INDIAN INSTITUTE OF SPACE SCIENCE AND TECHNOLOGY
(Declared as Deemed to be University under section 3 of the UGC act 1956)
Thiruvananthapuram – 695547

IIST Ph.D. Programme – January2023 Admissions

Indian Institute of Space Science and Technology envisions basic and applied research for meeting the national R&D requirements of Science and Technology in general and the Indian Space Programme in particular. The institute provides a vibrant research atmosphere and offers doctoral and post-doctoralprogrammes.

Applications are invited from highly motivated applicants for admission to the Ph.D. Programme starting in January 2023, in the departments given below: -

(i) Aerospace Engineering
(ii) Avionics
(iii) Chemistry
(iv) Earth and Space Sciences
(v) Humanities
(vi) Mathematics
(vii) Physics

Eligibility

1. Nationality: Applicant should be an Indian citizen.

2. Age Limit: Applicant should be **below 35 years as on12.12.2022**. Age relaxation is applicable as per Government Rules.

Minimum Qualifications:

1. **Applicants with Master's Degree in Engineering/Technology as their highest qualifying degree**

- Master's Degree in Engineering/Technology with 60% marks or 6.5 CGPA on a scale of 10 or equivalent (55% marks or 6.00 CGPA for OBC/EWS/SC/ST/PwD) in the qualifying master's degree.
- Master of Science in Engineering or equivalent from leading foreign Universities with minimum CGPA 8/10 or 3.6 /4 or equivalent.

2. **Applicants with Bachelor's Degree in Engineering/Technology as their highest qualifying degree**

- Bachelor's Degree in Engineering/Technology with 75% marks or 8.0 CGPA on a scale of 10 or equivalent (70% marks or 7.50 CGPA for OBC/EWS/SC/ST/PwD) in the Qualifying Bachelor' degree. **They should have a valid GATE score.**

Candidates in the following categories are exempted from the requirement of GATE score: -

i) Bachelor's Degree in Engineering/Technology from Indian Institute of Technology (IIT) /Indian Institute of Space Science and Technology (IIST) with 8.00 CGPA (CGPA of 7.50 for OBC/EWS/SC/ST/PwD) on a scale of 10 or equivalent in the Qualifying Bachelor's degree

ii) Applicants with Dual degree (Bachelors in Engineering and Masters in Science from IITs and Indian Institute of Space Science and Technology) with minimum score in Bachelor's degree as mentioned above

iii) Applicants who have cleared a National level eligibility test, such as a valid **UGC-CSIR-NET-JRF/Lectureship or NBHM/JEST** in the relevant disciplines. Applicants applying with their JEST score should have secured a rank within the first 400.

3. Applicants with Master's Degree in Science as their highest qualifying degree

- Master's Degree in the relevant area with a minimum of 60% marks or 6.50 CGPA on a scale of 10 or equivalent ((55% marks or 6.00 CGPA for OBC/EWS/SC/ST/PwD) in the Qualifying Master's degree. They must have cleared a National level eligibility test, such as a valid **UGC-CSIR-NET-JRF/Lectureship or NBHM/JEST/GATE** in the relevant disciplines.
- Applicants applying with GATE score should have a valid GATE score of minimum 300 (285 for OBC / EWS / SC/ST/PwD categories) in a Science discipline. Applicants applying with JEST should have JEST rank within the first 400.

4. Applicants with Bachelor's Degree with four-year duration in Science as their highest qualifying degree

- Bachelor's Degree (4 years' duration) in Science with 75% marks or 8.0 CGPA on a scale of 10 or equivalent (70% marks or 7.50 CGPA for OBC/EWS/SC/ST/PwD) in the Qualifying Bachelor's degree.
- They must have cleared a National level eligibility test, such as a valid UGC-CSIR-NET-JRF/Lectureship or NBHM/JEST/GATE in the relevant discipline.
- Applicants applying with GATE score should have a valid GATE score of minimum 400 for General Category (380 for OBC / EWS / SC/ST/PwD categories) in a Science discipline or valid JEST rank within the first 400.

5. **Applicants with Master's Degree in Humanities/Management/Social Sciences as their highest qualifying degree**

- Master's Degree in the relevant area of Humanities/Management / Social Sciences with a minimum of 60% marks or 6.5 CGPA on a scale of 10 or equivalent in the Qualifying Master's degree (55% marks or 6.00 CGPA for OBC/EWS/SC/ST/PwD). They must have cleared a national level eligibility test, such as a valid UGC-NET-JRF/Lectureship.

6. **Applicants with Bachelor's Degree with four year duration in Humanities/Management/Social Sciences as their highest qualifying degree**

- Bachelor's Degree (4 years' duration) in **Humanities/Management/Social Sciences** with 75% marks or 8.0 CGPA on a scale of 10 or equivalent (70% marks or 7.50 CGPA for OBC/EWS/SC/ST/PwD) in the Qualifying Bachelor' degree.
- They must have cleared a National level eligibility test, such as a valid UGC- NET-JRF/Lectureship in the relevant discipline.

Selection Procedure:

For candidates with M.E/M.Tech./B.E/B.Tech as their highest qualifying degree, selection to the PhD programmewill be based on **online screening test** followed by an interview. **Interview will be conducted through Video Conference mode.** However, candidates with a valid **UGC-CSIR-NET-JRF/Lectureship/NBHM/JEST** post their ME/M.Tech/B.E/B.Tech will be directly called for the interview **through Video Conference mode.**

For candidates with Master's degree in Sciences, Humanities, Management, Social Sciences/Dual Degree applicants (B.Tech and Master of Science from IITs/IIST)/ four years' undergraduate degree in Sciences, Humanities, Management, Social Sciences as their highest qualifying degree and having a valid score card/certificate in any of the National level eligibility tests (listed in the minimum qualifications), **selection to the programmewill be based on an interview through Video Conference mode**.

Applicants who are employed in Government/ Semi Government/ PSUs/ Autonomous Bodies should produce a "No Objection Certificate (NOC)" from the current employer at the time of Interview.

Research Areas for January 2023 PhD Admission

Table 1(Funded by IIST)

Department of Aerospace Engineering – Number of research positions available : 9

Sl No	Department code	Broad Area	Eligibility
01	**PAE01**	High speed flows (CFD and Experimental)	ME/M.Tech / MS in Aerospace/Mechanical/Engineering Mechanics or equivalent specialization related to thermal and fluid science **OR** BE/B.Tech in Aerospace/ Mechanical/ Chemical/Engineering Mechanics or equivalent
02	**PAE02**	Combustion	
03	**PAE03**	Fluid Dynamics	
	Syllabus for screening test PAE01, PAE02 & PAE03 Please click this link for syllabus.		
04	**PAE04**	Structural Mechanics/Solid Mechanics/ Mechanics of Composites	ME/M.Tech / MS in Aerospace, Mechanical, Civil, Materials or allied branches in engineering **OR** BE/B.Tech in Aerospace, Mechanical, Civil, Materials or allied branches in engineering
	Syllabus for screening test Please click this link for syllabus.		

Under ASRG Project

Sl No	Department code	Broad Area	Eligibility
05	**PAE05**	Metal Additive Manufacturing for Space Applications	B.Tech/BE or equivalent in Mechanical Engineering / Production Engineering or equivalent, AND Masters (M.Tech/ME/MS) in Manufacturing Technology / Production Engineering/ Mechanical Engineering/ Additive Manufacturing / Materials and Metallurgy /Welding Technology (OR) equivalent areas
	Syllabus for screening test Please click this link for syllabus.		

<table>
<tr><th colspan="4">Department of Avionics – Number of research positions available : 14</th></tr>
<tr><th>Sl No</th><th>Department code</th><th>Broad Area</th><th>Eligibility</th></tr>
<tr><td>01</td><td>PAV01</td><td><u>Control system</u>

Control Systems, Space-craft Engineering, Satellite mission design, Data analysis for ionosphere studies, Power Systems and Control,microgrid control, etc.</td><td rowspan="7">M.Tech - Power Electronics / Power Systems / Control Systems/Industrial Electronics/Electrical Engineering, M.Tech in Computer Science/ Computer Science and Engineering/Electronics and Communication Engineering/Information Technology/equivalent or M.Tech / M.E / M.S or equivalent in Electronics/Electronics and Communication /Electrical / Electrical and Electronics / Communication / CommunicationNetworks / Telecommunication / Signal Processing / Machine learning /ComputerScience/Control-Systems/System-Science/Data-analytics
M.Tech/M.E in RF and Microwave Engineering/ Electronics and Communications, ME/M-Tech/MS in Microelectronics/Microsystems/ VLSI/Electronics/ Applied electronics/Solid State Technology/optoelectronics or equivalent. (OR) MS/MSc Electronics or equivalent or ME/M.Tech in VLSI and Microsystems/SignalProcessing/Digital Design/Embeddedsystems/Communication systems/ComputerVision, Image Processing/equivalent, M.Tech/M.E in Electronics and Communication/Digital Signal Processing/Communication Systems or equivalent
OR
B.Tech in Avionics, Computer Science and Engineering/Electronics and Communication Engineering/Information Technology/equivalent,Electrical Engineering, Electrical & Electronics Engineering, Electronics and Telecommunication, Electronics and instrumentation or equivalent</td></tr>
<tr><td>02</td><td>PAV02</td><td><u>Power electronics and power systems</u>

Power Electronics and Drives, Power Systems and Control, microgrid control, Power Electronics in distributed generation/microgrid/hybrid microgrids,</td></tr>
<tr><td>03</td><td>PAV03</td><td><u>Computer Science and Engineering</u>

Reinforcement Learning for Communication Networks, Advanced Computer Systems and Networks, Data Sciences, Web 3.0 technologies etc.</td></tr>
<tr><td>04</td><td>PAV04</td><td><u>RF and Microwave Engineering</u></td></tr>
<tr><td>05</td><td>PAV05</td><td><u>VLSI and MEMS</u>
VLSI design, Microelectronics, MEMS Devices and Sensors, Analog/RF IC design,</td></tr>
<tr><td>06</td><td>PAV06</td><td><u>Signal processing and Communication</u>
Hardware architectures for signal processing/Image processing/Machine Learning, Image Processing/Computer Vision/Machine Learning, Reinforcement Learning for Communication Networks, Wireless communication and Signal Processing, etc.</td></tr>
<tr><td></td><td colspan="3"><u>Syllabus for screening test</u>

Please click this link for syllabus.</td></tr>
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<table>
<tr><th colspan="4">Under ASRG Project</th></tr>
<tr><th>Sl No</th><th>Department code</th><th>Broad Area</th><th>Eligibility</th></tr>
<tr><td>07</td><td>PAV07</td><td>Machine learning/Deep learning(Tracking &Nowcasting of severe convective storms using deep learning (DL)/machine learning ML)techniques) (ASRG-ISTRAC)

Image processing/Machine Learning, image processing /Computer Vision/Reinforcement Learning, data analytics, Artificial Intelligence etc</td><td rowspan="2">M.Tech / M.E / M.S or equivalent in Electronics/Electronics and Communication/geo informatics/remote sensing/GISElectrical/Electrical and Electronics/Communication/CommunicationNetworks/Telecommunication/Signal Processing/ Machine learning/ComputerScience/Control-Systems/System-Science/Data-analytics or equivalent.

OR

B.Tech in Computer Science and Engineering/Electronics and Communication Engineering/Information Technology/equivalent. Good programming skills and knowledge in Data structures and algorithms is desirable.</td></tr>
<tr><td>08</td><td>PAV08</td><td>Machine learning, Deep learning and computer vision(Machine learning driven Augmented Reality based Campus Walkthrough). (ASRG-SAC)

Image processing/Machine Learning, image processing /Computer Vision/Reinforcement Learning, data analytics, Artificial Intelligence etc</td></tr>
<tr><td colspan="4"><u>Syllabus for screening test</u>

<u>Please click this link for syllabus.</u></td></tr>
<tr><th colspan="4">Department of Chemistry – Number of research positions available : 4</th></tr>
<tr><th>Sl No</th><th>Department code</th><th>Broad Area</th><th>Eligibility</th></tr>
<tr><td>01</td><td>PCH01</td><td>Nano functional materials/polymeric materials for energy/environmental/sensing applications</td><td>MSc/BS-MS in Chemistry (all branches) or equivalent /MSc Materials Science and allied areas/ M.Tech in Materials Science, Nanoscience& Technology, Polymer Technology, Chemical Engineering, Mechanical Engineering and related areas or equivalent

OR

B.Tech/BS in Materials Science, Nanoscience& Technology, Nanotechnology, Polymer Technology, Chemical Engineering, Mechanical engineering or equivalent</td></tr>
<tr><td></td><td colspan="3"><u>Syllabus for screening test</u>

<u>Please click this link for syllabus.</u></td></tr>
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02	**PCH02**	Bioastronautics	Masters in Chemical Engineering/ M.Tech in Materials Science and Technology/ Masters in Biotechnology/ Bioengineering/ Masters in Nanoscience/ Nanotechnology/ Polymer Science and Technology and related areas **OR** BE/B.Tech/BS in Chemical Engineering/ Biological sciences/ Materials Science/ Biotechnology/ Bioengineering and related areas
	Syllabus for screening test Please click this link for syllabus.		
Department of Earth and Space Sciences– Number of research positions available: 7			
Sl No	**Department code**	**Broad Area**	**Eligibility**
01	**PES01**	Atmospheric Modelling and Data Assimilation	M.Sc/M.Tech/Dual Degree in Meteorology/Atmospheric Science/Earth System Science/Physics or equivalent
	For PES01 Candidates with M. Sc as well as M. Tech qualification need to qualify any of the national level eligibility tests as mentioned in the minimumqualifications		
02	**PES02**	Remote Sensing and GIS	M.E/M.Tech/M.S in Geoinformatics/ Remote Sensing/GIS/ Computer Science/ Machine learning/Information technology /Signal Processing/Image Processing or relevant areas **OR** B.E/ B.TechGeoinformatics/Computer Science/Machine Learning/Information Technology
	Syllabus for screening test Please click this link for syllabus.		
03	**PES03**	Astronomy & Astrophysics	Master of Science in Physics / Astronomy & Astrophysics / Space Physics / Integrated MS (Physics) / BS-MS (Physical Sciences) or equivalent
04	**PES04**	Geology	M.Sc. in Geology/ Applied Geology/ Earth Sciences/Earth System Science/related fields.

Department of Humanities – Number of research positions available : 3			
Sl No	**Department code**	**Broad Area**	**Eligibility**
01	**PHS01**	Cultural Studies, Gender Studies	M A (Literature/Gender Studies/Cultural Studies/Mass Communication
02	**PHS02**	Operations and Supply Chain Management	M.E / M.Tech/ Master of Science (By Research) in Industrial Engineering / Manufacturing Engineering / Production Engineering / Production & Industrial Engineering / Industrial Engineering and Management / Technology Management / Industrial Management / Financial Engineering / M.B.A (Any Specialization) / related areas **OR** B.Tech/ BE in any branch of Engineering
	Syllabus for screening test Please click this link for syllabus.		
Department of Mathematics – Number of research positions available : 2			
01	**PMA01**	Machine Learning	M.Tech. /M.E. or equivalent degree in Computer Science/Electronics/Electrical/Machine Learning or related fields. M.Sc. or equivalent degree in Computer Science/Mathematics / Statistics or related fields. **OR** B.Tech ./ B.E. or equivalent degree in Computer Science/Machine Learning/Information Technology or related areas. Applicants must have a keen interest in Machine Learning.
	Syllabus for screening test Please click this link for syllabus.		
02	**PMA02**	Differential Equations, Functional Analysis and Applications	MSc / MS or equivalent degree in mathematics or applied mathematics

Department of Physics – Number of research positions available : 3			
Sl No	**Department code**	**Broad Area**	**Eligibility**
01	**PPH01**	Statistical Mechanics	M.Sc/MS/M.Tech in Physics/Solid State Physics or related areas **OR** B.Tech./B.E./B.S./B.Sc. (4 years) in Engineering physics/ Physical Sciences /Physics or related areas
02	**PPH02**	Classical Optics/Quantum Optics/Quantum Information (Theoretical/Experimental/Computational)	MSc/MS/M.Tech in Physics/Applied Physics/Photonics/Optical Engineering/Solid-State Physics or related areas **OR** B.Tech./B.E./B.S./B.Sc. (4 years) in Engineering physics/ Physical Sciences /Physics or related areas
	For PPH01 and PPH02 Candidates with M. Sc as well as M. Tech qualification need to qualify any of the national level eligibility tests as mentioned in the minimum qualifications		

Table 2: External Fellowship Holders

Candidates **having a valid fellowship from** Government agencies such as DST, CSIR, NBHM, UGC or State Government Science and Technology Scheme etc. only are eligible to apply for the positions given in this list. They should have a valid score card/certificate in any of the National level eligibility tests (listed in the minimum qualifications. Such candidates will be selected based on an Interview.

Sl. No.	Department code	Broad Area	Eligibility
Department of Avionics – Number of research positions available : 10			
01	**EAV01**	Power Electronics in distributed generation/microgrid/hybrid microgrids	M.Tech/M.E. in Power Electronics or equivalent. Prospective candidate must have done final year M.Tech dissertation in the area of Power Electronics. Experience in designing and building hardware setup would be preferred.
02	**EAV02**	Artificial Intelligence-driven Computer Networks, Data sciences, Artificial Intelligence-driven Internet, Web 3.0 technologies, Industry 4.0, Advanced Computer Systems, and Networks	B.Tech and M.Techor BSc/MScin Computer Science/ Computer Science Engineering/Electronics and CommunicationEngineering/Information Technology/equivalent. Good programming skills and knowledge in Data structures and algorithms is desirable.

03	**EAV03**	Image Processing/Computer Vision/Machine Learning	B.Tech in Electronics and communication/Computer Science/Information Technology/equivalent and MTech in Signal Processing/Communication/VLSI/Digital design/Embedded systems/Machine Learning/Information Technology/Computer Science/ Data Science/equivalent.
04	**EAV04**	Microelectronics, MEMS Devices and Sensors	ME/M-Tech/MS in Microelectronics/Microsystems/ VLSI/Electronics/ Applied electronics/Solid State Technology/ optoelectronics or equivalent. **OR** MS/MSc Electronics or equivalent. Interest and experience in device or sensor design/microfabrication is desirable.
05	**EAV05**	Space weather, Space Mission, Control Systems	M.Sc Physics/Mathematics or related areas and having B.Sc Physics/Mathematics or related areas **OR** ME/MTech in control systems, Navigation and guidance or equivalent areas
06	**EAV06**	Power Electronic and Drives	ME/MTech in Power Electronics/Electrical Engineering/Industrial Electronics/Power systems or equivalent
07	**EAV07**	RF and MW	ME/MTech in RF and Microwave/communication/Electronics or equivalent (OR) MS/MSc in Electronics or equivalent. Interest and experience in Antenna/RF design is desirable
Department of Chemistry – Number of research positions available : 10			
01	**ECH01**	Nano functional materials/polymeric materials for Energy/environmental/sensing applications	MSc/BS-MS in Chemistry (all branches) or equivalent /MSc Materials Science and allied areas, M.Tech in Materials Science, Nanoscience& Technology, Polymer Technology, Chemical Engineering, Mechanical Engineering and related areas or equivalent **OR** B.Tech/BS (4years) in Materials Science, Nanoscience& Technology, Nanotechnology, Polymer Technology, Chemical Engineering, Mechanical engineering or equivalent

02	**ECH02**	Biofunctional materials	M.Sc/BS-MS Chemistry (all branches) or equivalent/MSc Materials Science/ MSc Biochemistry/Masters in Biosciences and allied areas **OR** BS (4 years) in Biochemistry/Materials Science/ Biosciences and allied areas
Department of Earth and Space Sciences – Number of research positions available : 3			
01	**EES01**	Remote Sensing and GIS	Masters in Geoinformatics/ Remote Sensing/GIS/Agriculture/Environmental Engineering/Forestry/ Natural resource management/Computer Science/ Machine learning/Information technology /Image Processing and relevant areas
02	**EES02**	Geology	M.Sc. in Geology/ Applied Geology/ Earth Sciences/Earth System Science/related fields.
Department of Humanities – Number of research positions available: 5			
01	**EHS01**	Cultural Studies, Gender Studies	M A (Literature/Gender Studies/Cultural Studies/Mass Communication or Equivalent
02	**EHS02**	Sociology	M A in Sociology or Equivalent
03	**EHS03**	Economics	M A / MSc Economics / Analytical Economics / Mathematical Economics / Development Economics / Econometrics or Equivalent
04	**EHS04**	Operations and Supply Chain Management	M.E / M.Tech/ Master of Science (By Research) in Industrial Engineering / Manufacturing Engineering / Production Engineering / Production & Industrial Engineering / Industrial Engineering and Management / Technology Management / Industrial Management / Financial Engineering / M.B.A (Any Specialization) / related areas **OR** B.Tech/ BE in any branch of Engineering
Department of Mathematics – Number of research position available : 1			
01	**EMA01**	Computational Partial Differential Equations	MSc / MS or equivalent degree in mathematics or applied mathematics

Table 3: External Projects

Sl. No	Department code	Broad Area& Project Title	Eligibility
Department of Aerospace Engineering – Number of research position available : 1			
01	**EPAE01**	Nonlinear Dynamics of Flexible Gears(Dynamic Analysis of Flexible Gears ;)	ME/M.Tech / MS in Mechanical, Aerospace or allied branches in engineering **OR** BE/B.Tech in Mechanical, Aerospace or allied branches in engineering
Syllabus for screening test Please click this link for syllabus.			
Department of Avionics – Number of research positions available : 3			
01	**EPAV01**	**Nanostructured** (Micro/nanoelectronics/MEMS) based Gas sensors for Exhale breath analysis(Design and Development of Low Power, Low Cost, High-Performance Gas Sensor Array for Exhale Breath analyzer: A Point-of-Care based Non- Invasive Early Detection and Prognosis of CardiovascularDiseases)	ME/ M.Tech/MS in any discipline
	Syllabus for screening test Please click this link for syllabus.		
02	**EPAV02**	**6G Networks** (Architectures and Protocols for Integrated 6G-Satellite Networks)	B.Tech and M.Tech in Computer Science/Computer Science and Engineering/Electronics and Communication Engineering/Information Technology/equivalent. Good programming skills and knowledge in Data structures and algorithms is desirable.
Syllabus for screening test Please click this link for syllabus.			
03	**EPAV03**	**Control and Signal/Bio-Signal Processing** (Applications of Fractional Order Calculus to Biomedical Signal Processing)	ME/M.Tech/MS in Signal Processing / Control Systems / Applied Electronics / Biomedical Engineering / Instrumentation / and equivalent areas
Syllabus for screening test Please click this link for syllabus.			

Department of Earth and Space Sciences – Number of research positions available : 3			
Sl. No	**Department code**	**Broad Area& Project Title**	**Eligibility**
01	**EPES01**	1. Hyperspectral imaging system development 2. Satellite geodesy and applications	M.Tech in Geoinformatics/Computer Science/Signal Processing/Optical Engineering/Microelectronics/Physics/Atmospheric Science/ or in a related area. Mathematics must be core course at undergraduate level
Syllabus for screening test Please click this link for syllabus.			
Department of Mathematics – Number of research positions available : 2			
01	**EPMA01**	Differential Equations, Functional Analysis, and Applications (Inverse Problems in Fluid Dynamic Models)	MSc / MS or equivalent degree in mathematics or applied mathematics
02	**EPMA02**	Computational Partial Differential Equations	MSc / MS or equivalent degree in mathematics or applied mathematics

RESEARCH FELLOWSHIP:

1) All scholars selected to the programme specializations listed in Table 1 shall receive a fellowship of ₹31000/- per month. (Research Scholars selected with UGC/CSIR/NET-JRF/NBHMand State Government Science and Technology Scheme etc., shall draw fellowship from the concerned organizations). For all research scholars with external fellowship, the concerned rules and regulations of the funding agency apply.
2) The fellowship will be enhancedto ₹35,000/- per month based on a performance review after two years ofResearch.
3) The scholars will be required to assist the Departments in tutorials, practical training in labs or similar academic activities normally limited to 6 hours per week.
4) The scholars will have to pay applicable fees as well as charges for the services provided by the Institute like boarding/lodging/medical facilities etc., as per IIST rules.
5) For those who receive fellowship from agencies such as DST, CSIR, NBHM, UGC and candidates who have been provided research fellowship by State Government Science and Technology Scheme through competitive written test etc., the Institute will not bear the fellowship of the student if the same is stopped due to any reasons by the concerned agency.
6) The Institute is completely residential and will provide accommodation to all the regular Ph.D students. However, in the event of shortage of rooms in the hostels, preference

will be givenfor room allotment to candidates whose fellowships are borne by the Institute.

FEE STRUCTURE:
(To be paid at the beginning of every semester)

Description of Fees	**Amount (Rs.)**
Tuition Fees(*)/ Semester	Rs.2500(*)
Other Fees/Semester	**Rs.4950**
Total Fee(A)	Rs.7450
Hostel Fee/ Semester	Rs.10250
Admission Fee (Non-Refundable) One-time	Rs.1500
Caution Deposit (Refundable)(One-time)	Rs.5000
Total Fee(B)	**Rs.16750(**)**
Mess Bill/(Nominal) in advance	Rs.18000 (#)
Grand Total 1st Semester (A+B)	Rs.42200
2nd Semester onwards (A+B-one time)	Rs.35700

Note:

- **A candidate who confirms the seat has to remit Seat Acceptance fee of Rs. 4950/-**
- (*****) SC/ST/PwD students are exempted from payment of Tuition Fees.
- **(**) Will be collected at the time of physical reporting at the Institution.**
- **(#)**3000 p.m. X 6 months as advance will be collected after the student physically reports to the Institute by Canteen Office
- Additional fees: Supplementary Examination fees - Rs.100/- per paper and Thesis Submission - Rs.1000/- and Convocation fees - Rs.2000/- & Alumni Registration fees - Rs.500/-, which will be collected with the final semester fee.

GENERAL SELECTION PROCEDURE:

1) Applications will be received through on-line only.

2) **Candidates are permitted to apply up to maximum four broad research areas only, that includes research areas across different departments, if eligible**

3) **Candidates having fellowship from funding agencies such as DST, CSIR, NBHM, UGC,StateGovernment Science and Technology Scheme etc, applying to research areas in Table 2 may alsoapply for other research areas in Table 1 and Table 3, if eligible.**

4) Candidates are advised to visit the individual department profile for more details on the respective areas of research.

5) Candidates with valid fellowship from Government funding agencies shall upload a scanned copy of the fellowship award letter and indicate the period of fellowship validity.

6) A short-list of applicants for Online screening test or interview will be displayed in IIST admission portal**.**

7) **Online screening test will be held on 21 December 2022(Wednesday).**

8) Candidates screened in through the online screening test will be called for an interview **through Video Conference mode.**

9) **Selection Criteria based on Online screening test& Interview:**

(i) The candidates who have participatedintheOnline screening test will be shortlisted if they secure a minimum of 50 % combined for Section A (Section A comprises questions based on Aptitude and class 12 Mathematics) and Section B (the research area).

(ii) There will be a relaxation of 5 % for SC/ST/PWD and OBC / EWS candidates, i.e., SC/ST/PWD and OBC / EWS candidates require a combined mark of 45 % and above for Section A and Section B together.

(iii) There will be a 70 % weightage for the PhD Online screening test and 30 % weightage for the interview.

(iv) A candidates securing less than 10 marks out of 30 marks in the interview will not be selected irrespective of category and irrespective of the performance in the Online screening test.

(v) The combined mark for the PhD Online screening test and interview for a UR candidatesshould be 60 % and above to be selected and for the SC/ST/PWD and OBC / EWS candidates, the combined mark for the PhD Online screening test and interview should be 55 % and above.

10) Provisionally selected candidates list, after the interview, will be displayed in the IIST admission portal.

11) Admissions are governed by Ph.D Rules and Regulations of IIST. (https://www.iist.ac.in/academics/rules-regulations).

12) **The date of the Online screening test will not be changed under any circumstances. The date of interview span over a period of several days. In case the date and time of the interview clashes with the applicant's End semester examination in his/her qualifying examination, the Institute will consider shifting the date and time of interview within the overall window available.**

13) During interview, candidates will be tested in their main research area and not restricted to the syllabus of the Online screening test.

14) **Ph.D scholars with B. Tech/BS (4 years) as their highest qualification need to undergo additional course work, as prescribed the institute.**

HOW TO APPLY:

1) Applications shall be submitted**online** at the IIST website: https://admission.iist.ac.in. Applications received online only will be considered.

2) The applicants will not be allowed to make any changes in their registration profile once submitted. Hence utmost care should be taken by the applicants while filling their profile.

3) Application fee for General/EWS/OBC candidates who are male is Rs. 700/- per Department (for SC/ST/PWD and Women applicants - Rs.350/- per Department). If the applicant is eligible and wishes to apply for more than one Research Area in the same Department, he/she need not pay any additional application fee. The application fee is non-refundable. Applicants, who wish to apply to multiple departments, will have to pay the appropriate application fee (sum of the application fee for each department).

4) The application fee shall be paid through online after completing the process ofregistration.

5) Applicants who are employed in Government/Semi Government/PSUs/ Autonomous Bodies need to produce a "No Objection Certificate (NOC)" from the current employer at the time of Interview.

6) SC/ST/OBC (Non-Creamy Layer)/EWS/Persons with Disabilities (PwD) candidates shall upload the relevant certificates as per the format available in admission portal before the last date of online application. **GEN-EWS/OBC-NCLcandidates need to produce updated certificate issued on or after 01/04/2022 during the reporting at the Institute**.

7) Applications of GEN-EWS/OBC-NCL/SC/ST/PwD candidates will be processed only after the receipt of the relevant proof online. In other words, non-submission of proof online will lead to rejection of application.

IMPORTANT DATES		
Sl. No.	**Event**	**Date**
1.	Opening of IIST website for online submission of applications	24.11.2022(Thursday) - 1600 hrs
2.	Closing of IIST website for online submission of applications	12.12.2022(Monday) – 2359 hrs
3.	Display of shortlisted candidates for Test	16.12.2022(Friday) – 1700 hrs
4.	Date of online screening test	21.12.2022 (Wednesday) – 0900 hrs
5.	Publishing of screening test results	26.12.2022(Monday) – 1700 hrs
6.	Interview Dates	29.12.2022 to 31.12.2022 – 0900 – 1700 hrs
7.	Display of provisionally selected candidates	04.01.2023(Wednesday) – 1700 hrs
8.	Reporting date at the Institution	09.01.2023 (Monday) – 0930 hrs

9.	Classes begin for Ph.DProgramme	09.01.2023
10	Last date of Admission	25.01.2023