

इंडियन इंस्टीट्यूट ऑफ टेक्नोलॉजी दिल्ली

हौज खास, नई दिल्ली -110016

(औद्योगिक अनुसंधान एवं विकास इकाई)

INDIAN INSTITUTE OF TECHNOLOGY DELHI

Hauz Khas, New Delhi-110016

(Industrial Research & Development Unit)

No. IITD/IRD/RP04502G/ 154469

Dated:12/05/2023

Advertisement No.: IITD/IRD/105/2023

Applications from Indian nationals are invited for Project Appointment under the following project. Appointment shall be on contractual basis with consolidated pay, renewable yearly or upto the duration of the project, whichever is earlier. निम्नलिखित परियोजना के तहत भारतीय नागरिकों से आवेदन आमंत्रित किए जाते हैं। अपॉइंटमेंट, अनुबंधित आधार पर समेकित वेतन, नवीकरणीय वार्षिक या परियोजना की अवधि तक, जो भी पहले हो, के साथ होगा।

Brief description: In this Project, effect of ayurveda will be studied in managing Alzheimer's disease (AD) using surface EEG. In particular, EEG/Brain source localization-based neuro-tools will be developed for early diagnosis of AD. The longitudinal study will be performed. A hardware prototype along with the developed neuro-tools, is likely to replace the questionnaire based manual approach.

Objective: EEG/Brain source localization-based neuro-tools for early diagnosis of Alzheimer's Disease

Title of the Project	EEG Source Localization assisted Ayurvedic Intervention in Brain Disorder Management (RP04502G)	
Funding Agency	IIT Mandi IHub and HCI Foundation	
Name of the Project Investigator	Prof. Lalan Kumar [email ID:lkumar@ee.iitd.ac.in]	
Deptt./Centre	Department of Electrical Engineering	
Duration of the Project	Upto:03/04/2025	
Post (s)	Consolidated Pay-slab / Fellowship	Qualifications
Jr. Research Fellow (1)	Rs.31,000/-p.m. plus HRA @ 24%	EQ: 1 st class B.Tech./B.E. with GATE* qualified or 1 st class M.Tech./ME/M.Sc. (Engg) in biomedical engineering, electrical engineering, neuroscience, or computer science with relevant experience in Digital signal Processing, EEG signal analysis, MATLAB/Python, and Machine learning. Working knowledge of Opensim, EEGLab, OpenVibe, Brainstorm and Fieldtrip are plus point. *The requirement of NET/GATE examination for the selection to the post of JRF/SRF may be relaxed for the candidates who have graduated from Centrally Funded Technical Institutes (CFTIs) with a CGPA of more than 8.000 (80% aggregate marks). + possible opportunity for MS (R) / Ph.D., starting July 2023. •NB: Fresh graduate with good academic background, can also apply. Location: MSP Lab, IIT Delhi

The candidates who are interested to apply for the above post should download Form No. IRD/REC-4 from the IRD Website (<http://ird.iitd.ac.in/rec>) of IIT Delhi and submit the duly filled form with complete information regarding educational qualifications indicating percentage of marks/division, details of work experience etc. by e-mail with advertisement No. on the subject line to Prof. Lalan Kumar at email id:lkumar@ee.iitd.ac.in

IIT Delhi reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post and their name will be displayed on web link (<http://ird.iitd.ac.in/shortlisted>) alongwith the online interview details. Only short-listed candidates will be informed for online interview. In case any clarification is required on eligibility regarding the above post, the candidate may contact Prof. Lalan Kumar at email id: lkumar@ee.iitd.ac.in

5% relaxation of marks may be granted to the SC/ST Candidates. In case of selection of a retired/superannuated government employee, his/her salary will be fixed as per prevailing IRD norms. अनुसूचित जाति / अनुसूचित जनजाति के उम्मीदवारों को अंकों की 5% छूट दी जा सकती है। एक सेवानिवृत्त सरकारी कर्मचारी के चयन के मामले में उसका वेतन वर्तमान आईआरडी मानदंडों के अनुसार तय किया जाएगा। **The last date for submitting the completed applications by e-mail is 22/05/2023 by 5.00 p.m.**

सहायक कुल्सचिव, आईआरडी

वितरण

- Head of the Deptt./Centres/Units :
- Webmaster, IRD :
- Notice Boards
- Advertisement file
- Prof. Lalan Kumar, PI, Department of Electrical Engineering
- Copy to Chairperson, DRC/CRC

It is requested that the contents of the Above Advt. be brought to the notice of the staff working in your Deptt./Centre/Unit To put advertisement at IITD website.