



NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA
SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY & CONTINUING EDUCATION

NITR/SR/2021/Advt-20CS031/L/044 dt. 24.02.2021

Applications are invited on prescribed format (On-line) for the temporary post of "Junior Research Fellow (JRF) / " for the Project entitled "Digital Mental Healthcare for Older Adults Via Visually-Induced Hippocampal Activation Therapy." Selected candidate may enroll in Ph.D. Programme in the **Department of Computer Science & Engineering, National Institute of Technology Rourkela** based on Institute norms and regulations.

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| 1. | Project Code | SR/20/CS/031 |
| 2. | Name of the Temporary Post | Junior Research Fellow - 01 |
| 3. | Name of the Research Project | "Digital Mental Healthcare for Older Adults Via Visually-Induced Hippocampal Activation Therapy". |
| 4. | Name of the Sponsoring Agency | Department of Science and Technology, Int. Division. |
| 5. | Tenure of the Project | 3 years |
| 6. | Tenure of the Assignment | Extendable annually till completion of project, subject to satisfactory performance and availability of fund release by sponsoring agencies. |
| 7. | Job Description | <ul style="list-style-type: none"> • Develop a digital therapy for improving cognitive function of elderly people. • Exploring machine/statistical learning techniques to identify cognitive neural states and biomarkers from multi-modal neural signals. |
| 8. | Consolidated monthly compensation / Fellowship | INR 31,000 (1st & 2nd year) and INR 35,000 (3rd year). HRA will be paid as per Govt. of India rules. |
| 9. | Essential Qualifications and experience | M.Tech/ M.E/M.Tech. [R]/M.S. [R] (after B.Tech/ B.E.) in Computer Science and Engineering (CSE)/ IT with 60% marks or 6.5/10 CGPA at both B.E./ B.Tech and M.E./M.Tech levels OR B.Tech/B.E in CSE with GATE score and CGPA above 8.0/10 or marks above 65%. OR M.Sc. (with GATE) in Computer Science / Information Technology |
| 10. | Desirable Qualifications / Exp. | a. M.Tech in Computer Science and Engineering (CSE)/IT b. Knowledge in Cognitive Science c. Machine Learning & Data Analysis d. Python programming. |
| 11. | Accommodation | Bachelors Accommodation in the Institute may be provided subject to availability. |

For technical information on the project, the candidate may contact the Principal Investigator at the following address:

Name : **Prof. Anup Nandy**
Address : Department of Computer Science & Engineering
National Institute of Technology Rourkela, Odisha 769 008.
Tel. No. : 0661-246 2370
Mobile : 6370066981
E-mail : nandya@nitrkl.ac.in

Date and Time for **On-line / Walk-in** Interview: **31.03.2021 at 11:00 HRS**

Place of Interview: **Department of Computer Science & Engineering, NIT Rourkela**

Eligible candidates may apply within **24.03.2021**, 23:59 HRS. The candidates are required to send the complete filled up application form (Soft copy) to nandya@nitrkl.ac.in . The application form is available in the following link: [http://nitrkl.ac.in/oldwebsite/ Jobs_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64\(2\).pdf](http://nitrkl.ac.in/oldwebsite/Jobs_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64(2).pdf) which must be filled by candidates and also required to attach photocopies of all supporting documents, research papers (if any) etc.

Candidates will build a **Single PDF** file; it is to be sent to Principal Investigator (nandya@nitrkl.ac.in) **on or before 24.03.2021, 23:59 HRS**. The candidates are also required to produce relevant documents mentioned in the application form [such as original of all mark sheets and certificates, research papers (if any), experience certificate (if any) etc.] at the time of interview / joining. Selection / Joining will be canceled in case of any suppression of information / document provided earlier.

Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be short listed based on merit and need of the project.

**Sd/-
Asst. Registrar (SR)**

Copy to:

- 1) All Heads of the Departments, NIT Rourkela for publication on departmental notice boards.
- 2) **Prof. Anup Nandy**, PI with a request to give wide publicity to this advertisement.
- 3) Head of the Department, Computer Science & Engineering.
- 4) Project file.