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भारतसरकार, रक्षामंत्रालय  
Government of India, Ministry of Defence,  
रक्षाअनुसंधानऔरविकाससंगठन  
Defence Research & Development Organisation  
डीआरडीओयुवावैज्ञानिकप्रयोगशाला, कृत्रिमबुद्धिमत्ता  
**DRDO Young Scientist Lab-Artificial Intelligence**  
डॉर्राजारमत्राकॉम्प्लेक्स,  
Dr. Raja Ramanna Complex, Raj Bhavan Circle  
हाईग्राउंड्स, बेंगलुरु-५६०००१, भारत  
High Grounds, Bengaluru-560001, INDIA

Ref. No.: DYSL-AI/JRF/HR/2023-24/01

DATE: 12<sup>th</sup> Sept 2023

### Advertisement for the Award of Junior Research Fellowship (JRF)

DRDO Young Scientist Laboratory- Artificial Intelligence (DYSL-AI) is constituted of young scientists who work towards research and development in the field of Artificial Intelligence. DRDO Young Scientist Laboratory-Artificial Intelligence (DYSL-AI) is at the forefront of artificial intelligence research, accelerating adoption of artificial intelligence for varied applications. The lab has associations with various eminent organizations such as IITs, IISc Bangalore, IIIT's and other leading academic institutions.

We are looking for young and meritorious Indian nationals, who desire to pursue AI related research as Junior Research Fellow (JRF) and join the revolution, using deep learning, natural language processing (NLP), computer vision and reinforcement learning to help us improve various research outcomes and drive innovation. At DYSL-AI, you will join a multidisciplinary team helping to shape our AI strategy and showcasing the potential of AI for defense through early-stage solutions. This is an excellent opportunity to take advantage of emerging trends and technologies to make a real difference.

**The eligibility criteria and desired qualifications is as under:**

SL No	Title of Fellowship	Minimum eligibility Criteria	Desirable Qualification	No of vacancies
1	Junior Research Fellow	Graduate degree in professional course (B.E/B.TECH) in first division with NET/GATE (OR) Post Graduate degree in professional course (M.E/M.TECH) in first division both at Graduate and Post Graduate level (OR) Post graduate degree in Basic Science in first division with NET Qualification	a. Strong fundamentals in problem solving, algorithm design and complexity analysis b. Expert in at least one major programming language (Python, Java, C++ or similar) c. Knowledge of classical AI algorithms, Machine Learning and Deep Learning techniques is strongly desirable. d. Proven experience with software libraries such PyTorch, Tensorflow, Keras, TensorRT, PyTorchMobile. Either one of the following: i. Comprehensive knowledge of speech and language technology, including speech recognition and natural language understanding/ NLP/ Machine Translation. (OR) ii. Comprehensive knowledge of 3D Vision and Simultaneous Mapping and Localization (SLAM), ROS. (OR) iii. Comprehensive knowledge of Computer Vision including Generative Models. (OR) iv. Comprehensive knowledge of Reinforcement Learning	02

1. **Upper age limit:** 28 years as on the date of interview. Age and Educational qualification will be calculated / determined as on date of interview. Age limit is relaxable by 5 years for SC/ST, 3 years for OBC candidates.
2. **Emolument:** Stipend of Rs.37,000/- per month plus HRA as applicable (at present 27%). Hence, total emoluments will be Rs. 46,990/- . Based on the availability, accommodation can be provided, in which case, HRA will be deducted.
3. **Tenure:** Candidate will work initially for first two years as JRF and will subsequently be elevated as SRF for the remaining two/three years, subject to satisfactory performance to be assessed annually and as per DRDO rules.
4. Candidates working in Govt./Public Sector Undertaking/Autonomous Bodies should apply through proper channel. They are required to submit a signed declaration (Annexure 'II') to the extent that they have informed their Cadre Controlling Authority (CCA) about their application for the fellowship in DRDO and required to produce a "No Objection Certificate" from their CCA as per Annexure 'III' at the time of interview.
5. The Offer of fellowship is purely of temporary in nature for a limited period as per rules in vogue and does not confer any right for absorption in DRDO.
6. Those who were already awarded JRF position in any of the DRDO Laboratories/centers earlier, are not eligible to apply again.
7. Candidate need to attach the proof of CGPA to percentage conversion formula from the University/Institution along with the application form.
8. The Research Fellowship may be terminated at any time during the tenure with a prior notice of one month. Fellows may resign with a prior notice of one month.
9. DYSL-AI, Bangalore reserves the right to amend, modify or cancel this advertisement. The above notified fellowships are likely to be increased or decreased or cancelled depending upon the prevailing requirement restrictions, if any, as per the policy of Government of India.
10. The detailed advertisement with application form and other specimen formats are available in the website [www.drdo.gov.in](http://www.drdo.gov.in) (> What's New > Application for the post of JRF at DYSL-AI, Bangalore).
11. **It may please be noted that offer of fellowship does not confer on fellows any right for absorption in DRDO.**
12. **Application procedure:** Eligible candidates may send their duly completed applications as per details below:
  - i) Duly filled application (Annexure -1 ) downloadable from [www.drdo.gov.in](http://www.drdo.gov.in)
  - ii) NoC & other testimonials as applicable in case of serving candidate (Annexure –II & Annexure – III) downloadable from [www.drdo.gov.in](http://www.drdo.gov.in)
  - iii) CV
  - iv) Self attested copies of educational certificate
  - v) Self attested copies of DOB,
  - vi) Self attested copy of caste certificate (Wherever applicable)

The application completed in all respect as above needs to be sent to "The Director, DRDO Young Scientist Lab-Artificial Intelligence, Dr. Raja Ramanna Complex, Raj Bhavan Circle, High Grounds, Bengaluru-560001" or the scanned copies can be sent by mail to [accounts.dysl-ai@gov.in](mailto:accounts.dysl-ai@gov.in)

**13. Last Date:** The last date for receipt of application at DYSL-AI is **21 days from the date of publication in Employment News or before 10<sup>th</sup> October 2023** (which ever is later). Applications received after due date for whatsoever reasons, shall not be entertained. Incomplete applications are liable to be rejected.

**Candidates sending application by post should write in bold letters "Application for JRF recruitment' on TOP of the cover of envelope.**

**APPLICATION FOR RESEARCH FELLOWSHIP IN DRDO**

Paste recent  
photograph

1. Name (in Block letters) : \_\_\_\_\_
2. Father's / Husband's Name : \_\_\_\_\_
3. (a) Marital Status (Married / Single): \_\_\_\_\_ (b) Nationality: \_\_\_\_\_
4. (a) Category (GEN/SC/ST/OBC/PH/3<sup>rd</sup> Gender): \_\_\_\_\_ (b) DoB: \_\_\_\_\_  
 (c) Age as on date of application: Years \_\_\_\_\_ Months \_\_\_\_\_ Days \_\_\_\_\_
5. Address for Communication: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 State: \_\_\_\_\_ Pin Code: \_\_\_\_\_
- Contact details: Landline (with STD code) \_\_\_\_\_ Mobile No.: \_\_\_\_\_  
 Email address: \_\_\_\_\_
6. Permanent Residential Address: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 State: \_\_\_\_\_ Pin Code: \_\_\_\_\_

## 7. Educational Qualification (from SSC/Matric onwards; Self-attested copies to be enclosed)

Exam passed	Subject(s)	University/Board	Year of passing	Division/Class	% Marks

## 8. Experience:

Name of the organisation	Period of Service		Reasons for leaving
	From	To	

## 9. Whether Qualified in UGC/CSIR/NET/GATE Examinations: YES / NO

If yes, give details (proof to be enclosed)

## 10. Have you ever been interviewed in any DRDO Unit, please give details: YES / NO

(Note: Candidates already awarded JRF positions in any of the DRDO Units earlier are not eligible to apply again)

## 11. Any other information:

**DECLARATION:** I hereby declare that the above particulars furnished are correct and no information is suppressed.

Place:

Date:

(Signature of the candidate)

*Annexure II*

**DECLARATION REGARDING INTIMATION TO CADRE CONTROLLING AUTHORITY(CCA)**

Certified that I, \_\_\_\_\_ is working as \_\_\_\_\_ in the office of \_\_\_\_\_ on \* regular / ad-hoc / contract basis since \_\_\_\_\_ in Pay Band Rs. \_\_\_\_\_ with Grade Pay of Rs. \_\_\_\_\_ / on consolidated Salary Rs. \_\_\_\_\_ per month

Also certified that I have my Cadre Controlling Authority(CCA) that I am applying for the post of \_\_\_\_\_ at DYSL-AI, Bangalore.

(\* strike-out whichever not applicable)

(Signature of the candidate)

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*Annexure III*

**NO OBJECTION CERTIFICATE**

Certified that Mr /Mrs \_\_\_\_\_ is working as \_\_\_\_\_ in this office on \* regular / ad-hoc / contract basis since \_\_\_\_\_ in Pay Band Rs. \_\_\_\_\_ with Grade Pay of Rs. \_\_\_\_\_ / on consolidated Salary Rs. \_\_\_\_\_ per month

This office has No objection to his /her candidature being considered for appointment to the post of \_\_\_\_\_ at DRDO. If selected, he / she will be relieved of his / her duties in accordance with the terms of his / her appointment.

(\* strike-out whichever not applicable)

(Signature of the candidate)