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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**

डॉराजारमन्नाकॉम्प्लेक्स,

Dr. Raja Ramanna Complex, Raj Bhavan Circle

हाईग्राउंड्स, बेंगलुरु-५६०००१, भारत

High Grounds, Bengaluru-560001, INDIA

Ref. No.: DYSL-AI/JRF/HR/2021-22/01

DATE: 15<sup>th</sup> Dec 2021

### 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	<p>B.E/B.Tech Degree in Computer Science/ Computer Science &amp; Engineering/Information Technology/ Electrical Engineering/ Electronics &amp; Communication Engineering in first division from AICTE accredited Institute/ University with CSIR-UGC (NET) / GATE qualification</p> <p>(OR)</p> <p>Post Graduate degree in professional course (ME/ M.Tech) in Computer Science/ Computer Science &amp; Engineering/ Signal Processing/ Information Technology/ Electrical Engineering/ Electronics &amp; Communication Engineering in 1st Division both at Graduate &amp; Post Graduate level and both from AICTE accredited Institute/ University.</p>	<p>a. Strong fundamentals in problem solving, algorithm design and complexity analysis</p> <p>b. Expert in at least one major programming language (Python, Java, C++ or similar)</p> <p>c. Knowledge of classical AI algorithms, Machine Learning and Deep Learning techniques is strongly desirable.</p> <p>d. Proven experience with software libraries such PyTorch, Tensorflow, Keras, TensorRT ,PyTorchMobile.</p> <p>Either one of the following:</p> <p>i. Comprehensive knowledge of speech and language technology, including speech recognition and natural language understanding/ NLP/ Machine Translation. (OR)</p> <p>ii. Comprehensive knowledge of 3D Vision and Simultaneous Mapping and Localization (SLAM), ROS. (OR)</p> <p>iii. Comprehensive knowledge of Computer Vision including Generative Models. (OR)</p> <p>iv. Comprehensive knowledge of Reinforcement Learning</p>	04

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.31000/- per month plus HRA as applicable (at present 27%).
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 [contactus.dyslai@gmail.com](mailto:contactus.dyslai@gmail.com).

**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 16<sup>th</sup> January 2022** (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.**

**Selection Process:**

Eligible candidates will be shortlisted on the basis of GATE score/percentage of marks obtained in the qualifying degree.

Shortlisted candidates are required to appear for online coding examination (tentatively on 19<sup>th</sup> January), details of the examination will be communicated subsequently on their mail ids.

The qualified candidates will be required to appear for personal interview to be held at DRDO Young Scientist Laboratory- Artificial Intelligence (DYSL-AI) Dr. Raja Ramanna Complex, Raj Bhavan Circle, High Grounds, Bengaluru-560001 or through Video Conferencing as decided by Director, DYSL-AI, **date and time will be communicated to the shortlisted candidates separately by speed post/email.** The decision of the Director as to whether in person interview or through Video conferencing will be final and binding on the candidates.

The decision of the committee constituted by Director, DYSL-AI in selecting the candidate will be final and binding on all the candidates.

**Important Instructions:**

Only those candidates who have been awarded Degree/Provisional Degree certificate are eligible to apply.

Candidates should make their own arrangement for their stay and transport in Bangalore.

Candidate need to produce original Certificates/Testimonial for proof of Caste (Where applicable), Age, Educational Qualification and No Objection Certificate (Where applicable), along with two pass port size photographs at the time of interview.

Award of Fellowship shall not be claimed by any candidate as a matter of right. The selection of the candidate will be entirely the discretion of the Selection Committee of the Lab.

The candidate should bring supporting document for CGPA conversion.

The candidate may be allowed to register for part-time Ph.D with any University/Institution during the tenure of the fellowship on approval of DYSL-AI.

No TA/DA will be paid for attending the interview or for joining, if selected.

DYSL-AI, Bangalore is situated at Dr. Raja Ramanna Complex, Raj Bhavan Circle, High Grounds, Bengaluru-560001,

For details contact DYSL-AI between 1000 to 1700 hrs on all working days (Monday to Friday) on 080-2201 7711.

*Kavita Balutia*  
15/12/2021  
(KAVITA BALUTIA)Sc 'C'  
Head HR  
For Director