



Indian Institute of Space Science and Technology

[A deemed to be University under Sec.3 of the UGC Act 1956]

Government of India, Department of Space
Thiruvananthapuram -695022

Requirement of Faculty – Professors, Associate Professors & Assistant Professors

Indian Institute of Space Science and Technology (IIST), Asia's first Space University was established under the Department of Space in September 2007. IIST is presently offering 4-year B. Tech programmes in "Aerospace Engineering", "Avionics" and "Physical Sciences". Ph. D programmes have already been initiated, while the M. Tech programmes and Post-Doctoral Fellowship in specific areas of Space Science and Technology will be offered soon. IIST provides a vibrant and stimulating environment for research works and the Institute is setting up state-of-the-art facilities including high performance computing facilities to create the right research ambience. IIST will also have research collaborations and scientific exchanges with reputed national and international academic and research organisations. The first phase of construction of IIST's permanent campus, spread over an area of 90 acres at Valiamala near Thiruvananthapuram, is nearing completion.

The Institute now offers the following faculty positions:

Post No.	Name of the Post	Educational Qualifications	Area of Specialisation
PAE-01	Professor in Aerospace Engineering	B.Tech in Aerospace Engineering / Mechanical Engineering M.Tech in Aerospace Engineering / Mechanical Engineering Ph.D in Aerospace Engineering	Flight Dynamics, Aerospace Systems Design
PAV-01	Professor in Avionics	B.Tech in Electronics M.Tech in Computer Science and Engineering Ph.D in Computer Science and Engineering	Networks, Data Base Management Systems, Protocols
PAV-02	Professor in Avionics	B.Tech in Electronics and Communication Engineering M.Tech in RF and Microwave Communications Ph.D	RF and Microwave, Components and circuits
ASMA - 01	Associate Professor in Mathematics	M.Sc in Mathematics Ph.D in Mathematics	Chaos theory / Non – linear analysis / Finite Element Methods / Partial Differential Equations / Differential Geometry / Dynamical Systems / Functional Analysis
ASPH - 01	Associate Professor in Physics / Earth & Space Sciences	M.Sc in Physics Ph.D in Astronomy / Astrophysics	Astronomy / Astrophysics
ASCH - 01	Associate Professor in Chemistry	M.Sc in Chemistry Ph.D in Chemistry	Biomedical Polymers / Ceramics and High Temperature Materials

APAE - 01	Assistant Professor in Aerospace Engineering	B.Tech in Aerospace Engineering / Mechanical Engineering / Metallurgy and Material Science. M.Tech in Aerospace Engineering / Mechanical Engineering / Metallurgy and Material Science. Ph.D in Aerospace Engineering / Metallurgy and Material Science	Metallurgy and Material Science
APAE - 02	Assistant Professor in Aerospace Engineering	B.Tech in Aerospace Engineering / Mechanical Engineering M.Tech in Aerospace Engineering / Mechanical Engineering Ph.D in Industrial Engineering and Management	Industrial Engineering and Management
APAE - 03	Assistant Professor in Aerospace Engineering	B.Tech in Aerospace Engineering / Mechanical Engineering M.Tech in Aerospace Engineering / Mechanical Engineering Ph.D in Aerospace Engineering	Flight Mechanics
APAE - 04	Assistant Professor in Aerospace Engineering	B.Tech in Aerospace Engineering / Mechanical Engineering M.Tech in Aerospace Engineering / Mechanical Engineering Ph.D in Aerospace Engineering	Aircraft and Space Craft Design
APAV - 01	Assistant Professor in Avionics	B.Tech in Electronics and Communication Engineering / M.Tech in RF and Microwave Communications Ph.D	Microwave Components and Circuits
APAV - 02	Assistant Professor in Avionics	B.Tech in Electronics M.Tech in Computer Science and Engineering Ph.D in Computer Science and Engineering	Computer Networks, Protocols
APAV - 03	Assistant Professor in Avionics	B.Tech in Electrical Engineering / Electronics M.Tech in Power Electronics Ph.D	Power Electronics
APAV - 04	Assistant Professor in Avionics	B.Tech in Electrical Engineering M.Tech in Avionics Ph.D in relevant area	Inertial Systems and Instrumentation
APAV - 05	Assistant Professor in Avionics	B.Tech in Electronics / Computer Science and Engineering M.Tech in Image Processing / Pattern Recognition Ph.D in Image processing / Pattern Recognition	Image Processing / Pattern Recognition / Computer Vision
APMA - 01	Assistant Professor in Mathematics	M.Sc in Mathematics Ph.D in Mathematics / Computer Science and Engineering	Cryptography, Computational Mathematics
APMA - 02	Assistant Professor in Mathematics	M.Sc in Mathematics Ph.D in Mathematics	Partial Differential Equations / Numerical Methods

APES – 01	Assistant Professor in Earth and Space Sciences	M.Sc in Physics / Oceanography M.Tech in Physics / Oceanography Ph.D in Oceanography	Physical Oceanography
APES - 02	Assistant Professor in Earth and Space Sciences	M.Sc or M.Tech in Geology or allied areas Ph.D	Solid Earth Studies
APES - 03	Assistant Professor in Earth and Space Sciences	M.Sc in Physics / Meteorology Ph.D in Meteorology	Experimental Atmospheric Science
APES - 04	Assistant Professor in Earth and Space Sciences	M.Sc in Physics Ph.D in Astrophysics / Astronomy	Astrophysics / Astronomy
APPH – 01	Assistant Professor in Physics	M.Sc in physics Ph.D in Physics	Theoretical Physics
APPH – 02	Assistant Professor in Physics	M.Sc in physics Ph.D in Physics	Atomic and Molecular Physics
APPH - 03	Assistant Professor in Physics	M.Sc in physics Ph.D in Adaptive Optics	Adaptive Optics
APCH - 01	Assistant Professor in Chemistry	B.Tech in Chemical Engineering M.Tech in Chemical Engineering Ph.D	Chemical Engineering
APHU-01	Assistant Professor in Humanities	M.A in Sociology Ph.D in Social Sciences	Social Sciences

Note:

- Should possess Ph.D degree in relevant area of specialization.
- Should possess **first class** in B.Sc./B.E./B.Tech./B.A and M.Sc. /M.E. /M. Tech/ M.A.
- Experience for Professor : Five years at Associate Professor Level
- Experience for Associate Professor : Four years Teaching/ Research Experience of which at least 2 years should be at Assistant Professor level
- Assistant professor : Significant research contribution.
- Only Indian Nationals need apply. Indian Nationals staying abroad can also apply.

Age Limit: 45 years for Professors and Associate Professors; 40 years for Assistant Professor.

Emoluments: Pay band 4 (Rs.37,400-67,000/- with Grade Pay of Rs.8,900/-) for Professor.

Pay band 4 (Rs.37,400-67,000/- with Grade Pay of Rs.8,700/-) for Associate Professor.

Pay band 3 (Rs.15,600-39,100/- with Grade Pay of Rs.7,600/-) for Assistant Professor.

+ HRA-20% and DA-27%.

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

Other facilities: Comprehensive medical coverage, subsidized canteen facility, support for research etc.

General Conditions:

- The qualification and experience prescribed are minimum requirements and do not automatically make candidates eligible to be called for interview.
- Institute reserves the right not to fill-up all or any of the posts.
- Age relaxation up to maximum of five years will be awarded for serving academicians in Government Institutions.
- Applications from candidates working in Government Departments and Public sector undertakings should be forwarded through proper channel. However an advance copy may be submitted.
- Canvassing in any form will be a disqualification.

Application form can be downloaded from IIST website www.iist.ac.in and submitted electronically to ao@iist.ac.in or by post to: Administrative Officer, IIST, ATF Area, VSSC Campus, ISRO P.O., Thiruvananthapuram-695022. Applications should be superscribed as "Application for the post of _____, code - _____". The code should be prominently filled in the space provided in the Application form also.

Last Date of Receipt of Applications : 25.11.2009

Advt . No: IIST- 16/2009 dated 06.11.2009