



Government of India, Department of Space
 Indian Institute of Space Science and Technology
 [Declared as Deemed to be University under Sec.3 of the UGC Act 1956]
 Valiamala PO, Thiruvananthapuram -695 547, Kerala

REQUIREMENT OF FACULTY – ASSISTANT PROFESSOR

Indian Institute of Space Science and Technology (IIST), India's first Space University was established under the Department of Space in September 2007. IIST is presently offering Four year B.Tech Programmes in "Aerospace Engineering", "Electronics and Communication Engineering (Avionics)", Five year Dual degree (B.Tech + Master of Science/ M.Tech), M.Tech, PhD and Post Doctoral Fellowship (PDF) Programmes in specific areas of Space Science and Technology. IIST provides a vibrant and stimulating environment for research in almost all areas of Aerospace Engineering, Electronics and Communication Engineering (Avionics) and Basic Sciences. The Institute has the state-of-the-art facilities including high performance computing facilities to create the right research ambiance. IIST is also having research collaborations and scientific exchanges with reputed national and international academic, research organizations.

The Institute invites applications for the post of **ASSISTANT PROFESSOR** in following areas of specialization:

DEPARTMENT	POST NO.	AREA OF SPECIALIZATION	EDUCATIONAL QUALIFICATION
Aerospace Engineering	APAE 01/2022	Structural Mechanics / Composite Mechanics/ Stress Analysis / Continuum Solid Mechanics	PhD in the relevant area of specialisation with visible research output; with first class or equivalent at Bachelors Degree in Mechanical / Aerospace Engineering or related field and Masters Degree in Mechanical / Aerospace Engineering or related field. OR PhD in the relevant area of specialisation with visible research output; with first class or equivalent at Bachelors Degree in Mechanical / Aerospace Engineering or related field.
	APAE 02/2022	Machine Design / Synthesis / Mechanisms	PhD in the relevant area of specialisation with visible research output; with first class or equivalent at Bachelors Degree in Mechanical / Aerospace Engineering or related field and Masters Degree in Mechanical / Aerospace Engineering or related field. OR PhD in the relevant area of specialisation with visible research output; with first class or equivalent at Bachelors Degree in Mechanical / Aerospace Engineering or related field.

DEPARTMENT	POST NO.	AREA OF SPECIALIZATION	EDUCATIONAL QUALIFICATION
Aerospace Engineering	APAE 03/2022	Space Flight Dynamics & Mission Design	<p>PhD in the relevant area of specialisation with visible research output; with first class or equivalent at Bachelors Degree or equivalent in Mechanical / Aerospace Engineering or related field and Masters Degree in Mechanical / Aerospace Engineering or related field.</p> <p style="text-align: center;">OR</p> <p>PhD in the relevant area of specialisation with visible research output; with first class or equivalent at Bachelors Degree or equivalent in Engineering.</p>
Avionics	APAV 01/2022	Quantum Computing (Computer Science)	<ul style="list-style-type: none"> • PhD in the relevant area of specialisation with visible research output; with first class or equivalent in Masters Degree in Computer Science/ Computer engineering / Signal processing or related fields. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • PhD in the relevant area of specialisation with visible research output; with first class or equivalent B.Tech in Computer Science / Computer engineering. <p><u>Desirable:</u></p> <ul style="list-style-type: none"> • The ideal candidate must have working experience in designing quantum algorithms / quantum computing systems. • Should have good publication record in high impact journals and reputed conferences.
	APAV 02/2022	Intelligent Robotics, Control and Cyber-Physical Systems (Computer Science / Signal Processing)	<ul style="list-style-type: none"> • PhD in the relevant area of specialisation with visible research output; with first class or equivalent at Masters Degree in Digital Signal Processing(DSP) / Computer Science / Computer Engineering / Control Systems or related fields. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • PhD in the relevant area of specialisation with visible research output; with first class or equivalent B.Tech in Computer Science / Computer engineering / ECE or related field.

DEPARTMENT	POST NO.	AREA OF SPECIALIZATION	EDUCATIONAL QUALIFICATION
			<u>Desirable:</u> <ul style="list-style-type: none">• The ideal candidate must have working experience in designing intelligent robotic systems.• Should have good publication record in high impact journals and reputed conferences.
Mathematics	APMA 01/2022	Machine Learning / Soft Computing / Artificial Intelligence	PhD in the relevant area of specialisation with visible research output; with first class or equivalent at Bachelors Degree in Computer Science / M.Sc in Mathematics / Applied Mathematics or related field.

Candidates should possess the required qualification as on the last date of receipt of application. Only Indian Nationals are eligible to apply.

Emoluments as on date: Level 12 of the Pay Matrix. The gross emoluments in the minimum of pay band will at present be approximately Rs. 1,00,320/- p.m. In addition, House Rent Allowance [HRA] and Transport Allowance at the prescribed rates in force will be paid for those who are not availing Departmental Housing, Transport facility, respectively.

Age Limit as on 22.08.2022 : 40 years (Age relaxation applicable as per Government of India orders)

Career Growth: Merit Promotion Scheme after pre-defined residency period by virtue of individual excellence, without any reference to vacancies.

Other facilities: Medical facilities for self and dependants, Canteen facility, Leave Travel Concession, Group Insurance etc., as per Central Government orders and support for research. The application in the prescribed format can be sent by post to: **Deputy Registrar (Gr.I), Administration, Recruitment & Review Section, Indian Institute of Space Science and Technology, Valiamala PO, Nedumangad, Thiruvananthapuram – 695 547, Kerala** with the superscription on the cover as “Application for the post of _____ Post No._____”.

LAST DATE FOR RECEIPT OF APPLICATION: August 22, 2022

General Conditions

1. The qualification prescribed is minimum requirements and do not automatically make candidates eligible to be called for seminar/ interview.
2. Institute reserves the right not to fill up all or any of the posts.

3. Age relaxation upto maximum of five years will be awarded for serving academicians in Government Institutions.
4. Applications from candidates working in Government Departments and Public Sector undertakings should be forwarded through proper channel. However, an advance copy may be submitted.
5. The applicants are expected to have passion for teaching and communicating research outcomes to a wider audience.
6. Government strives to have a workforce which reflects gender balance and women candidates are encouraged to apply.
7. Canvassing in any form will be a disqualification.
8. Applications received after the last date will not be considered under any circumstances.

Advt. No. IIST/Admn/RMT/05/2022 Dated 21.07.2022