

सीएसआईआर-राष्ट्रीयवांतरिक्षप्रयोगशालाएं, बेंगलुरु - 560017, भारत  
**CSIR- NATIONAL AEROSPACE LABORATORIES**  
(Council of Scientific & Industrial Research)  
Bengaluru - 560017, INDIA

**ADVT. No. 11/2021**

CSIR National Aerospace Laboratories (NAL), Bengaluru desires to engage Project Staff on purely temporary and contractual basis under the CSIR/Externally funded / other projects undertaken by CSIR-NAL.

| <b>WALK-IN-INTERVIEW FOR PROJECT STAFF</b> |  |                         |                                  |
|--|--|-------------------------|----------------------------------|
| <i>Designation</i>                         | <i>Stream (Area)</i>   | <i>No. of Positions</i> | <i>Date of Walk-in Interview</i> |
| Project Assistant                          | Mechanical / Aerospace / Aeronautics / Electronics & Communication / Avionics / Electrical Engineering | 30*                     | 20.12.2021                       |
| Project Associate I & II                   | Electronics & Communication / Avionics / Electrical  |                         | 22.12.2021                       |
|  | Mechanical / Aerospace/ Aeronautics  |                         | 24.12.2021                       |

\*Number of positions may vary as per the requirement of the Projects

**Qualification and Job requirements:**

| <i>Sl. No</i> | <i>Task Team</i>            | <i>Qualification</i>  | <i>Job Requirement</i>  |
|---------------|-----------------------------|---|---|
| 1             | Aerodynamics                | BE/ BTech in Aeronautics / Aerospace Engineering with 2 years<br><br>Desirable:<br>ME / MTech in Aeronautical Engineering/Aerospace / Mechanical  | To work in Aerodynamics / Configuration design of civil aircraft. Programming experience in MATLAB, C, Python.<br><br>To work in civil aircraft Aerodynamics & Configuration studies. Experience in Flow computation using panel codes, wind tunnel testing, estimation of aircraft performance, stability & control characteristics. Programming experience in MATLAB, C, Python.  |
| 2             | Power Plant and Fuel System | BE/ BTech in Aeronautics / Aerospace Engineering with 2 years<br><br>Desirable:<br>ME / MTech in Aeronautical Engineering/ Aerospace / Mechanical | Experience in generation of AutoCAD drawing and 3D CATIA digital mock-up.<br><br>Engine control system. Installation of power plant equipment's<br><br>Oil cooler and ejector installation.<br><br>Oil hose routing, Power plant instrumentation. Engine vibrations mountings.<br><br>Fuel blow back system, Blade low pitch (PBA) indication, 1" Engine drain & breather, Exhaust stubs<br><br>Also needs to assists scientists in experiments and testing |

|   |   |   |  |
|---|---|---|--|
| 3 | AFCS (Simulation)                                   | ME / MTech : Aerospace /<br>Electronics and Communication<br>/ Electrical and Electronics                   | 1 Year experience in MATLAB / Simulink /<br>RTOS.<br>Model implementation in Simulink /<br>Activate, working with real time target |
| 4 | Structural Design                                   | BE / Btech - Mechanical,<br>Aerospace with 2 years<br><br>Desirable:<br>ME/MTech - Aerospace/<br>Mechanical | Experience in CATIA preferred<br><br>Experience in Finite Element Analysis &<br>SOM Calculations                                   |
| 5 | Mechanical Systems /<br>DLME / Structural<br>Design | Diploma in Mechanical /<br>Aerospace  | Experience in AutoCAD, CATIA, ERP,<br>Methods planner, Production Planning   |
| 6 | Avionics and<br>Electrical System                   | Diploma in Electrical /<br>Electronics and Communication<br>/ Avionics                                      | Experience in Avionics, Electrical ground<br>integration testing, wiring and<br>documentation                                      |

**Information on ONLINE registration: (Apply on or before 18.12.2021)**

| <b>ONLINE REGISTRATION</b>        |  |                         |  |
|-----------------------------------|--|-------------------------|--|
| <i>Designation</i>                | <i>Stream (Area)</i>   | <i>No. of Positions</i> | <i>Job Requirements</i>  |
| Project Associate-II              | B.E./B.Tech in<br>Mechanical /<br>Material Science /<br>Metallurgy /<br>Production with Two<br>years' experience | 01                      | To develop HVOF sprayed carbide, oxide and<br>alloy coatings and characterization of these<br>coatings for structure, hardness and wear.   |
| Senior Project<br>Associate (SPA) | Electronics and<br>Communication /<br>Power Systems /<br>Digital Signal<br>Processing                            | 01                      | Instrumentation and data acquisition for<br>Lamb wave-based experiments. Data<br>processing and analysis. Sensor and System<br>calibration. Handling national instruments<br>DAQ system. Desirable: Programming<br>knowledge in Matlab, Python, Labview.<br>Knowledge of machine learning algorithm<br>development |

The details of qualification, age, stipend etc. are as follows:

| <b>Sl. No.</b> | <b>Designation</b>          | <b>Qualification</b>   | <b>Upper Age limit (years)</b> | <b>Stipend (in Rs.)</b> |
|----------------|-----------------------------|--|--------------------------------|-------------------------|
| 1              | Project Assistant           | First Class Diploma in Mechanical / Aerospace /<br>Aeronautics / Electronics & Communication /<br>Avionics / Electrical Engineering  | 50                             | ₹20,000/- +<br>HRA      |
| 2              | Project Associate-I         | First Class BE/B.Tech or equivalent in<br>Mechanical / Aerospace / Aeronautics /<br>Electronics & Communication / Avionics /<br>Electrical Engineering                                     | 35                             | ₹25,000/- +<br>HRA      |
| 3              | Project Associate-II        | First Class BE/B.Tech or equivalent in<br>Mechanical / Aerospace / Aeronautics /<br>Electronics & Communication / Avionics /<br>Electrical Engineering with 2 years relevant<br>experience | 35                             | ₹28,000/- +<br>HRA      |
| 4              | Senior Project<br>Associate | BE/B.Tech or equivalent with 4 years of<br>experience OR ME/M.Tech with 2 years of<br>experience OR Doctoral degree in the areas<br>mentioned below  | 40                             | ₹42,000/- +<br>HRA      |

**GENERAL:** The position is purely temporary on contractual basis for a period of ONE year extendable based on the performance and review by the Competent Authority as per the requirement of the project. The contract may be terminated at any time by giving one-month notice by either side. The applicants will have no claim implicit or explicit for consideration against any CSIR-NAL post.

**INTERVIEW:**

The **Walk-in-Interview** will be held on **20.12.2021 for Project Assistants, 22.12.2021 for Project Associate -I and on 24.12.2021 for Project Associate - II** from 8.30 am onwards after the completion of the registration at RAB Meeting Complex, National Aerospace Laboratories (NAL), Adjacent to SBI, NAL Branch Kodihalli, Bengaluru – 560 017.

**The candidates have to report at CSIR-NAL between 8.30 AM to 9.30 AM for registration and verification of documents. Shortlisting of applications will be completed and selected candidates will be informed by 12.30 pm. Interview for selection of candidates will be 1.00 PM onwards**

**Note: No candidates will be allowed for registration after 09.30 AM.**

Candidates are informed to bring filled in applications (available in our website) along with latest passport size photograph, original certificates along with set of Xerox copies including Caste Certificates if any, in the proper format issued by the appropriate authority as per the latest instructions issued from time to time on the subject. If large number of candidates appear for Walk-in-Interview, the Selection Committee will decide the criteria for shortlisting of candidates and **Written Test** will be conducted, in such case candidates will be informed the criteria fixed by the Selection Committee and accordingly they will be allowed for Walk-in-Interview. Also if any candidate could not be interviewed on first day they will be interviewed on next day. The decision of Director, CSIR-NAL / Selection Committee in allowing any candidate for Walk-in-Interview is final and binding all candidates.

The Selected candidates will have to report immediately and no extension of duty joining date is entertained.

**The candidates registered for PA-II and Senior Project Associate (SPA) through ONLINE, the date of interview through ONLINE/OFFLINE will be notified separately.**

The candidates must produce Covid-19 vaccination certificate (at least one dose) without fail and they should adhere to the SOP guidelines issued by GOK/GOI during the Walk-in-Interview process.

**No TA/DA will be paid to the candidates for appearing Walk-in-Interview.**

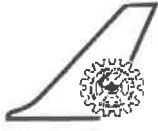
For ONLINE registration, please visit our website: **[www.nal.res.in](http://www.nal.res.in)**

Last date for submission of online application: **18.12.2021**

For any query please contact

☎ **080-25086078**, Email: **[recruitment@nal.res.in](mailto:recruitment@nal.res.in)**

**For any technical problems** while submitting the online application, please contact: **Smt. Kowsalya Devi M B, Senior Technical Officer, ☎080-25086038**



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**APPLICATION FORM for Walk-in-Interview**

|  |  |
|--|--|
| 1. Name of the Post applied for  | Project Assistant<br>Project Associate - I<br>Project Associate - II |
| 2. Name in full (Block letters)  |  |
| 3. Father's / Husband's Name (Block letters)                               |  |
| 4. Sex (Male / Female)   |  |
| 5. Nationality   |  |
| 6. Address for Communication with Pin code                                 |  |
|  | Mobile No.:  |
|  | Email Id:  |
| 7. Permanent Address with Pin code   |  |
| 8. Date of Birth (as per 10 <sup>th</sup> / SSLC certificate (DD/MM/YYYY)) |  |
| 9. Age as on .....   |  |
| 10. Category   | UR / SC / ST / OBC   |

| 11. Educational Qualification (attach relevant copies) : |  |                  |            |                      |             |                |                                  |
|--|--|------------------|------------|----------------------|-------------|----------------|----------------------------------|
| Details of Courses and Specialization                    |  | Period of course |            | Total Marks obtained | Total Marks | % / CGPA score | Board / University / Institution |
|  |  | From (MM/YY)     | To (MM/YY) |                      |             |                |                                  |
| SSLC / Matriculation / Xth Std.                          |  |                  |            |                      |             |                |                                  |
| 10 + 2 / PUC   |  |                  |            |                      |             |                |                                  |
| Graduation   |  |                  |            |                      |             |                |                                  |
| Post-Graduation  |  |                  |            |                      |             |                |                                  |
| Ph. D.   |  |                  |            |                      |             |                |                                  |

| 12. Details of Employment (in Chronological order) (attach relevant copies)  |                   |              |            |                |                 |   |
|--|-------------------|--------------|------------|----------------|-----------------|---|
| Name of the organization & Place (Please specify whether Central Govt. / State Govt. / Public Sector / Autonomous Body / Private Sector) | Position (s) held |              |            | Nature of Work | Gross pay scale | Whether working on regular basis / contractual basis / Adhoc basis etc. |
|  |                   | From (MM/YY) | To (MM/YY) |                |                 |   |
|  |                   |              |            |                |                 |   |
|  |                   |              |            |                |                 |   |
|  |                   |              |            |                |                 |   |
|  |                   |              |            |                |                 |   |
|  |                   |              |            |                |                 |   |

|  |  |
|--|--|
| 13. Any other information :  |  |
|  |  |
| 14. Particulars of close relatives working in CSIR / CSIR-NAL  |  |
| <b>Name</b>  |  |
| <b>Designation</b>   |  |
| <b>Division</b>  |  |
| <b>Relationship</b>  |  |
| 15. Are you under any Bond / Contractual obligation to serve Central / State Govt. / PSU / Autonomous or any other body / organization     |  |
| 16. Whether dismissed from service from any other institution / office or debarred by the Public Service Commission . If Yes, give details |  |

- I hereby declare that all the statements made in this application are true, complete and correct to the best of my knowledge and belief.
- I understand that in the event of any information being found false or incorrect at any stage, my candidature / appointment shall be liable to be cancelled / terminated summarily without notice or any compensation in lieu thereof.

Place :  
Date :

Signature :  
Name :