



National Institute of Advanced Studies, Bangalore

Research Position in the area of International Strategic and Security Studies Programme

National Institute of Advanced Studies (**NIAS**) was founded in 1988 by the late Mr. J. R. D. Tata, who sought to create an institution to conduct advanced multidisciplinary research. Housed in a picturesque green campus in Bangalore the Institute serves as a forum to bring together individuals from diverse intellectual backgrounds, in Natural and Life sciences, Humanities, Social Sciences, and Conflict and Security studies. The philosophy underlying NIAS is given shape by its multidisciplinary research teams. The Institute is unique in its integrated approach to the study of intersections between Science and Technology, Philosophy, Social issues and Leadership. The objective is to nurture a broad base of Scholars, Managers and Leaders who would respond to the complex challenges that face contemporary India and Global society, with insight, sensitivity, confidence and dedication. For more details: www.nias.res.in

International Strategic and Security Studies Programme (**ISSSP**) has a distinctive interdisciplinary orientation and seeks to combine Science and Technology with the disciplines of International Relations, Economics and Political Science in understanding strategic and security developments in India and the world. The research team works on Science & Technology applications, Strategy and Policy oriented research. Research interests include Nuclear and Missile Technologies, Space Security, Maritime domain awareness, Advanced Weapon systems, Cyber Security and Artificial Intelligence as applied to Defence systems, Politico-strategic issues concerning India's Neighbourhood, Indian Ocean Region and Future War Scenarios.

For more details: <http://www.nias.res.in/research-schools-issp.php> and <http://issp.in/>

1. Title of Position/s:

Project Associate-I (4 nos.)

2. Job description:

Study the worldwide Weapon Systems and Technology development trends with respect to certain class of weapon systems. The systems to be studied will include Hypersonic Weapons, Underwater Systems, Advanced Combat vehicles, and Combat Aircraft. The studies will involve comprehensive literature survey, data mining, synthesis and analysis.

- a) Literature Survey of information available in open domain to list out Systems operationalized by major military powers and Advanced systems under development in these countries. Bring out the leading particulars and functional capabilities of these systems

- b) Analysis of information available on technology forecasts and approaches in various forums relating to specific Technology approaches/updates in leading countries
- c) Performance assessment of the Weapon Systems
- d) Analysis of critical enabling technologies which define the capabilities of the Weapon Systems, and their current and emerging trends specifically in Propulsion system, Radars, Electro-Optic systems, Sonars and Electronic warfare systems

The candidates will be guided by experts with domain experience in relevant systems.

3. Qualifications:

a) Essential:

- i. Post Graduate Degree in Aerospace Engineering / Mechanical Engineering (2 nos.)
- ii. Post Graduate Degree in Electronics & Communications Engineering / Computer Science Engineering (2 nos.)
- iii. Candidates with a minimum of 2 years relevant research experience, post Masters degree will be considered for the level of Project Associate-II.

b) Desirable:

- i. Academic / Research experience in the field of military and Space systems
- ii. Candidates with NET/GATE or Equivalent examination with a good grade

4. Mode of Application:

Interested applicants should submit their curriculum vitae electronically along with the following documents:

- a) Covering letter
- b) Statement of Purpose
- c) Copy of degree certificate

The last date for receiving applications is **5th October 2020**. Short-listed candidates will be invited for an online interview.

Salary will be commensurate with qualifications and experience and comparable to other premier institutions in the country.

5. The applications should be addressed to:

Prof. Srikumar Pullat
Head, ISSSP
National Institute of Advanced Studies
Indian Institute of Science Campus
Bangalore-560, 012, India
E-mail: psrikumar@nias.res.in