

# Centre of Excellence in Complex and Non-linear Dynamical Systems VJTI, Matunga, Mumbai-400019

## Advertisement for the Post of Junior Research Fellow (JRF) /Project Research Assistant (PRA) (2 Nos) Under Sponsored Project

Veermata Jijabai Technological Institute (VJTI) is a premier and one of the oldest engineering institutes in India. Established in 1887, it is an autonomous institute of the Government of Maharashtra and is affiliated to Mumbai University. Centre of Excellence in Complex and Non-linear Dynamical Systems of VJTI has recently received a funding for a duration of 5 years from Rajiv Gandhi Science & Technology Commission Government of Maharashtra for “Development of Smart Drone Ecosystem and Demonstration of Societal Applications towards Larger Drone Deployment Strategy of Maharashtra”.

Applications are invited from passionate, result oriented research scholars to develop sustainable ecosystem for fully autonomous smart drones, and enabling it into the digitalsky platform; to Integrate drones with other mobility systems and operations; to develop secured, highly safe and trustworthy drone technologies; to establish advanced design, manufacturing, testing and training facilities; to develop skilled personnel, human resources and interdisciplinary collaboration; to test, demonstrate, commercialize and deploy drone technologies.

Candidates who fulfill the under-mentioned criteria of age, educational qualifications, and experience etc. may apply online by uploading the relevant documents (certificates of educational qualifications, experience, DOB, category etc.) in a single pdf file on the online application form mentioned below on or before last date i.e. **17/12/2022**.

Link of Application Form: <https://forms.gle/pkoXYRisuyKssWKL9>

Before applying, the candidates are advised to go through the essential qualifications for their eligibility, as mentioned below (Table) for the positions being advertised and choose the relevant positions for submitting the application. In case of any technical difficulty in an online application, please write to: [coe.cnds@vjti.org.in](mailto:coe.cnds@vjti.org.in) with a screenshot of the error.

Sr. No.	Positions & Stipend/Emoluments	No.of Positions	Tenure/ Project Duration (Tentative)	Essential Qualification in the area/discipline
1.	Junior Research Fellow (JRF) Rs.31,000/- + 24% HRA = <b>(Total Rs. 38,440/- consolidated)</b>  Project Research Assistant (PRA) Rs. 25,200/- to 50,400/- (0.036 Increment Yearly) + 5% (OCA/HRA)	02	3 years.  (Subject to satisfactory quarterly performance review & availability of funds)	Essential Qualification B.E./ B.Tech/M.E./M.Tech in flowing Streams  <b>Streams:</b> Electronics/Electronics&Telecom/IT/Computer/Instrumentation  <b>Desirable Qualification:</b> The candidate should have knowledge of Hardware/Embedded security; familiarized with protocols such as SPI, I2C; knowledge of tools such as Bus Pirate, JTAGulator, HackRF etc.

### Please note:

1. The performance of the candidates selected against all the above-mentioned positions will be reviewed at regular intervals (3/6 months etc.) and based on the performance as per the project mandate, further extension (if applicable) will be provided from time to time.
2. In case a large number of candidates apply for the position, the Selection/Screening Committee will have discretion to shortlist the candidates for interview based on written exam or percentage of marks or desirable qualification/experience or higher qualification or any other criteria deemed fit. In respect of equivalence clause in Essential Qualifications, if

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a candidate is claiming a particular qualification as equivalent qualification for recruitment as per the requirement of advertisement, then the candidate is required to produce order/letter in this regard, indicating the Authority (with number and date) under which it has been so treated otherwise the Application is liable to be rejected.

3. Only shortlisted candidates shall be informed through email about the exact date and time for holding physical/virtual interviews of the shortlisted candidates will be through e-mail in due course.
4. The selected candidates are expected to join within fifteen days from the date of receiving offer of appointment, after completion of pre-appointment formalities like document verification etc.
5. VJTI reserves the right to cancel or withdraw the award in case of any discrepancy found, in the candidature of any selected candidate at any stage.
6. VJTI reserves the right not to fill up a particular position if it so desires. The number of vacancies indicated above may vary at the time of actual selection.
7. No TA will be paid to the candidates for attending the interview.
8. The engagement as a SRF/JRF under this Scheme is purely on a temporary basis. The SRF/JRF shall have no claim for further extension, absorption, or regularization in VJTI after the expiry/termination of the Fellowship. The engagement can be terminated by either side by giving one month's notice OR stipend in lieu thereof without assigning any reasons. It is not a VJTI appointment and will not confer any right on the incumbent to any claim implicit or explicit on any position.
9. All the above positions in VJTI are purely temporary contractual engagement co-terminus with the projects.
10. DST OM No. SR/S9/Z-08/2018 dated 30.01.2019 shall be applicable for sponsored projects for JRF/PRA.
11. The period of experience in a discipline / area of work, wherever prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualifications for that position.
12. The original copy of all certificates and mark sheets should be available at the time of interview.
13. There are no on-campus accommodation facilities.