

ADVANCED SYSTEMS LABORATORY (ASL)
Dr. A.P.J. Abdul Kalam Missile Complex
(Defence Research & Development Organization)
P.O. Kanchanbagh, Hyderabad – 500 058.

The following Junior Research Fellowships are available initially for a period of two years (extendable as per rules), at a monthly stipend of Rs. 25,000/- (HRA admissible as per rules) to work in the areas indicated against the posts.

Important: These posts are temporary (of fixed tenure) and will under no condition be regularized or made permanent.

Age: The upper age limit as on 01-10-2018 is 28 years (Relaxable by 5 years for SC /ST candidates and 3 years for OBC candidates)

- 1) **For JRF: Post No. 01 - 4 Posts**
- i. **Essential :** First Class B.E/B.Tech (Mechanical/Aerospace/Aeronautical) with valid GATE Score
 - ii. **Desirable :** ME / M.Tech in relevant area or experience in Design, Modelling, FEM / CFD analysis
 - iii. **Area of Work:**
 - a) Solid Modeling: Structural, Thermal Flow Analysis and Post Test Analysis
 - b) Polymer Matrix Composites – Design / Analysis / Modeling
 - c) Design of Solid Propellant System, Analyzing Detonation Waves, Propellant deflagration
- 2) **For JRF: Post No. 02 - 3 Posts**
- i. **Essential :** First Class B.E/B.Tech (Mechanical) with valid GATE Score
 - ii. **Desirable :** ME / M.Tech (Machine Design / Thermal Engineering)
 - iii. **Area of Work:**
 - a) Development of Epoxy Tow Prepreg using hot melt technology; Development of Fibre Placement Technology for Composite Shells.
 - b) Design of pyro mechanisms, thermal and structural analysis
 - c) Design of Static Test Fixtures, Static Testing of Solid Rocket Motors

- 3). **For JRF: Post No. 03 - 2 Posts**
- i. **Essential :** First Class B.Tech (Chemical / Polymer Tech) or First Class M.Sc (Polymers / Chemistry) with valid GATE / NET Score
 - ii. **Desirable :** ME / M.Tech in Polymer Technology / Science.
 - iii. **Area of Work:** Development and characterization of Advanced Polymer Matrix Composites and Resin formulation
- 4). **For JRF: Post No. 04 - 1 Post**
- i. **Essential :** First Class B.Tech (ECE) with valid GATE Score
 - ii. **Desirable :** ME / M.Tech in relevant field or experience in RF / Microwave Circuits / Antenna Design and Measurement.
 - iii. **Area of Work:**
 - a) RF / Microwave Design, Measurement and Analysis
 - b) Antenna Design and Measurement
- 5). **For JRF: Post No. 05 - 2 Posts**
- i. **Essential :** First Class B.E / B.Tech (ECE / EIE) with valid GATE Score
 - ii. **Desirable :** ME / M.Tech in relevant field or two years' work experience.
 - iii. **Area of Work:**
 - a) VHDL / Verilog Programming for FPGA boards, Debugging, Testing, Verification & Validation, Digital circuits testing, Wireless sensor network.
 - b) Instrumentation for Static / Flight tests, Data acquisition Hardware / Software, Fibre optic network system

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Neatly type written application with complete bio-data should reach Director, Advanced System Laboratory, P.O., Kanchanbagh, Hyderabad – 500058 within 15 days of the date of publication of this advertisement. Affix a recent passport size photograph on the right top corner of the first page of application and also clearly indicate the post no. applied for below the photograph, Send a crossed Indian Post Order of Rs. 10/- drawn in favour of Director, ASL alongwith the application (candidates belonging to SC / ST and OBC are exempted from this payment). Candidates working in Govt. / Public Sector undertakings / Autonomous bodies should apply through proper channel.

Candidates will be required to produce certificates / testimonials in original at the time of interview.

It may be noted the offer of Fellowship does not confer on Fellow any right for absorption in DRDO.

Sd/-

(DS & DIRECTOR, ASL)

DAVP / 10301 / 11 / 0151 / 1819