

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/235108

Dated:17/01/2024

Advertisement No.: IITD/IRD/023/2024

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.

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
Sr. Project Assistant (Tech) (01)	Rs.42,000/-p.m. (consolidated)	B.Tech. in biomedical engineering, electrical engineering, neuroscience, computer science or related fields. Experience: EEG signal analysis (EEGLab,OpenVibe, Brainstorm and Fieldtrip), MATLAB/Python,and Machine learning Experience in development of EEG prototype, working with ADS1299 development boards will be desirable.

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. LalanKumar 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 contac 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 31/01/2024 by 5.00 p.m.

सहायक कुलसचिव, आईआरडी

#### वितरण

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- Prof. Lalan Kumar, PI, Department of Electrical Engineering
- Copy to Chairperson, DRC/CRC