2019

Undergraduate Admission

Indian Institute of Space Science and Technology
(Declared as deemed to be University under Section 3 of the UGC Act, 1956)
Valiamala, Thiruvananthapuram – 695547, INDIA

Information Brochure

Admission website:
https://www.iist.ac.in/admissions/undergraduate

Online Admission Portal:
**http://admission.iist.ac.in**

15 May 2019

Vision

To be a world class educational and research institution contributing significantly to the Space endeavours.

Mission

⋆ *Create a unique learning environment enriched by the challenges of the Space Programme.*

⋆ *Nurture the spirit of innovation and creativity.*

⋆ *Establish Centres of Excellence in niche areas.*

⋆ *Provide ethical and value based education.*

⋆ *Promote activities to address societal needs.*

⋆ *Network with national and international institutions of repute.*
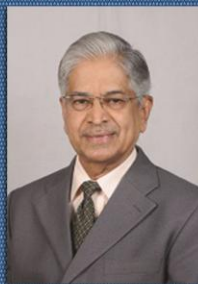
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Chancellor

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President, IIST Governing Body
Chairman, IIST Governing Council
Secretary, DoS /Chairman, ISRO

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Senior Professor & Registrar

Prof. A. Chandrasekar
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Dean (Student Activities, Student Welfare &
Outreach Programme)

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1. ABOUT THE INSTITUTE

Indian Institute of Space Science and Technology (IIST), situated at Thiruvananthapuram, Kerala, is a Deemed to be University under Section 3 of the UGC Act, 1956. IIST, established in 2007, functions as an autonomous institution under the Department of Space (DoS), Government of India. IIST was conceived with a vision to nurture exceptional manpower for the Indian Space Research Organization (ISRO), one of world's leading scientific organizations engaged in space research and space applications. The institute is the first of its kind in the country to offer high quality education at the undergraduate, graduate, doctoral and post-doctoral levels on areas with special focus towards space sciences, space technology and space applications.

Equipped with excellent infrastructure and about 100 highly qualified faculty members, IIST has, within a decade of its inception, risen to great heights. It is ranked among the top 30 Engineering institutes of the country according to the recent NIRF rankings of MHRD with a high score of more than 75% in Teaching, Learning and Resources which is a whole lot better than many premier institutes in the country. The institute currently offers three undergraduate and fifteen postgraduate programmes that are listed below.

Undergraduate Programmes

- B. Tech in Aerospace Engineering
- B. Tech in Electronics and Communication Engineering (Avionics)
- Dual Degree (B.Tech in Engineering Physics + Master of Science/ M.Tech in one of the following:
  - o Master of Science in Astronomy and Astrophysics
  - o Master of Science in Solid State Physics
  - o M. Tech in Earth System Science
  - o M. Tech in Optical Engineering

Postgraduate Programmes

- M.Tech. in Thermal and Propulsion
- M.Tech. in Aerodynamics and Flight Mechanics
- M.Tech. in Structures and Design
- M.Tech. in RF and Microwave Engineering
- M.Tech. in Digital Signal Processing
- M.Tech. in Control System
- M.Tech. in VLSI and Microsystems
- M.Tech. in Power Electronics

- M.Tech. in Materials Science and Technology
- M.Tech. in Earth System Science
- M.Tech. in Geoinformatics
- Master of Science in Astronomy and Astrophysics
- M.Tech. Machine Learning and Computing
- M.Tech. in Optical Engineering
- M.Tech. in Solid State Technology

In addition, IIST has a vibrant research environment with close to 200 PhD scholars engaged in frontline research areas. The academic programmes have been formulated to strengthen the fundamentals, provide hands-on experience through practical work, enhance the understanding and expand the boundaries of knowledge in various areas of interest. IIST focuses on inculcating the culture of innovation in students.

The curriculum labs are meticulously designed and the best experimental set-ups and equipments are provided. IIST has three Centres of Excellence in the areas of Advanced Propulsion and Laser Diagnostics, Virtual Reality and Nanoscience and Technology where students get to involve themselves in various advanced and sophisticated experiments. The many state-of-the-art research laboratories offer a unique learning environment for the students to delve into cutting-edge research.

IIST AT A GLANCE - 2019		
Strength of Departments		
	Faculty members	**Scientific/Technical Staff**
Aerospace Engineering	25	18
Avionics	24	9
Chemistry	8	5
Earth and Space Sciences	13	3
Humanities	5	0
Mathematics	11	3
Physics	13	8

Undergraduate Enrollment				
Year	**Aerospace Engineering**	**Avionics/ Electronics and Communication Engineering**	**Physical Sciences/ Dual Degree**	**Total**
2007	49	60	29	138
2008	51	64	33	148
2009	53	66	34	153
2010	53	60	34	147
2011	58	58	23	139
2012	53	54	25	132
2013	60	60	36	156
2014	60	60	33	153
2015	60	58	20	138
2016	60	60	20	140
2017	60	60	20	140
2018	60	60	20	140
Total	**677**	**720**	**327**	**1724**

Postgraduate Enrollment (2010 – 2018) - 506

PhD Enrollment (2008 – 2019) - 294

Degrees Awarded (2011 – 2018)	**Undergraduate**	**Postgraduate**	**PhD**
	1042	353	57

Visit the website www.iist.ac.in for a detailed overview of IIST and its activities.

Research and Curriculum Laboratories at IIST

Research and Curriculum Laboratories at IIST

Students are routinely contributing to various frontline projects like Nano-satellites, CubeSats, Space Sensors and the like. Students have taken up the design of Vyom Mk II sounding rocket after the successful launch of the Vyom-I rocket on May 11, 2012. On 1ˢᵗ April this year, IIST successfully accomplished an ionospheric science mission ARIS (Advanced Retarding Potential Analyzer for Ionospheric Studies) onboard PS4 stage of ISRO's PSLV C45.

IIST ventures into space
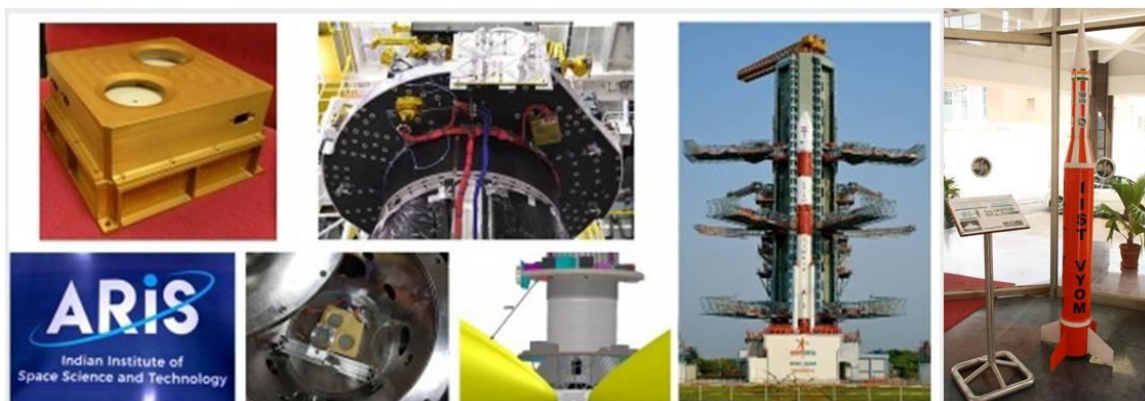
Substantial opportunities exist for undergraduate students to carry out their credited internships and projects at ISRO Centres and other premier institutes both in India and abroad with funding from IIST and/or the host institutes. IIST has tie-ups with institutes like University of Boulder, Colorado, USA, Jet Propulsion Laboratory, California, USA, Australian National University, Canberra, Australia, and Nanyang Technological University, Singapore, for student internships.

To propel the bright minds to excel, the top academic performer of Aerospace Engineering and Electronics and Communication Engineering branches of the undergraduate programme are offered an excellent opportunity to undertake their Masters' at the world renowned California Institute of Technology (Caltech), USA. The above 9-months Masters' course is financially fully supported under the DoS-Caltech Professor Satish Dhawan Endowment Fellowship. On return these students are absorbed in ISRO.

IIST undergraduate students have also secured internships on their own at prestigious academic institutes like Lockheed Martin's Undergraduate Student Visitation Program and Mitacs Globalink Research Foundation, Canada.

Undergraduate and Dual Degree students are offered performance based DoS financial assistance for every semester (detailed in Section 6). Additionally, undergraduate and Dual Degree students, on successful completion of their degrees, have an opportunity to be absorbed into the prestigious centres of ISRO subject to vacancies available and fulfilment of academic criteria as described in Section 7. This gives them a golden opportunity to be involved in ISRO's missions and contribute significantly towards India's Space Programme. This is ensured through the execution of a surety bond during the time of admission to IIST. Other students have placement opportunities coordinated by IIST's Placement Cell.

Students graduating from IIST

Future Space Scientists and Engineers taking oath to take forth India's Space Explorations

Graduating from IIST and stepping into ISRO. Former President of India & Founder Chancellor of IIST, Dr. APJ Abdul Kalam presenting the degrees (22 Feb 2015)

ISRO/DoS Absorption 2011 – 2018				
Year	AE	AV/ ECE *	PS/ DD	Total
2011	41	54	22	117
2012	42	52	30	124
2013	39	54	29	122
2014	35	43	26	104
2015	44	45	13	102
2016	43	39	21	103
2017	39	42	23	104
2018	36	33	**	69
Total	319	362	164	845

* B. Tech in Avionics was renamed as B.Tech in Electronics and Communication Engineering (Avionics) (ECE) in 2018

** In 2014, B.Tech in Physical Sciences (PS) was revamped into a 5 year Dual Degree Programme. The first batch, who joined in 2014, will graduate in 2019.

IIST promises a vibrant campus life for the young and energetic students amidst the serene greenery close to the foothills of the Sahyadri ranges.

Campus life at IIST

There are well equipped hostels, student canteens, cafeteria, bank and ATM, play grounds, gyms, etc. Very good medical and counselling facilities are also available on campus. Clubs like the Astronomy Club, Robotics Club, and Mathematics Club are very active in the campus. Conscientia, IIST's Astronomy & Technical Fest, is organized every year by the students to trigger innovative ideas. For their holistic growth, IIST encourages students in extra-curricular pursuits like sports and cultural activities. IIST's Annual Cultural Fest, Dhanak is now one of the most popular student festivals in south India, where a large number of students converge to showcase their talent. Festivals and events are celebrated with enthusiasm by the student community with active participation from the entire IIST fraternity.

2. UNDERGRADUATE PROGRAMMES: AN OVERVIEW

Aerospace Engineering (AE)

The B. Tech programme in Aerospace Engineering at IIST is oriented towards the needs of Space Technology, and has significant overlap with Mechanical Engineering. In addition to the traditional courses in Aerospace Engineering, it includes courses in Mechanical Design, Manufacturing Science, and Space Dynamics. A B.Tech degree in Aerospace Engineering enables student to specialize in Flight Mechanics, Aerodynamics, Thermal and Propulsion, Structure and Design and Manufacturing Science. (visit https://www.iist.ac.in/academics/curricula for detailed curriculum and syllabus)

Electronics and Communication Engineering (Avionics) (ECE)

This programme offers a well-knit symbiosis of Electrical, Electronics, Communication Engineering and Computer Science. It provides a special focus on Avionics which covers electronics related to aerospace systems. A student with a B.Tech degree in ECE can pursue higher studies in areas such as Digital Signal Processing, RF & Microwave Communications, Antenna, Power Electronics, Microelectronics, Control Systems, Computer Science and Engineering, etc. (visit https://www.iist.ac.in/academics/curricula for detailed curriculum and syllabus).

Dual Degree Programme (DD)

This programme involves the study of the combined disciplines of Physics, Mathematics and Engineering. The first year of the Dual degree programme covers basic courses in science and engineering (common for all undergraduate programmes). The second and third years of the programme will comprise mainly of foundation courses in Physics and Engineering. In the fourth year, the student will pursue one of the four postgraduate specialization streams that will lead to a Master of Science or M.Tech degree. The fifth year of the programme is dedicated to a research project in the field of specialization.

- The Master of Science Programme in Astronomy & Astrophysics aims at introducing students to the application of physics concepts to planets, stars, galaxies, and the Universe as a whole.
- The Master of Science programme in Solid State Physics is targeted towards a research career in semiconductor devices, and device physics in general. The programme is also designed as a stepping stone for students interested in pursuing advanced research in Condensed Matter Physics.
- The M. Tech programme in Earth System Science aims at introducing students to the various components of the Earth System and their interactions. Earth system is the complex system of interacting physical, chemical and biological processes in Planet Earth; manifested through its various elements such as the atmosphere, hydrosphere, geosphere and biosphere.
- The M. Tech programme in Optical Engineering is designed to meet the present and future technology requirements of the advanced optics industry, and relevant R&D organizations. Some of the technologies, students will be trained in, include, Opto-electronics, Lens design and Optical fabrication and Adaptive optics.

(visit https://www.iist.ac.in/academics/curricula for detailed curriculum and syllabus)

3. SEAT MATRIX FOR UNDERGRADUATE PROGRAMMES

Table 1: Undergraduate and Dual Degree Programmes

Sl No.	Programme	No. of Seats	Duration
1	B.Tech in Aerospace Engineering	60 + 6**	4 years
2	B.Tech in Electronics and Communication Engineering (Avionics)	60 + 6**	4 years
3	Dual Degree†(B.Tech and Master of Science/ M.Tech)	20 + 2**	5 years

Important Notes:

(1) **: Beginning 2019 academic year and as per the recent directive, reservation for the Economically Weaker Sections (EWS) to the extent of 6 (six), 6 (six), and 2 (two) seats (10% of last year's total strength) in the branches of Aerospace Engineering, Electronics & Communication Engineering and Dual Degree, respectively is being implemented.

(2) †: The Dual Degree Programme is a 5-year (10 Semesters) Programme. On successful completion, the students are awarded a B.Tech. degree in Engineering Physics and a Master of Science/ M.Tech. degree in one of the following four postgraduate streams:

- Master of Science in Astronomy and Astrophysics
- Master of Science in Solid State Physics
- M.Tech. in Earth System Science
- M.Tech. in Optical Engineering

Students will be allotted their postgraduate streams at the end of the sixth semester based on their preference and academic performance upto sixth semester. The seat matrix specifying minimum and/ or maximum for each of the streams will be notified to the students during the sixth semester.

There is no exit option with a B.Tech degree in Engineering Physics. However, based on academic performance, Director, IIST has the discretion not to promote students with unsatisfactory performance to the Masters' level. These students may be allowed to exit with a B.Tech degree in Engineering Physics with specified norms worked out by the Department and approved by the Academic Council and Board of Management of IIST.

4. RESERVATION OF SEATS

As per the reservation policy of Government of India applicable to Central Educational Institutions (CEI), candidates belonging to the following categories are admitted to reserved seats based on relaxed criteria. The categories and the corresponding percentage of reservation are:

- Scheduled Castes (SC): 15%
- Scheduled Tribes (ST): 7.5%
- Other Backward Classes (OBC) belonging to Non-Creamy Layer (NCL): 27%
- Persons with Disabilities (PD) : 5% (Horizontal Reservation)
- Economically Weaker Section (EWS): As below.

Beginning 2019 academic year and as per the recent directive, seats to the extent of 6 (six), 6 (six), and 2 (two) seats (10% of last year's total strength) in the branches of Aerospace Engineering, Electronics and Communication Engineering and Dual Degree, respectively, are reserved for the EWS category.

The above listed categories are the **ONLY** reservation categories for admission to the undergraduate programmes at IIST.

Important Notes:

- *EWS Candidates:*
  Eligible candidates applying under EWS category are required to produce a EWS certificate issued by a competent authority in the prescribed format given in APPENDIX–I. **Certificates in any other format will not be accepted. .** The certificate (in original) must be produced at the time of verification at the specified Reporting Centres, failing which the candidature will not be considered for admission under the EWS category.
- *SC/ST Candidates:*
  Candidates belonging to SC/ST categories are required to produce the original Scheduled caste/ tribe certificate issued by a competent authority in the prescribed format given in APPENDIX–II. **Certificates in any other format will not be accepted.** The documents (in original), must be produced at the time of verification at the specified Reporting Centres, failing which the candidature will be cancelled. Seats remaining vacant under ST category shall be allotted to SC candidates. Seats remaining vacant under the SC/ST categories shall not be filled by candidates belonging to any other category.

- *OBC-NCL Candidates:*

  Under the OBC-NCL category, only castes mentioned in the Central list of OBCs, published by the Department of Personnel and Training, Government of India, will be considered. In addition, the candidate should also satisfy the condition of non-creamy layer as defined by the Government of India. Seats remaining vacant under this category shall be allotted to General candidates.

  The OBC-NCL candidates seeking the benefits of reservation are required to produce the **original certificate issued on or after 1ˢᵗ April, 2019** by a competent authority in the prescribed format given in APPENDIX–III. **Certificates in any other format will not be accepted.** The certificate (in original) must be produced at the time of verification at the specified Reporting Centres, failing which the candidature will not be considered for admission under the OBC-NCL category. Candidates belonging to the OBC-NCL category are also required to submit a declaration/ undertaking in the format given in APPENDIX–IV.

- *PD Candidates:*

  5% seats are reserved for PD candidates. The benefit of reservation would be given only to those who have at least 40% physical impairment. Candidates seeking benefit under this category are required to produce original certificates, issued by a district medical board/ competent authority, at the time of verification at the specified Reporting Centres, failing which the candidature will not be considered for admission under the PD category.

5. SEMESTER FEE STRUCTURE

The fee structure per semester is as follows:

Table 2: Fee structure per semester

Sl No.	Fee Component	Amount (INR)
1.	Tuition Fee	20000
2.	Establishment Fee	8000
3.	Student Amenities Fee	4000
4.	Medical Charges	2000
5.	Hostel and Dining Charges	14400
	Total	**48400**

Important Notes:

(1) The First Semester Fee has to be paid through online transfer at the time of acceptance of allotted seat during the admission process. Fees for the remaining semesters have to be paid at the beginning of each semester before the notified date.

(2) At the time of joining the institute, students are required to remit a caution deposit of INR 13000 which is refundable (without interest) at the time of leaving the institute.

(3) Hostel and Dining charges are applicable only for the academic period of the semester and hence will not cover expenses incurred during the vacation period, except at the end of sixth semester, when students undertake credited Summer Internships.

(4) Any revision to Medical, Hostel and Dining charges will be informed well in advance.

6. DoS FINANCIAL ASSISTANCE

DoS offers performance (Semester Grade Point Average–SGPA) based financial assistance to all undergraduate and Dual Degree students. It is mandatory for the students to avail this financial assistance. Students and their parent are required to sign a surety bond [see Section 7 (2)/ 7(3)] for the same at the time of joining IIST.

The financial assistance scheme per semester is detailed below:

Table 3: Financial assistance scheme per semester

Sl No.	Category	Academic Criteria	Assistance Amount (INR)
1.	General / EWS/ OBC-NCL	SGPA of 7.5 and above (≥ 7.5 on a scale of 10)	48400
2.	SC/ ST/ PD	SGPA of 6.5 and above (≥ 6.5 on a scale of 10)	48400
3.		SGPA between 5.5 and 6.5 (≥ 5.5 and < 6.5 on a scale of 10)	20000 (to cover only Tuition Fee)

Important Notes:

(1) Full/ Partial financial assistance will be awarded to the students at the end of the semester after declaration of semester results.

(2) Students who are eligible for full financial assistance for the semester will receive a book grant of INR 3000 for that semester. Prior approval, production of bill and verification of purchased book(s) are essential to avail the book grant.

7. ABSORPTION IN ISRO/DoS

Based on notified vacancies in different specializations, by ISRO, undergraduate and Dual Degree students will be absorbed as Scientist/ Engineer-SC, subject to fulfilment of the following conditions applicable to **ALL** categories of students;

- Students should successfully complete the B.Tech and Dual Degree Programmes in 4 (four) and 5 (five) years, respectively.
- Students should secure minimum Cumulative Grade Point Average (CGPA) of 7.5 (on a scale of 10) at the end of B.Tech and Dual Degree Programmes.
- Students are required to be fully medically fit as per ISRO norms.

ISRO/ DoS do not guarantee job to all eligible students. Absorption will be in the order of merit based only on vacancies notified by ISRO/ DoS for IIST absorption for that particular year.

Important Notes:

(1) Currently, Scientist/Engineer- 'SC' is placed in Level 10 of the Central Government 7th pay commission Pay Matrix Table. The basic emoluments at present amount to approximately INR 56,100 p.m. In addition, House Rent Allowance [HRA], Dearness Allowance [DA] and Transport Allowance at the prescribed rates in force at the place of posting are applicable. The employees are governed by

the National Pension System. Medical facilities for self and dependants, Leave Travel Concession, Group Insurance, etc., are also available.

(2) Students, their parent and a surety are required to sign a surety bond (on a INR 500 non-judicial paper), in the prescribed format given in APPENDIX-VI, at the time of joining IIST.

(3) Students who are offered a job in ISRO/DoS are mandated to serve as Scientist/Engineer-'SC' in the allotted ISRO/DoS centres **for a minimum period of 3 (Three) years**. A student not accepting the ISRO/DoS job offer is liable to **pay INR 10 (Ten) Lakhs** (and any accrued interest till the date of payment). Having secured a job in ISRO/DoS and having joined service, a student resigning from ISRO/DoS before completing the mandatory minimum period of 3 (three) years, shall pay as per the following norms:

- Student with less than one year of service in ISRO/DoS – INR 10 (Ten) Lakhs
- Student with one to two year service in ISRO/DOS – INR 9 (Nine) Lakhs
- Student with two to three year service in ISRO/DOS – INR 8 (Eight) Lakhs

The payment will be made to IIST or the respective ISRO/ DoS centre, the latter after the transfer of the bond to the respective ISRO/DoS centre is effected.

(4) ISRO has provisions for its scientists/ engineers to pursue higher studies.

(5) Students who are not offered job by ISRO/DoS will be free of any financial obligations notwithstanding the DoS financial assistance that they have availed.

(6) For the students who are not absorbed in ISRO/DoS establishments, the Placement Cell of IIST shall put its best efforts to facilitate placement.

8. ELIGIBILITY FOR ADMISSION

Candidates desirous of admission to IIST must satisfy **ALL** eligibility criteria detailed below.

(i)   **Citizenship:** Only Indian citizens are eligible to apply for admission in IIST.

(ii) **Date of Birth:** Candidates belonging to General, EWS and OBC-NCL categories must have been born **on or after October 1, 1994**. Candidates belonging to SC/ ST and PD categories must have born **on or after October 1, 1989**.

The date of birth as recorded in the certificate of high school/ first Board/ or its equivalent will be accepted. If the certificate does not mention the date of birth, candidate must, at the time of accepting the seat, submit an authenticated document from a competent authority indicating the same.

(iii) **Minimum Marks Requirement in Qualifying Examination:** Candidates must have secured at least 75% aggregate marks in the Class XII (or equivalent – see below for list of Qualifying Examinations) Board examination. The aggregate marks for SC, ST and PD candidates should be at least 65%. The marks scored in the following five subjects will be considered for calculating the aggregate marks:

- Physics
- Chemistry
- Mathematics
- A language (if the candidate has taken more than one language, then the language with the higher marks will be considered)
- Any subject other than the above four (the subject with the highest marks will be considered)

Important Notes:

(1) For calculation of aggregate marks, if the mark awarded in a subject is not out of 100, then the mark will be scaled (up or down) to 100 so that the total aggregate mark is out of 500.

(2) In case a Board awards only letter grades without providing an equivalent percentage of marks on the grade sheet, the candidate should obtain a certificate from the Board specifying the equivalent marks and submit the same at the time of admission.

(3) For candidates who appeared in the Class XII (or equivalent) Board examination in 2018 but reappeared in 2019, the best of the two performances will be considered.

(4) In case a Board gives aggregate marks considering both Class XI and Class XII examinations (in the 10+2 system), then only Class XII marks will be considered.

(5) In case a Board does not give marks scored in individual subjects but gives only the aggregate marks, then the aggregate marks given by the Board will be considered as such.

(6) If a candidate passes Class XII (or equivalent) in 2018, but writes any of the required subjects (mentioned above) in 2019 for improvement or any other reason, then the aggregate percentage will be calculated by considering the best of the two performances in the required subjects.

(7) For any other cases, the decision taken by the IIST Admission Committee will be considered final.

List of Qualifying Examinations: Any one of the following will be accepted as the Qualifying Examination:

- The final examination of the 10+2 system, conducted by any recognized central/ State Board, such as Central Board of Secondary Education, New Delhi; Council for the Indian School Certificate Examinations, New Delhi; etc.
- Intermediate or two-year Pre-University examination conducted by a recognized Board/ University.
- Final examination of the two-year course of the Joint Services Wing of the National Defense Academy.
- Senior Secondary School Examination conducted by the National Institute of Open Schooling with a minimum of five subjects.
- Any Public School/ Board/ University examination in India or in any foreign country recognized as equivalent to the 10+2 system by the Association of Indian Universities (AIU).
- H.S.C. vocational examination.
- General Certificate Education (GCE) examination (London/ Cambridge/ Sri Lanka) at the Advanced (A) level.
- High School Certificate Examination of the Cambridge University or International Baccalaureate Diploma of the International Baccalaureate Office, Geneva.

In case the relevant Qualifying Examination is not a public examination, the candidate must have passed at least one public (Board or Pre-University) examination at an earlier level.

(iv) **Minimum Marks Requirement in JEE (Advanced)–2019 Examination:**
Candidates should have appeared for the **Joint Entrance Examination (Main)-2019** conducted by National Testing Agency (NTA), to qualify themselves to appear for the **Joint Entrance Examination (Advanced)-2019** conducted by **IITs** and secure the minimum prescribed marks

as given below:

Table 4: Minimum Marks Requirement in JEE (Advanced)–2019 Examination

Sl No.	Category	Minimum Marks
1.	General	At least 20% marks in aggregate and at least 5% marks in each of the three subjects (Physics, Chemistry and Mathematics)
2.	EWS/ OBC-NCL	At least 18% marks in aggregate and at least 4.5% marks in each of the three subjects (Physics, Chemistry and Mathematics)
3.	SC/ ST/ PD	At least 10% marks in aggregate and at least 2.5% marks in each of the three subjects (Physics, Chemistry and Mathematics)

IIST UG Admission Statistics:
Opening and Closing Percentage of JEE (Advanced) Marks for 2017 and 2018

Details of IIST B.Tech Admission (2017)

Opening & Closing **Percentage** of **JEE Advanced 2017** marks.

Category	B.Tech. (Aerospace Engineering)		B.Tech. (Avionics)**		Dual Degree (B.Tech. + Master of Science/Master of Technology)	
	Open	Close	Open	Close	Open	Close
General	64.21%	53.83%	60.93%	52.19%	60.38%	54.37%
OBC	53.55%	44.81%	44.81%	42.08%	44.54%	42.35%
SC	33.88%	30.60%	34.15%	27.05%	41.53%	28.96%
ST	29.51%	20.22%	28.96%	20.22%	22.40%	20.22%

** This program has been renamed as B.Tech in Electronics & Communication Engineering (with specialisation in Avionics) w.e.f. 2018 admissions.

Details of IIST B.Tech Admission (2018)

Opening & Closing **Percentage** of **JEE Advanced 2018** marks.

Category	B.Tech. (Aerospace Engineering)		B.Tech. (Electronics and Communication)		Dual Degree (B.Tech. + Master of Science/Master of Technology)	
	Open	Close	Open	Close	Open	Close
General	43.89%	34.17%	66.94%	33.05%	52.78%	36.39%
OBC	47.78%	30.28%	33.05%	27.22%	33.33%	26.11%
SC	33.89%	19.44%	32.22%	15.83%	22.22%	13.05%
ST	14.44%	11.94%	20.28%	11.11%	15.00%	10.28%

9. ONLINE ADMISSION PROCEDURE

Candidates who are desirous to join the Undergraduate and Dual Degree Programmes offered by IIST are required to apply separately to IIST through the online application portal (http://admission.iist.ac.in) and follow the steps detailed below:

(i) **Registration:**

Visit the online application portal (http://admission.iist.ac.in) and choose the link to **Undergraduate Admission–2019**. Follow the instructions given and fill in all the details. The successfully registered candidates will be given a system generated IIST Registration Number. Candidates need to specify a password. It is the sole responsibility of the candidate to keep the password secured to avoid any misuse.

Candidates are advised to carefully read the eligibility criteria detailed in Section 8 before registration.

(ii) **Registration Fee Payment:**

Registration Fee payment is through e-payment mode **ONLY** and should be done by visiting the online application portal (http://admission.iist.ac.in) and clicking on the **PAY REGISTRATION FEE** link. Receipt of payment will be confirmed through registered E-mail and mobile number.

The Registration Fee is non-refundable and is detailed below for the various categories.

Table 5: Registration Fee

Sl No.	Category	Amount (INR)
1.	Male candidates in General/ EWS/ OBC-NCL	600
2.	Female candidates in General/ EWS/ OBC-NCL	300
3.	All SC/ ST/ PD candidates	300

(iii) **Publication of IIST Admission Rank List:**

- Category-wise IIST Admission Rank List will be generated **ONLY** for those eligible candidates who are successfully registered online and have paid the Registration Fee.
- IIST Admission Rank List will be prepared based on the aggregate marks scored in JEE (Advanced)–2019 Examination subject to satisfying the minimum marks prescribed in Table 4.
- Tie between candidates securing the same aggregate marks will be resolved by applying the procedure indicated below one at a time in the descending order
  - Higher rank will be assigned to the candidate who has secured higher marks in Mathematics.
  - Higher rank will be assigned to the candidate who has secured higher marks in Physics.
  - Higher rank will be assigned to the candidate who secured higher rank in JEE (Main)–2019 Examination, in the respective category.

(iv) **Filling-in of Branch Preferences:**

- Candidates whose names appear in IIST Admission Rank List are required to fill in their choice of branch in order of preference for the Undergraduate and Dual Degree Programmes as per the dates specified in Table 9 through the Online Admission portal (http://admission.iist.ac.in) by using their Registration Number and password.
- **After the culmination of the specified dates given in Table 9, the preferences will be locked. No further change of choice/ preference will be entertained.**
- Candidates are advised to choose the branch as per their interest.
- **It is NOT mandatory to fill-in all three choices.**

(v) **Seat Allotment/ Acceptance Rounds:**

- Detailed schedule for seat allotment/ acceptance rounds are given in Table 8 of Section 11. It should be noted that these dates are tentative and any change of date will be notified on the website.
- Based on available vacancies, seat allocation to the three branches will be done in order of merit as per the preferences filled-in by the candidates.
- Candidates who are satisfied with the seat allotment are required to choose the **FREEZE** option and proceed to confirm seat acceptance.
- **Candidates who choose the FREEZE option will not be further considered for their higher preferences, if any.**
- Candidates who wish to be considered for their higher preferences but would like to confirm their allotted seat are required to choose the **SLIDE** option and proceed to confirm seat acceptance.
- **Based on the vacancies available and on the basis of merit, branch choice will automatically SLIDE UP as per the preference order filled-in by the candidates. This will also hold after joining IIST till the closing of UG Admission-2019 (25 July 2019).**
- Candidates opting for the **FREEZE** or **SLIDE** options during a seat allocation round are required to **accept the seat** by following the process detailed below:
  - o Candidates are required to make an online payment of First Semester Fee amounting to INR 48400 before the specified date/time listed in Table 8 of Section 11. **Failure to remit the First Semester Fee will amount to forfeiting the allotted seat and candidate will not be considered for any further seat allotment.**
  - o The above payment is through e-payment mode **ONLY** and should be done by visiting the online application portal (http://admission.iist.ac.in) and clicking on the **FIRST SEMESTER FEE** link. Receipt of payment will be confirmed through registered E-mail and mobile number.
  - o Candidates are required to upload scanned copies of the following documents before the specified date/ time listed in Table 8 of Section 11.
    - ▪ Class X certificate if the date of birth is mentioned in it OR birth certificate.
    - ▪ Class XII (or equivalent examination) mark sheets (for those who appeared for this examination in 2018 and/or 2019).
    - ▪ Class XII (or equivalent examination) certificate (for those who appeared for this examination in 2018 and/or 2019).
    - ▪ Category (EWS/OBC-NCL/SC/ST/PD) certificates.
  - o Documents should be uploaded by clicking on the **UPLOAD DOCUMENTS** link.
  - o Candidates are also required to choose the Reporting Centre where they propose to go for certificate verification.

- On successful completion of the above steps, a provisional **SEAT ALLOTMENT LETTER** will be generated. The candidates are required to download the same and carry with them to the Reporting Centres. Entry to Reporting Centres will **NOT** be allowed without this letter.
- Candidates are required to report to any of the Reporting Centres listed in Table 7 in Section 10 for the verification of original mark sheets and certificates specified above. Contact details of centres will be uploaded on the website on or before opening of registration and also appear in the provisional SEAT ALLOTMENT LETTER.
- After verification of certificates, the Reporting Centres will issue an **ADMIT CARD** which has to be produced at the time of joining IIST.

- All registered candidates who are in the published Waiting List are required to confirm their willingness to be considered in the subsequent rounds of seat allotment by logging into the Online Admission portal and selecting the **RE-VALIDATE** option on specified dates given in Table 8 and 9**.**
- **Candidates who do not RE-VALIDATE their registrations within the specified dates will no longer be included in the subsequent Waiting List and hence shall NOT be considered for further admission.**

(vi) **Forfeiture of accepted Seats:**

Candidates who have accepted the seat by remitting the First Semester Fee and who wish to forfeit their accepted seat can visit the Online Admission portal and select the **WITHDRAWAL** option and fill the Withdrawal Form indicating their bank account details for fee refund. Processing charges (as per UGC guidelines), as given below, will be deducted from the paid First Semester Fee and the remaining amount refunded.

Table 6: Processing charges

Sl. No.	Descritpion	Amount to be deducted
1.	More than three weeks (21 days) from the last date of Admission (23 June 2019 – 5 July 2019)	INR 500
2.	More than 14 days (two weeks) but up to 21 days (three weeks) from the last date of Admission (6 July 2019 – 12 July 2019)	INR 1500
3.	Less than 14 days (two weeks) days from the last date of Admission (13 July 2019 – 26 July 2019)	INR 2500
4.	Up to one month after closing of UG Admission (27 July 2019 to 26 August 2019)	INR 3000 + Medical Charges + proportionate Hostel and Dining charges
5.	One month after closing of UG Admission (27 August 2019 and later)	Fees + Medical Charges + proportionate Hostel and Dining charges

Important Notes:

For the purpose of refund, Fees as indicated in Sl. No 5 above will be INR 32,000 (Tuition Fee, Student Amenities Fee, and Establishment Fee).

10. REPORTING CENTRES FOR CERTIFICATE VERIFICATION

Table 7: Reporting Centres

S.No	Reporting Centre	Address
1	Indian Institute of Space Science and Technology (IIST)	Valiamala P.O., **Thiruvananthapuram**, **Kerala** - 695 547
2	Semi Conductor Laboratory(SCL)	Sector 72, SAS Nagar, **Near Chandigarh, Punjab** - 160 071
3	National Remote Sensing Centre(NRSC)	Balanagar, **Hyderabad**, Andhra Pradesh - 500 037
4	Regional Remote Sensing Centre(RRSC-Central)	Shankar Nagar P.O, Amravati Road, **Nagpur, Maharashtra** - 440 033
5	Regional Remote Sensing Centre (RRSC-West)	CAZRI Campus, **Jodhpur, Rajasthan** - 342 003
6	Regional Remote Sensing Centre(RRSC-East)	Plot No. BG-2, Street No 77, Sub Central Business District(Action Area 1B), New Town, **Kolkata, West Bengal** - 700 156
7	Physical Research Laboratory (PRL)	Navrangpura, **Ahmedabad, Gujarat** - 380 009
8	North Eastern Space Applications Centre(NESAC)	Umiam, Ri - Bhoi District, Meghalaya, 793 103
9	ILF-ISRO Telemetry Tracking & Command Network(ISTRAC)	Sector C, Sitapur Road Scheme, Kursi Road, **Lucknow, Uttar Pradesh** - 226 021
10	ISRO Liaison Cell	No.461, 15th Road, Khar(West), Khar Gymkhana, **Mumbai, Maharashtra** - 400 052
11	DOS Branch Secretariat	Dept. of Space, ISRO Office, Integrated Office Complex, 3rd Floor, Plot No. 7, JB Tito Marg, Sadiq Nagar, **New Delhi** - 110 049 (Landmark: beside Indian Oil Petrol Pump)
12	Satish Dhawan Space Centre (SDSC SHAR)	Sriharikota Range PO, **Nellore District, Andhra Pradesh**, 524 124
13	ISRO Transit Guest House,	No.4, Dr. Ambedkar Road, Backside of Contonment Board School, Pallavaram, **Chennai, Tamil Nadu** - 600 043
14	Indian Institute of Remote Sensing(IIRS)	4, Kalidas Road, **Dehradun, Uttarakhand** - 248 001
15	ISRO Head Quarter	Ankariksh Bhavan, New BEL Road, **Bangalore, Karnataka** - 560 231

11. SCHEDULE FOR SEAT ALLOTMENT/ ACCEPTANCE ROUNDS

It should be noted that the dates given below in Table 8 are tentative and any change of date will be notified on the website.

Table 8: Schedule of Admission Events

Date / Time	Events
21 June 2019 (11:00hr)	**Seat Allocation – Round 1**
21 June 2019 and 22 June 2019 (two days)	Acceptance of seats for Round 1 by paying First Semester Fees and uploading scanned copies of all mark sheet and certificates
24 June 2019 (11:00hr)	**Seat Allocation – Round 2**
24 June 2019 and 25 June 2019 (two days)	Acceptance of seats for Round 2 by paying First Semester Fees and uploading scanned copies of all mark sheet and certificates
26 June 2019 (11:00hr)	**Seat Allocation – Round 3**
26 June 2019 and 27 June 2019 (two days)	Acceptance of seats for Round 3 by paying First Semester Fees and uploading scanned copies of all mark sheet and certificates
27 June 2019 (10:00hrs – 16:00hrs)	Certificate verification at the nearest Reporting Centre for candidates who have paid the First Semester Fees for Round 1, 2, and 3
28 June 2019 (11:00hr)	**Seat Allocation – Round 4**
28 June 2019 and 29 June 2019 (two days)	Acceptance of seats for Round 4 by paying First Semester Fees and uploading scanned copies of all mark sheet and certificates
1 July 2019 (11:00hr)	**Seat Allocation – Round 5**
1 July 2019 and 2 July 2019 (two days)	Acceptance of seats for Round 5 by paying First Semester Fees and uploading scanned copies of all mark sheet and certificates
3 July 2019 (11:00hr)	**Seat Allocation – Round 6**
3 July 2019 and 4 July 2019 (two days)	Acceptance of seats for Round 6 by paying First Semester Fees and uploading scanned copies of all mark sheet and certificates
4 July 2019 (10:00hr – 16:00hr)	Certificate verification at the nearest Reporting Centre for candidates who have paid the First Semester Fees for Round 4, 5, and 6
3 July 2019 (11:00 hr) to 4 July 2019 (17:00 hr)	**RE-VALIDATION of registration for Waiting List candidates upto Round 6**
5 July 2019 (11:00hr)	**Seat Allocation – Round 7**
5 July 2019 and 6 July 2019 (two days)	Acceptance of seats for Round 7 by paying First Semester Fees and uploading scanned copies of all mark sheet and certificates
8 July 2019 (11:00hr)	**Seat Allocation – Round 8**
8 July 2019 and 9 July 2019 (two days)	Acceptance of seats for Round 8 by paying First Semester Fees and uploading scanned copies of all mark sheet and certificates
10 July 2019 (11:00 hr)	**Seat Allocation – Round 9**
10 July 2019 and 11 July 2019 (two days)	Acceptance of seats for Round 9 by paying First Semester Fees and uploading scanned copies of all mark sheet and certificates
11 July 2019 (10:00hrs – 16:00hr)	Certificate verification at the nearest Reporting Centre for candidates who have paid the First Semester Fees for Round 7, 8, and 9
12 July 2019 (11:00hr)	**Seat Allocation – Round 10**
12 July 2019 and 13 July 2019 (two days)	Acceptance of seats for Round 10 by paying First Semester Fees and uploading scanned copies of all mark sheet and certificates
15 July 2019 (11:00hr)	**Seat Allocation – Round 11**
15 July 2019 and 16 July 2019 (two days)	Acceptance of seats for Round 11 by paying First Semester Fees and uploading scanned copies of all mark sheet and certificates
15 July 2019 (11:00hr) to 16 July 2019 (17:00hr)	**RE-VALIDATION of registration for Waiting List candidates upto Round 11**
17 July 2019 (11:00hr)	**Seat Allocation – Round 12**
17 July 2019 and 18 July 2019 (two days)	Acceptance of seats for Round 12 by paying First Semester Fees and uploading scanned copies of all mark sheet and certificates
18 July 2019 (10:00hrs – 16:00hr)	Certificate verification at the nearest Reporting Centre for candidates who have paid the First Semester Fees for Round 10, 11, and 12

Table 8: Schedule of Admission Events (continued)

19 July 2019 (11:00 hr)	**Seat Allocation – Round 13**
19 July 2019 and 20 July 2019 (two days)	Acceptance of seats for Round 13 by paying First Semester Fees and uploading scanned copies of all mark sheet and certificates
22 July 2019 (11:00 hr)	**Seat Allocation – Round 14**
22 July 2019 and 23 July 2019 (two days)	Acceptance of seats for Round 14 by paying First Semester Fees and uploading scanned copies of all mark sheet and certificates
24 July 2019 (9:00 hr)	Reporting at IIST for joining for candidates who have paid the First Semester Fees for Round 13 and 14
24 July 2019 (11:00 hr)	Publication of vacancies, if any, for Spot Admission.
27 July 2019 (9:00 hr)	**Spot Admission at IIST (in case of vacancies and will be applicable only for remaining wait-listed candidates after Round 14 of seat allotment)**

12. IMPORTANT DATES

Table 9: Important Dates of Undergraduate Admission

Opening of Online Registration and Filling-in of Branch Preferences	**3 June 2019 10:00 hr**
Closing of Online Registration	**17 June 2019 11:00 hr**
Publication of IIST Admission Rank List	**19 June 2019 17:00 hr**
Closing date for Filling-in of Branch Preferences	**20 June 2019 12:00 hr**
Seat Allotment/ Acceptance rounds	**Starts on 21 June 2019 11:00 hr (First seat allocation round) Ends on 23 July 2019 (Last seat acceptance round)**
Re-validation of registration upto Round 6	**3 July 2019 (11:00 hr) to 4 July 2019 (17:00 hr)**
Re-validation of registration upto Round 11	**15 July 2019 (11:00 hr) to 16 July 2019 (17:00 hr)**
Joining IIST	**22 July 2019 (Reporting time 9:00 hr) 24 July 2019 (for candidates who have accepted seats in Rounds 13, 14)**
Mandatory Induction Programme at IIST	**23 – 26 July 2019**
Spot Admissions, if required, to be held at IIST, Trivandrum (applicable only for remaining wait-listed candidates after Round 14 of seat allotment)	**27 July 2019 9:00 hr**
Commencement of Classes	**29 July 2019**

Important Note:

The above dates are tentative. Any change of date will be indicated in the IIST Admission website. Candidates are advised to check the website regularly.

13. JOINING IIST

Candidates, who have accepted the seat allotment and completed the verification procedure at the nearest Reporting Centre, are required to report at IIST on dates specified in Table 9. **It is mandatory for atleast one parent to accompany the student for admission.** During the joining process, the execution of the surety bond (printed bond will be provided by IIST), collection of original certificates (if any), Medical verification, issue of photo-identity cards, opening of bank account, facilitate purchase of local SIM cards, allotment of hostel rooms, etc. will be organized.

Candidates **ARE REQUIRED** to submit the following documents at the time of joining IIST:

1. **ADMIT CARD** issued by the Reporting Centre or **SEAT ALLOTMENT LETTER** for candidates who accept the seat allotment in Rounds 13 and 14.
2. Self-attested copies of Class X/ Class XII Mark sheet/ Certificates.
3. Category (SC/ST/OBC- NCL/PD/EWS) certificates.
4. Transfer Certificate from the institute last attended.
5. Caution-deposit of **INR 13000** (see Section 5) to be paid in the form of **Demand Draft** (from any nationalized bank) drawn in favour of **Registrar, IIST**, payable at Thiruvananthapuram.
6. Medical Examination Report in the prescribed format given in APPENDIX-VI.
7. **Three** copies of recent passport size (3.5 x 4.5 cm) colour photographs.
8. A copy of student's AADHAR Card.

Candidates and parents have to make their own arrangements for stay in Thiruvananthapuram or Nedumangad (a nearby town). Hostel accommodation will be available only for students, from the evening of the date of joining, after completion of the admission formalities at IIST. Instructions to reach IIST can be found at https://www.iist.ac.in/aboutus/how-to-reach . Further instructions will be uploaded on the Admission Website.

14. CONTACT DETAILS

Contact Address	Chairperson, UG Admissions Indian Institute of Space Science and Technology Valiamala (P.O.), Thiruvananthapuram – 695547 Kerala, INDIA **Cell No: 9400364764** **(Monday to Friday from 9:30 a.m to 5:00 p.m)**
E-Mail	admissions@iist.ac.in (all communications should have **UG Admissions – 2019** as subject)
Help Desk Contact numbers	**Landline Numbers:** 0471-2568477, 478, 618, 418 **(Monday to Friday from 9:30 a.m to 5:00 p.m)** **Fax:** 0471-2568556

15. DISPUTE REDRESSAL

Any complaints, grievances, etc. related to Admission to IIST must be referred to the Chairperson, Undergraduate Admissions–2019, IIST. Director, IIST will be the appellate authority with respect to such complaints. The courts having their jurisdiction at Thiruvananthapuram alone can adjudicate on all matters related to IIST Admission.

Government of …………………………….
(Name & Address of the authority issuing the certificate)

INCOME & ASSET CERTIFICATE TO BE PRODUCED BY ECONOMICALLY WEAKER SECTIONS

Certificate No. _____   Date: _____

VALID FOR THE YEAR _____

1.   This is to certify that Shri/Smt./Kumari _____ son/daughter/wife of _____ permanent resident of _____, Village/Street _____ Post Office _____ District _____ in the State/Union Territory _____ Pin Code _____ whose photograph in attested below belongs to Economically Weaker Sections, since the gross annual income* of his/her **"family"**** is below Rs. 8 lakh (Rupees Eight Lakh only) for the financial year _____. His/her family does not own or possess any of the following assets***:

   I.   5 acres of agricultural land and above;
   II.   Residential flat of 1000 sq. ft. and above;
   III. Residential plot of 100 sq. yards and above in notified municipalities;
   IV.   Residential plot of 200 sq. yards and above in areas other than the notified municipalities.

2.   Shri/Smt./Kumari _____ belongs to the _____ caste which is not recognized as a Schedule Caste, Schedule Tribe and Other Backward Classes (Central List).

Signature with seal of Officer _____
                                                        Name _____
                                                        Designation _____

| Recent Passport size attested photograph of the applicant | **The income and assets of the families as mentioned would be required to be certified by an officer not below the rank of Tehsildar in the States/UTs.** |

* Note1: Income covered all sources i.e. salary, agricultural, business, profession, etc.

** Note2: The term **"Family"** for this purpose include the person, who seeks benefit of reservation, his/her parents are siblings below the age of 18 years as also his/her spouse and children below the age of 18 years.

*** Note3: The property held by a **"Family"** in different locations or different places/cities have been clubbed while applying the land or property holding test to determine EWS status.

FORM-SC/ST

<u>SC/ST Certificate Format</u>

FORM OF CERTIFICATE TO BE PRODUCED BY SCHEDULED CASTES (SC) AND SCHEDULED TRIBES (ST) CANDIDATES

1. This is to certify that Shri/ Shirmati/ Kumari* _____ son/daughter*

of _____ of Village/Town* _____

District/Division* _____ of State/Union Territory* _____ belongs to

the _____Scheduled Caste / Scheduled Tribe* under :-

* The Constitution (Scheduled Castes) Order, 1950
* The Constitution (Scheduled Tribes) Order, 1950
* **The Constitution (Scheduled Castes) (Union Territories) Order, 1951**
* The Constitution (Scheduled Tribes) (Union Territories) Order, 1951

[As amended by the Scheduled Castes and Scheduled Tribes Lists (Modification Order) 1956, the Bombay Reorganisation Act, 1960, the Punjab Reorganisation Act, 1966, the State of Himachal Pradesh Act, 1970, the North Eastern Areas (Reorganisation) Act, 1971, the Scheduled Castes and Scheduled Tribes Orders (Amendment) Act, 1976 and the Scheduled Castes and Scheduled Tribes Orders (Amendment) Act, 2002]

* The Constitution (Jammu and Kashmir) Scheduled Castes Order, 1956;
* The Constitution (Andaman and Nicobar Islands) Scheduled Tribes Order, 1959, as amended by the Scheduled Castes and Scheduled Tribes Order (Amendment) Act, 1976;
* **The Constitution (Dadara and Nagar Haveli) Scheduled Castes Order, 1962;**
* The Constitution (Dadara and Nagar Haveli) Scheduled Tribes Order, 1962;
* The Constitution (Pondicherry) Scheduled Castes Order, 1964;
* The Constitution (Uttar Pradesh) Scheduled Tribes Order, 1967;
* The Constitution (Goa, Daman and Diu) Scheduled Castes Order, 1968;
* The Constitution (Goa, Daman and Diu) Scheduled Tribes Order, 1968;
* The Constitution (Nagaland) Scheduled Tribes Order, 1970;
* The Constitution (Sikkim) Scheduled Castes Order, 1978;
* The Constitution (Sikkim) Scheduled Tribes Order, 1978;
* The Constitution (Jammu and Kashmir) Scheduled Tribes Order, 1989;
* The Constitution (Scheduled Castes) Order (Amendment) Act, 1990;
* The Constitution (Scheduled Tribes) Order (Amendment) Act, 1991;
* The Constitution (Scheduled Tribes) Order (Second Amendment) Act, 1991.

2. # This certificate is issued on the basis of the Scheduled Castes / Scheduled Tribes* Certificate issued to Shri /Shrimati* _____ father/mother* of Shri /Shrimati /Kumari* _____ of Village/Town* _____ in District/Division* _____ of the State State/Union Territory*_____ who belong to the Caste / Tribe* which is recognised as a Scheduled Caste / Scheduled Tribe* in the State / Union Territory* _____issued by the _____ dated _____.

3. Shri/ Shrimati/ Kumari * _____and / or* his / her* family ordinarily reside(s)** in Village/Town* _____ of_____District/Division* of the State Union Territory* of_____.

Signature: _____
Designation _____
(with seal of the Office)

Place: _____   State/Union Territory* _____

Date: _____

* Please delete the word(s) which are not applicable.
# Applicable in the case of SC/ST Persons who have migrated from another State/UT.
IMPORTANT NOTES

The term "ordinarily reside(s)**" used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950. Officers competent to issue Caste/Tribe certificates:
1. District Magistrate / Additional District Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / Ist Class Stipendiary Magistrate / City Magistrate / Sub-Divisional Magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner.
2. Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
3. Revenue Officers not below the rank of Tehsildar.
4. Sub-divisional Officer of the area where the candidate and/ or his family normally reside(s).
5. Administrator / Secretary to Administrator / Development Officer (Lakshdweep Island).
6. Certificate issued by any other authority will be rejected.

OBC-NCL Certificate Format

FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES (NCL) APPLYING FOR ADMISSION TO CENTRAL EDUCATIONAL INSTITUTIONS (CEIs), UNDER THE GOVERNMENT OF INDIA

This is to certify that Shri/Smt./Kum* _____ Son/ Daughter* of Shri/Smt.* _____of Village/ Town*_____District/Division* _____ in the State/Union Territory _____ belongs to the _____ community that is recognized as a backward class under Government of India**, Ministry of Social Justice and Empowerment's Resolution No. _____ dated _____***

Shri/Smt./Kum. _____ and/or _____ his/her family ordinarily reside(s) in the _____ District/Division of the _____ State/Union Territory. This is also to certify that **he/she does NOT belong to the persons/sections (Creamy Layer)** mentioned in Column 3 of the Schedule to the Government of India, Department of Personnel & Training O.M. No. 36012/22/93- Estt. (SCT) dated 08/09/93 which is modified vide OM No. 36033/3/2004 Estt.(Res.) dated 09/03/2004, further modified vide OM No. 36033/3/2004-Estt. (Res.) dated 14/10/2008, again further modified vide OM No.36036/2/2013-Estt (Res) dtd. 30/05/2014.

District Magistrate /
Deputy Commissioner /
Any other Competent Authority

Dated:

Seal

* Please delete the word(s) which are not applicable.
** As listed in the Annexure (for FORM-OBC-NCL)
*** The authority issuing the certificate needs to mention the details of Resolution of Government of India, in which the caste of the candidate is mentioned as OBC.

NOTE:

(a) The term 'Ordinarily resides' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.

(b) The authorities competent to issue Caste Certificates are indicated below:

(i) District Magistrate/ Additional Magistrate/ Collector/ Deputy Commissioner/ Additional Deputy Commissioner/ Deputy Collector/ Ist Class Stipendiary Magistrate/ Sub-Divisional magistrate/ Taluka Magistrate/ Executive Magistrate/ Extra Assistant Commissioner (not below the rank of Ist Class Stipendiary Magistrate).

(ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.

(iii) Revenue Officer not below the rank of Tehsildar' and

(iv) Sub-Divisional Officer of the area where the candidate and/or his family resides

ANNEXURE for FORM-OBC-NCL

Sl. No.	Resolution No.	Date of Notification
1	No.12011/68/93-BCC(C)	13.09.1993
2	No.12011/9/94-BCC	19.10.1994
3	No.12011/7/95-BCC	24.05.1995
4	No.12011/96/94-BCC	09.03.1996
5	No.12011/44/96-BCC	11.12.1996
6	No.12011/13/97-BCC	03.12.1997
7	No.12011/99/94-BCC	11.12.1997
8	No.12011/68/98-BCC	27.10.1999
9	No.12011/88/98-BCC	06.12.1999
10	No.12011/36/99-BCC	04.04.2000
11	No.12011/44/99-BCC	21.09.2000
12	No.12015/9/2000-BCC	06.09.2001
13	No.12011/1/2001-BCC	19.06.2003
14	No.12011/4/2002-BCC	13.01.2004
15	No.12011/9/2004-BCC	16.01.2006
16	No.12011/14/2004-BCC	12.03.2007
17	No.12011/16/2007-BCC	12.10.2007
18	No.12019/6/2005-BCC	30.07.2010
19	No. 12015/2/2007-BCC	18.08.2010
20	No.12015/15/2008-BCC	16.06.2011
21	No.12015/13/2010-BC-II	08.12.2011
22	No.12015/5/2011-BC-II	17.02.2014

APPENDIX-IV

DECLARATION / UNDERTAKING FOR OBC CANDIDATES ONLY

I, _____ son/daughter of Shri _____

resident of village/town/city _____ _____ ,

district _____ , State _____

hereby declare that I belong to the _____ community which is recognized as a backward class by the Government of India for the purpose of reservation if admission in Central Educational Institutions as per orders contained in Department of Personnel and Training Office Memorandum No.36012/22/93-Estt. (SCT), dated 08/09/1993. It is also declared that I do not belong to persons/sections (Creamy Layer) mentioned in Column 3 of the schedule to the above referred office Memorandum dated 08.09.1993 as revised from time to time.

Place:

Date:

<div align="center">Signature of the Candidate</div>

NOTE:

"The admission is provisional and is subject to the community certificate being verified through the proper channels. If the verification reveals that the claim of the candidate to belong to other Backward Classes or not to belong to creamy layer is false, his/her admission will be terminated forthwith without assigning any further reasons and without prejudice to such further action as may be taken under the provisions of Indian Penal Code for production of false certificates."

BOND SIGNED BY THE STUDENT SELECTED FOR COURSE AT THE INDIAN INSTITUTE OF SPACE SCIENCE AND TECHNOLOGY (hereinafter referred to as IIST), THIRUVANANTHAPURAM, HIS / HER PARENT / GUARDIAN AND SURETY FOR ACADEMIC PERFORMANCES AND OBLIGATIONS TO SERVE INDIAN SPACE RESEARCH ORGANISTION (ISRO)/DEPARTMENT OF SPACE (DOS)

This Bond is made on this the ………..…………..day of …………………….……….………………….. by

Mr./Ms…………..……………………………………………………………………………… …………………
  Resident   (Full Address)……………………………………………………………...

…… ………………….

…… ………………….
  (hereinafter called the "Student")
  and
Mr./Ms…………………………………………………………Aged………………………… ……………
  Resident   (Full   address)
……………………………………………………………………………………………..
  …… …………………
  Parent/Guardian of the Student (hereinafter called the "Parent")

Signature: Student   Parent / Guardian   Surety   Director

and

Mr./Ms……………………………………………………………Aged…………………………
……………

Resident   (Full   Address)……
…………………………………………………………………………………………….

……

………………….

(hereinafter called the "Surety")

In favour of the Director, Indian Institute of Space Science and Technology (IIST) at Thiruvananthapuram (hereinafter called the "Director").

The expressions Student, Parent and Surety shall include, unless the context otherwise requires, his/her heirs, executors, administrators and legal representatives and the expression Director shall include his successors and assigns. It binds the Parent and the Surety. It binds the Student on he/she becoming major.

WHEREAS

(i)   the IIST is a Society registered under the Travancore - Cochin, Literary Scientific and Charitable Societies Registration Act 1955, sponsored and established by the Department of Space, Government of India to impart education and encourage research in subjects related to Engineering and Space Science so as to prepare the students for absorption as Scientist/Engineers in Indian Space Research Organisation (ISRO)/Department of Space (DOS), subject to the conditions mentioned at (v) below.

(ii)   Students' at the IIST are provided DOS Assitanceship subject to prescribed academic performance level. However, at the beginning of each semester every student has to remit the prescribed fees in full.

(iii)   The DOS Assistanceship package meets the expenses towards Statutory Semester Fees, Student Amenity Fee, Hostel charges (including dining), Establishment charges, Medical coverage and Book Grant*

        *of these only the book grant is paid directly to the eligible students

(iv)   IIST offers Four Year B.Tech courses in Aerospace Engineering; Electronics and Communication Engineering (Avionics) and Dual Degree Five Year Course (B.Tech/Master of Science or M Tech) (hereinafter called the "Courses").

Signature: Student   Parent / Guardian   Surety   Director

(v)   The Student named Mr/Ms…………………………… Son/Daughter of ……………………………..has been admitted for the course ………………………… in IIST during the academic year 2018-19.   Mr. /Ms. ………………………… on completion of ……………………………. Programme at IIST with a minimum of 7.50 CGPA on a ten scale in four / five years of admission shall be considered for absorption as Scientist/Engineer `SC' in any of the ISRO/DOS Establishments.   However, the eligible student(s) with the required benchmark of 7.50 Cumulative Grade Point Average (CGPA) on a ten scale shall be given counseling for absorption, stream-wise, in the order of Merit only to the extent of vacancies notified by ISRO Headquarters for the purpose of absorption in the year of completion of the course.   The said Student will not have any claim for absorption in ISRO/DOS against the other vacancies or the vacancies notified for absorption occurring thereafter in ISRO/DOS Establishments during subsequent years.

On successful completion of course and receipt of Offer of Absorption issued by ISRO/DOS, the student/obligor hereby agrees to serve ISRO/DOS for a minimum period of three years.   The rejection of Offer of Absorption issued by ISRO/DOS will amount to non-fulfillment of service obligation of three years in ISRO/DOS.

(vi)   The Student, Parent and Surety are required to furnish a Bond in favour of Director, IIST binding that the Student shall diligently complete the Course and, if inducted in ISRO/DOS as mentioned at condition (v) above, shall serve ISRO/Department of Space as nominated by the Government of India for a minimum period of three years.

Now in consideration of Director, IIST granting the Student the admission to the said Course, which offers specialized education leading to the Students' possible induction in the aforesaid jobs, We the Student, the Parent and the Surety do hereby jointly and severally undertake and promise to pay to Director, IIST the sums mentioned herein below and failing thereof to pay with interest calculated at the prime lending rate plus 3 percent per annum for the time the amounts remain unpaid.

The condition of the Bond is that if the student successfully completes the Course and if absorbed in ISRO/DOS in accordance with the stipulations mentioned at condition (v) above, serves ISRO/Department of Space immediately thereafter for a minimum continuous period of three years, the Bond shall become void; otherwise it shall be fully operative.

On successful completion of the course and probable absorption subject to conditions mentioned at (v) above, the Director, IIST shall assign his/her interest in the bond to the Director of Centre/Unit to which the student is absorbed for and on behalf of the President of India. The proceeds of the bond as and when assigned to Director of the Centre/Unit will become operative in the event the student fails to serve three years in ISRO/DOS from the date of his/her induction.

Signature: Student   Parent / Guardian   Surety   Director

Other conditions of the Bond are as under:-

1. The Student shall undergo the Course and satisfy the attendance requirements as prescribed by the rules of IIST and shall not absent without prior permission from appropriate authorities of the IIST and that the Student, during the study at IIST, shall follow the prescribed rules, regulations, guidelines and other instructions as may be laid down by IIST from time to time.

2. In the event the Student is removed from the course for any of the following grounds, the Student, the Parent and the Surety shall pay to Director, IIST RUPEES TWO LAKHS plus the Assistanceship amount granted by the IIST during the Course.

   (a) Unsatisfactory disciplinary conduct during the course at the IIST and till the date of induction into ISRO/DOS.

   (b) Knowingly furnishing false particulars for admission to the IIST or

   (c) Failing to give correct medical history as required at the time of counseling/admission.

3. The decision of the Director, IIST shall be final as to whether a student falls under condition 2(a, b or c) above.

4. In the event the Student withdraws from the IIST without completing the course, the Student, the Parent and the Surety shall pay to the Director the full Assistanceship amount or a part thereof (as decided by the Director), granted by the IIST during the course.

5. In the event the Student not fulfilling the ISRO/DOS induction criteria of completing the course within FOUR / FIVE years with a minimum **C**umulative **G**rade **P**oint **A**verage **(CGPA)** of 7.50 or, as per the norms of IIST is a non performer on account of unsatisfactory academic progress and should consequently be removed from the rolls of the IIST, the Student, the Parent and the Surety shall repay the full Assistanceship amount or a part thereof, (as decided by the Director) paid to the Student during the course of study in the IIST.

6. In the event the Student (other than the Student belonging to SC, ST and PD category) while studying in IIST, fails to secure a minimum Grade Point Average (GPA) of 7.50 on a ten scale in any semester, the said Student will not be eligible for Assistanceship for the said semester.

6.1 For the student belonging to SC,ST and PD category, graded Assistanceship will be provided only if he/she secures a minimum GPA of 6.50 (in a scale of 10) in every semester. However SC, ST, PD category student, who secures a GPA of 5.50 and above, but less than 6.50 (in a scale of 10) in any semester, has to remit the pre-notified fees except for the Tuition fees to continue the studies in the said semester. In the event the SC, ST, PD category student secures a GPA of less than 5.50 (in a scale of 10) in any semester, he/she will not be eligible for Assistanceship for the said semester.

Signature: **Student**   **Parent / Guardian**   **Surety**   **Director**

7. In the event the Student while studying in the IIST is found unfit on medical grounds and is removed from the rolls of the IIST on that account, the Student, the Parent and the Surety, shall pay such amount as may be decided by the Board of Management of IIST.

8. In the event the Student, after successfully completing the Course, refuses to take up Induction/service as offered by the ISRO/Department of Space, the Student shall be liable to pay to the Director, IIST, RUPEES TEN LAKHS WITH INTEREST FROM THE DATE OF COMPLETION OF PROGRAMME TO THE DATE OF REMITTANCE and in the event of the Student not doing so, the Parent and the Surety shall pay RUPEES TEN LAKHS WITH INTEREST FROM THE DATE OF COMPLETION OF PROGRAMME TO THE DATE OF REMITTANCE.

9. In the event the Student, having taken up induction, seeks release or does not satisfactorily complete service for a minimum continuous period of three years from the date of induction, the Student shall be liable to pay the following sums to the concerned Centre/Unit Director to whom the said bond has been assigned by Director, IIST for and on behalf of the President of India:-

   (i) Student with less than one year of service in ISRO/DOS – Rupees TEN Lakhs

   (ii) Student with one to two year service in ISRO/DOS – Rupees NINE Lakhs

   (iii) Student with two to three year service in ISRO/DOS – Rupees EIGHT Lakhs

   and in the event the Student not doing so, the Parent and the Surety shall pay the sums as mentioned above.

10. In the event of any violations as above, necessitating recovery of any amount with interest from the Student, Parent and /or Surety, the Director, IIST or any other authority appointed in this regard will be at liberty to recover such amount or the loss assessed from any one or all of the above parties.

11. The education is sponsored for induction/absorption in ISRO/DOS subject to vacancies notified for absorption which may arise in ISRO/DOS in the year the Student/Obligor completes the course and not a gratuitous service. The Student, Parent and Surety are fully convinced of these matters and agreed the terms of this bond with free will and consent.

12. We (student, parent/guardian, surety) have thoroughly read and understood the terms and conditions provided in the Rules and Regulations of Students-2018 and agreed to abide by those terms and conditions and this bond is executed

Signature: **Student**   **Parent / Guardian**   **Surety**   **Director**

13. And it is lastly agreed that if there is any dispute to the effect, meaning of these presents or otherwise, however, except as to matters for which specific provision has been made in these present, the same shall be referred to the sole arbitration of the Secretary to the Government of India, Department of Space or any person appointed by him whose decision shall be the final and binding on the parties.

IN WITNESS WHEREOF the Student, the Parent and the Surety have set their respective hands on the day and

Witness (Name and Signature):   Student :

                                            Parent :

Witness (Name and Signature):   Surety :

                                            Accepted

                                            Director

APPENDIX-VI

MEDICAL EXAMINATION REPORT - 2019
(To be issued by a Class 'A' Registered Medical Practitioner)

PERSONAL HISTORY

1. Name   : .…………………………………………

2. Registration No   : .…………………………………………

3. Branch   : .…………………………………………

4. Parent / Guardian's Name   : .…………………………………………

5. Age   : ……………Years…….…..…Months

6. Sex   : ……………………………………..

7. Identification Mark of the Body, if any :

   …………………………………………

   (This can be a mole, scar or birthmark)

8. Major illness/ operation, if any   :

   …………………………………………

   (Specify nature of illness /operation)

MEDICAL CERTIFICATE

(The following are to be filled by the Class 'A' Registered Medical Practitioner

conducting the medical examination)

1. Height………………………..cm   2. Weight………………….…...kg

3. Past History   4. Chest

     a) Mental Disease………………   a) Inspiration……….……cm

     b) Epileptic Fits…………………   b) Expiration……….……cm

5. Blood Group……………………..   6. Hearing………………………….

7. Vision with or without glasses

     a) Right Eye…………………….   b) Left Eye………………………….

c) Colour Blindness……………. 8.   d) Uniocular Vision…………………

Respiratory system………………   9. Nervous system…………………

10. Heart

    a) Sounds……………………..

    b) Murmur……………………

11. Abdomen

    a) Liver……………………...

    b) Spleen……………………

12.   a)   Hernia…………………….

    b) Hydrocele…………………

13. Any other defects…………………………………………………………………..

Certified

that…………………………………………………………………….son/daughter

of…………………………………………………………………………….

a) fulfills the prescribed standard of physical fitness and is FIT for admission to IIST.

b) does not fulfill the prescribed standard of physical fitness and is unfit temporarily unfit for admission due to following defects.

Signature of the Medical Officer   Signature of the Candidate

Full Name……………………..

Medical Registration No…………

Date……………………………

Office Seal

<u>Instructions to students regarding medical procedure at the time of admission to IIST</u>

GENERAL EXPECTATIONS

Candidates should have good general physique, in particular,

a) Chest Measurement should be not be less than 70 cm, with satisfactory limits of expansion and contraction
b) Vision should be normal. In case of defective vision, it should be corrected to 6/9 in both eyes or 6/6 in the better eye.
c) Hearing should be normal. Defective hearing should be corrected.
d) Heart and lungs should not have any abnormality and there should be no history of mental disease or epileptic fits.
e) **<u>Should undergo immunization schedule in full and furnish the certificate in the enclosed format signed by Civil Surgeon/Medical Officer of a Government Hospital</u>**.

RECOMMENDED VACCINATION SCHEDULE

1) <u>Varicella (Chicken Pox)</u>

For those who have not had Chicken Pox or the vaccine, 2 doses of the vaccine with an interval of 4 weeks between the doses.

2) <u>Measles, Mumps and Rubella :</u>

Adolescents who did not receive the two-shot course of MMR vaccine, should receive 2 doses 4 weeks apart.

CERTIFICATE

This is to certify that……………………………………………………

S/o or D/o...residing

at…………….…………………………………………………………….

has taken Varicella (Chicken Pox), Measles, Mumps, Rubella Vaccine and Hepatitis B

Vaccine from his hospital on…………………..

<div align="center">OR</div>

This is to certify that…………………………………………………..

S/o or D/o...residing

at…………….…………………………………………………………….

has contacted Chicken Pox during………………………

Place: Signature and seal of Civil Surgeon/Medical Officer

Date: Name of the Hospital: