized areas such as AI, Data Science, and Machine Learning. The initiative facilitates a dynamic exchange, fostering a vibrant community dedicated to pushing the boundaries of science and technology. This fellowship welcomes graduate and postgraduate students, research fellows

from diverse Indian universities, job seekers, entrepreneurs, and seasoned professionals eager to advance their careers in AI, ML, and Data Science research and application, with a special focus on industry roles. It offers a valuable platform for continuous career growth, providing opportunities for skill enhancement and hands-on experience in cutting-edge technologies. Inviting Indian youth to apply for the prestigious IESTEY Fellowship Program, offering opportunities for advanced research and functional training in AI, ML, and Data Science at esteemed international research laboratories. This immersive experience spans fourteen to eighteen months, focusing on cutting-edge areas of science and technology. Seize the chance to broaden your horizons and contribute to global advancements in these dynamic fields. Upon selection, candidates are required to undertake an innovation project utilizing their acquired AI, ML, or Data Science knowledge, guided by the provided learning path. This hands-on experience empowers them to apply their skills in a real-world context, fostering practical expertise and enhancing their problem-solving capabilities. The culmination of the project serves as a testament to their proficiency in driving innovation through advanced technologies. Upon project completion, candidates must publish their research innovation papers in international journals, facilitated by expert committees led by senior scientists.

Alternatively, candidates have the option to collaborate with their existing institutes to publish a thesis. This dual avenue ensures the dissemination of their groundbreaking work, contributing to the global scientific community while maintaining ties with their home institutions. Finish your project with a bang! Once completed, it unlocks exciting doors to research grants, jobs, and entrepreneurial support worldwide. The IESTEY Fellowship program acts as your passport, linking you to endless opportunities matching your accomplishments in AI, ML, and Data Science. This crucial move guarantees your skills are acknowledged and celebrated globally, propelling your career and business dreams forward. Eligibility: Graduate/Postgraduate/Research Scholar in the following disciplines-

Electronics and Communication Engineering – ECE/ Electrical Engineering – EE/
Electrical and Electronics Engineering – EEE/ Information Technology – IT/ Computer
Science and Engineering – CSE/ PHYSICS (M.Sc)/ MATHEMATICS (M.Sc)/ Master of
Computer Application (MCA)/ M.Sc in Computer Science/ M.Sc in Electronics/ Bio-Medical
Engineering/ Bioinformatics

Selection Process: Get ready to embark on your journey with the IESTEY Fellowship! Step 1: All candidates are mandatorily needed to face an online Interaction where they need to qualify first. Step 2: Successful qualifiers proceed to fill out a fellowship application and need to deposit INR 26,667 as one one-time registration fee for

enrolling in the IESTEY Program. Step 3: Candidates need to earn 40,000 XP in the first month and 80,000 XP in the second month with a desired internal project score to unlock the monetary benefits of the IESTEY Fellowship Program. Step 4: Selected candidates seal the deal with an NDA before diving into the transformative IESTEY Fellowship which is up to INR 36,000 per month.

The IESTEY Fellowship Program Roadmap:

Phase-1: selected candidates embark on a tailored learning journey in AI, ML, or Data Science, culminating in an innovation project. Guided by expert resources, this hands-on experience hones real-world skills, showcasing their innovation prowess.

Phase-2: All candidates engage in a dynamic internship program with USA-based companies. Building upon Phase-1 knowledge, they delve into various subjects, including:

- Kuramoto Models:** Utilizing Kuramoto modeling to analyze synchronization dynamics in neural systems and optimize our stimulation parameters to enhance interhemispheric coherence. The models provide insights into how pulsed electromagnetic fields can multiply synchronization across brain regions.
- Molecular Dynamics:** Molecular dynamics simulations enable us to examine conformational changes in receptors and ligands induced by electric fields at the atomic level. Here they leverage GROMACS and AutoDock to identify binding mechanisms that can be targeted by noninvasive stimulation for therapeutic effects.
- Neuroimaging Analysis:** Advanced analysis of EEG, fMRI, and other imaging data is key to mapping stimulation-induced network changes. Here they employ machine learning, feature extraction, graph theory, and other cutting-edge techniques to derive personalized stimulation protocols from multimodal brain recordings.

Phase-3: Candidates celebrate their project success by publishing innovative research papers in top international journals. With guidance from senior scientists, they can also opt to collaborate with home institutes for thesis publication, enhancing global impact while nurturing local connections.

Phase-4: Upon completion of the IESTEY program, candidates open doors to a world of opportunities, spanning research grants, job prospects, and entrepreneurial grants on a global scale. The IESTEY Fellowship program acts as a transformative gateway, seamlessly linking candidates to a myriad of prospects tailored to their accomplishments in AI, ML, and Data Science projects. This pivotal milestone ensures that their expertise is not just acknowledged but celebrated on an international platform, nurturing both professional advancement and entrepreneurial aspirations.

Charting Your Path-IESTEY Program Registration and Duration: Embark on your journey with the IESTEY program, where opportunity meets affordability. With a full program cost initially set at USD 12,043, we're excited to offer all selected candidates an incredible 75% Scholarship. As for the

duration, anticipate a dynamic timeline spanning from 14 to 18 months, tailored to the completion of your final project or internship program with a renowned US-based company. Join us and seize the chance to excel in the heart of innovation without breaking the bank! The one-time IESTEY Program Registration Fee is INR 26,667 only.

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