NATIONAL BRAIN RESEARCH CENTRE (NBRC) invites application for the position of "**Senior R&D Engineer (Project)**" in **MeitY** funded project titled "**Artificial Intelligence for Early Predictive Diagnosis of Alzheimer's Disease using Multi-Modal Imaging Data"**.

Applications are invited for the position of **Senior R&D Engineer (Project)** in the laboratory of Prof. Pravat K. Mandal at National Brain Research Centre, Manesar, India. The scientific interest of the lab is to identify early *in vivo* biomarkers for neurodegenerative disorders, particularly Alzheimer's disease and imaging based database "ANSH". The lab uses multi-modal neuroimaging techniques, i.e. magnetic resonance imaging (MRI), functional MRI (fMRI), and magnetic resonance spectroscopy (MRS) to investigate the associated structural, functional, and neurochemical brain alterations, respectively. Please see the research page of Prof. Pravat K. Mandal for various research activities. Interested candidates fulfilling the prescribed requirements can send filled-in application form along with bio-data and self-attested photocopies of certificates in support of their qualifications and experience by speed-post addressed to "**The Administrative Officer (Academics), National Brain Research Centre, Nainwal Mode, Manesar-122 052, Gurgaon, Haryana**". Last date of receipt of application will be **by 5.30 P.M. on 23rd April 2021**. **Due to the current situation (COVID-19) candidates can apply by post or by email (documents require in pdf format only) (email ID: projrectt@nbrc.ac.in**

Name of the position	• **Senior R&D engineer (Project)**
No. of Post	• 01 (One)
Emoluments	• ₹ **45,000/-** p.m. (consolidated) (No other allowances are applicable).
Essential qualification	• M. Tech. / M. E. in Electronic & Communication / Electrical / Computer Science OR • B. Tech. / B. E. in Electronic & Communication / Electrical / Computer Science with three-years' experience after B. Tech. / B. E. • Minimum 60% marks from matriculation onwards.
Desirable Qualification / Experience	• Multi-model image processing/pattern recognition/Artificial Intelligence in medical imaging. • Ability to multitask, effective project leadership and management. • Knowledge and experience with Neuroimaging, and MR Spectroscopy will be added advantage. • Excellent scientific communication and writing skills is highly desirable. • Experience with Imaging data analysis tools viz., MATLAB, IDL, and R software.
Mandatory requirement	• Statement of Purpose (SOP) (minimum 250 words) indicating your research interests /expertise. Candidate should indicate how his / her experience / expertise will help ongoing research activities of the Neuroimaging and Neurospectroscopy laboratory (please check the lab web page).

Age Limit	• The upper age limit shall be **35 years** as on the closing date for receipt of application.
Screening Criteria	• Short-listing of the candidates will be done based on their following information: ➢ Statement of purpose ➢ Academic credentials
Job Responsibilities	• The candidate will help for ANSH data base development in consultation with the Principal Investigator. He/she will design specific projects on Neuroscience research, including the selection of appropriate methods and techniques on MRI/MRS/fMRI data and. In some cases, the candidate may be expected to supervise/help team members or technicians regarding the technical aspects of the research, including methods development, trouble-shooting problems, interpreting results and planning follow-up experiments
Project Investigator	• **Prof. Pravat K. Mandal** For academic questions, send email to **pravat.nbrc@gmail.com**
Tenure	• The tenure will be for a period of **one year initially** and may be extended on performance review. The post is co-terminus with the project. Selected candidates should abide by the rules and regulations of NBRC**.**
Accommodation	• Accommodation may be provided as per rules of NBRC, subject to availability.

Note:

* No TA / DA will be payable to the candidates for attending the interview.
* Only shortlisted candidates will be called for the interview to be held at NBRC.

Application for Senior R&D Engineer (Project) in
Neuroimaging & Neurospectroscopy Laboratory
(Advertisement No. Acad. / 10 / 2021)

1. **Full Name in Capitals**   : _____

2. **Date of birth**   : _____

3. **Age**   : _____

4. **Gender**   : _____

5. **Category**   : _____

6. **Nationality**   : _____

7. **Address for communication** : _____

8. **Phone numbers (landline and mobile):** _____

9. **E-mail ID**   : _____

Past recent colour photograph of the candidate

10. **Educational qualifications starting from 10th Class:**
    (Attach self-attested copies of certificates)

Qualification	Institution/ College	Board/ University	Month and year of start of the course	Month and year of Passing	Marks Obtained (%)	Class / Division

11. **Details of expertise or work experience in support of this research position.**
    (arrange in reverse chronological order including organization name, post held, scale of pay, basic pay, (attach self-attested photocopies of certificates)).

12. **Have you read in details the ongoing research activities of Prof. Pravat K. Mandal?**

13. **Statement of purpose (maximum length- one A4 sheet) indicating what you can contribute if you are hired for this position.** (Prepare your statement of objectives and goals in whatever form clearly presents your views. Include as far as you can, your particular interests and show how your background supports these interests. Please discuss how your academic and work experience to date qualifies you for this position)

14. **Have you at any time been called for interview in the Institute? If so, give details.**
15. **Peer-reviewed publication** (only papers in SCI indexed journal mentioning their impact factor)
16. **Two reference letters from your earlier work places.**

DECLARATION

I hereby declare that all statements made and information's furnished in this application are true and complete to the best of my knowledge and belief. I also declare that I have not concealed any material information which may debar my candidature for the position applied for. In the event of suppression or distortion of any fact or educational qualification, etc. made in my application form, I understand that I will be denied selection and if already selected to the said position in the Project, my services will be cancelled / terminated forthwith.

Signature of the candidate