Indian Institute of Space Science and Technology

Declared as Deemed to be University under Section 3 of the UGC Act, 1956
An Autonomous Institute under Department of Space, Govt. of India
Valiamala, Thiruvananthapuram 695 547, Kerala

UG Admission Brochure

2021

Vision & Mission

Vision

To be a world class educational and research institution contributing significantly to the nation's space endeavours.

Mission

- Create a unique learning environment enriched by the challenges of the space programme.
- Nurture the spirit of innovation and creativity.
- Establish Centers 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.

Key Functionaries

Dr. K. Sivan
President, IIST Governing Body
Chairman, IIST Governing Council
Secretary, DoS /Chairman, ISRO

Dr. B. N. Suresh
Chancellor

Shri. S. Somanath
Director &
Chairman, Board of Management

Prof. Y V N Krishna Murthy
Senior Professor & Registrar

Prof. A. Chandrasekar
Dean
(Academic & Continuing Education)

Prof. Raju K. George
Dean
(Research & Development, IPR)

Prof. Kuruvilla Joseph
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 human resource for the Indian Space Research Organization (ISRO), one of the 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 on space sciences, space technology and space applications.

Equipped with excellent infrastructure and about 100 highly qualified faculty members, IIST has risen to great heights within a decade of its inception**.** It is ranked among the top 35 Engineering institutes of the country according to 2020 NIRF rankings of MHRD with a high score of more than 75% in Teaching, Learning and Resources, which is relatively superior to 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:
    - 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

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 more than 200 PhD scholars engaged in frontline research areas. The academic programms are 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.

All the academic labs in IIST are meticulously designed, with the best experimental set-ups and equipment. IIST has three Centres of Excellence in Advanced Propulsion and Laser Diagnostics, Virtual Reality and Nanoscience & Technology where students 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. With IIST stepping into the next decade, the decadal plans promise ample opportunities to the young, bright students to get actively involved in space related projects like ExoWorlds – An ISRO Exoplanet Mission, Space Robotics, Space Sensors,etc.

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

Table 1.1: Teaching Personnel

Department	Faculty Members	Scientific/Technical Staffs
Aerospace Engineering	24	18
Avionics	24	9
Chemistry	8	5
Earth and Space Sciences	14	3
Humanities	5	0
Mathematics	11	3
Physics	13	8

Table 1.2: Undergraduate Enrolment

Year	Aerospace Engineering	Avionics/ Electronics and Communication Engineering	Physical Science/ Dual Degree	Total
2007	49	60	29	138
2008	51	64	33	148
2009	52	65	34	151
2010	53	61	34	148
2011	59	58	21	138
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
2019	66	66	22	154
2020	64	63	22	149

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 2019, 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 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 persue their Masters' at one of the world's 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 competed and secured international fellowships under Lockheed Martin's Undergraduate Student Visitation Program, Mitacs Globalink Research Foundation, Canada and DAAD: German Academic Exchange service, Germany, and performed internships at prestigious international academic institutes.

Undergraduate and Dual Degree students are offered performance based financial assistance for every semester (detailed in Section 6). Additionally, undergraduate and Dual Degree students, on successful completion of their degrees, have the opportunity to be absorbed into the prestigious centres of ISRO subject to availability of vacancies 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. Also, the students can go through the IIST Placement cell for recruitments into various organizations.

Students graduating from IIST

The 8th convocation ceremony of IIST was held in online mode on 16th December 2020 at 10:00 hrs. This year a total of 230 academic degrees in various disciplines were awarded (B. Tech – 119, Dual Degree - 20, M. Tech – 70 and Ph. D - 21). Dr Shekhar C. Mande, Director General, CSIR was the Chief Guest. Dr. V. K. Dadhwal, Director, Dr. K. Sivan, President, Governing Council, IIST, Secretary DOS and Chairman, ISRO. Dr. B.N. Suresh, Hon. Chancellor, IIST and the Guest of Honor, Shri. S. Somanath, Director, VSSC congratulated all the degree holders and motivated them to innovate with their inspiring speech. Mr. Subham Saha (Avionics) and Mr. Kiran M Jayasurya (Master of Science in Astronomy & Astrophysics) bagged the gold medals for the toppers in U.G and P.G respectively. Cash Award and Excellence Certificate for the topper in B. Tech Aerospace Engineering was bagged by Mr Dibya Kanti Kolui. Ms. Kalepu Harsha Nikhitha (B. Tech, Avionics) received the Cash Award and Excellence Certificate for best all-round performance in academics, co-curricular and extra-curricular activities.

Table 1.3: ISRO/DOS Absorption Details (2011-2020)

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
2019	42	38	26	106
2020	38	43	19	100

*B.Tech Avionics was renamed as Electronics and Communication Engineering (avionics) 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, graduated in 2019.

Achievements of IISTians

INAE 2020 Award for innovative B. Tech Project

Varshith Reddy
Aerospace Engineering

British Sontakke
ECE

Siri Gadipudi
ECE

Gayathri Girish
ECE

Institute Medals of Excellence for Undergraduate

Subham Saha
B.Tech ECE
Institute Gold Medal - UG

Kiran M Jayasurya
Dual Degree Astronomy
Institute Gold Medal - PG

Dibya Kanti Golui
B. Tech Aerospace
Topper

Kalepu Harsha Nikhita
B. Tech ECE
Topper

Ms. Jigyasa Nigam, a MS Solid State Physics student has won the MARVEL INSPIRE Potentials Master's Fellowship. and did her Master thesis at École polytechnique fédérale de Lausanne (EPFL), Switzerland. She subsequently joined for the PhD program in the same institute.

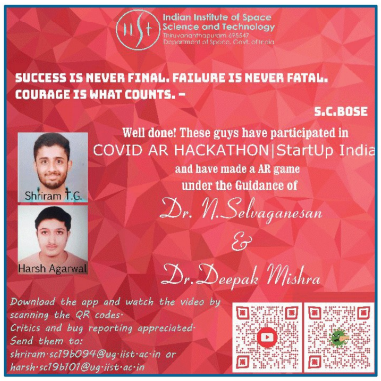
Mr. Sambhav Jain (2017 Batch) did his B. Tech Aerospace final year project in Laboratory of Movement Biomechanics, ETH Zurich, one of the world's premier institutes from Jan 2021 to Jun 2021 via online mode.

Mr. Rishin Aggarwal has been accepted as a Delegate to the prestigious HPAIR Harvard College conference 2021. HPAIR is an internationally recognized student organization at Harvard College, offering a fourm of exchange to facilitate discussion of the most important economic, political, and social issues relevant to the Asia- Pacific region . Participation is highly competitive as only 300 delegates around the globe are admitted.

Achievements of IISTians

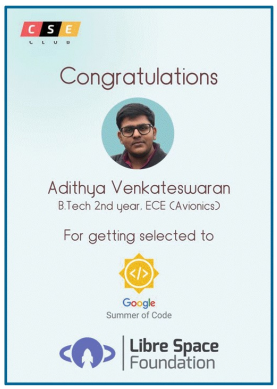
Mr. Shashank Tomar, B. Tech Aerospace (4th year) shortlisted for a summer internship at JPL, NASA and DAAD-WISE fellowship at the Institute of Fluid Mechanics and Aerodynamics at Bundeswehr University, Munich, Germany. Because of pandemic, he could not travel.

Mr. Devashish Bhalla, a 3rd year B. Tech Aerospace and his team reached the finals of Kerala Young Innovators Program (YIP). He is shortlisted as a delegate to attend HPAIR conference, 2021 through a competitive selection process. He is also a certified Solidworks professional.



Mr. Harsh Agarwal and **Mr. Shriram T G**, 1st Year B Tech students, have developed an AR game which was submitted to Covid AR challenge by 'GOI - Ministry of Commerce and Trade and Elixar Systems: COVID AR Challenge'.

Shri. Prateep Basu, an IIST alumnus (2007 B. Tech, Aerospace batch) and Founder of Satsure, has been awarded the prestigious Karman Fellowship 2020.



Shri. Adithya Venkateswaran (2nd year B.Tech ECE) has been selected to Google Summer of Code 2020.

GSoC is an annual global program that aims in facilitating students to connect and code with open source, free software, and technology-related organizations. With a mere 20-25% acceptance rate, the program allows accepted students to gain exposure to real-world software development and employment opportunities in areas related to their academic pursuits, by awarding stipends and allocating mentors for guidance throughout the course of the project.

GSoC:https://summerofcode.withgoogle.com/
Find Adithya's proposal here: https://summerofcode.withgoogle.com/projects/…

Other Achievements

Miss. Nidhi, B. Tech Aerospace (4th year) had published her poem in MIRAKEE considered to be the world's largest anthology platform on Nov 2020.

Online courses at Coursera

Many of IIST Students has utilized the pass time during this pandemic to sharpen their skills in their interested area and successfully completed many online courses in COURSERA platform. Sandeep P S from B.Tech Aerospace had completed 15 courses.

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

Balloon Experiment at IIST Ponmudi Campus

Students at Climate Observatry and Telescope Facility, IIST Ponmudi Campus

Campus life at IIST

There are fully equipped hostels, hygienic student canteens & cafeteria, bank and ATM, playgrounds, gyms, etc. Excellent medical and counselling facilities are also available on campus. Clubs like the Astronomy Club, Robotics Club, Aero club and Mathematics Club are very active in the campus. Conscientia, IIST's Astronomy & Technical Fest, is organized every year 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 an active participation from the entire IIST fraternity.

Sports @ IIST

i) IIST Students participated in All Kerala Open Chess Tournament on 5th March 2019 (NEXUZ-19), which is organized by Mar Baselious College of Engineering Trivandrum and won the Best College in Trivandrum Award and Abhishek A (3rd year - EP) won the Tournament's Championship.

ii) Mr. Abhishek A (3rd year Engineering Physics) participated in All Kerala Chess Tournament on 19th October 2019, which is organized by NIT Calicut and won Second position in the TATHVA event.

IIST Chess Team with Dr. V K Dadhwal, Director and Prof. Kuruvilla Joseph, Dean (SA, SW & OR)

IIST Chess Team (Left to Right) Mr. Dakshin Tillo - 3rd Year Engineering Physics, Mr. Harikrishnan S - 2nd Year Engineering Physics, Mr. Jaswanth Waddi - 3rd Year Avionics, Mr.Abhishek - 3rd Year Engineering Physics and Mr. Fenil Shah - 4th Year Engineering Physics

2 UNDERGRADUATE PROGRAMMES: AN OVERVIEW

(1) *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)

(2) *Electronics and Communication Engineering (ECE) (Avionics)*

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 the areas of Digital Signal Processing, RF & Microwave Communications, Antenna, Power Electronics, Microelectronics, Control Systems, Computer Science and Engineering, Artificial Intelligence, Robotics, etc. (visit https://www.iist.ac.in/academics/curricula for detailed curriculum and syllabus).

(3) *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 3.1: Undergraduate and Dual Degree Programmes

	GEN/ OBC (NCL)/ SC/ ST	EWS*	PMSSS**	Women	Total
Aerospace Engineering	56	6	3	5	70
Electronics and Communication Engineering (Avionics)	56	6	3	5	70
Dual degree	18	1	0	3	22
Total	130	13	6	13	162

Important Notes:

(i) *: From 2019 academic year and as per the directive, reservation for the Economically Weaker Sections (EWS) to the extent of 6 (six), 6 (six), and 1 (one) seats (10% of last year's total strength) in the branches of Aerospace Engineering, Electronics and Communication Engineering and Dual Degree, respectively has been implemented.

(ii) **: Beginning 2020 academic year and as per the recent directive from AICTE, supernumerary seats under the Prime Minister's Special Scholarship Scheme for Jammu & Kashmir students (PMSSS) in the branches of Aerospace Engineering and Electronics and Communication Engineering is being implemented. The selection under this category will be carried out by the PMSSS Cell of AICTE adhering to the minimum eligibility criteria prescribed by IIST (see Section 8 of the brochure).

(iii) †: 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 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:

(i) *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.

(ii) *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.

(iii) *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, 2021** 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.

(iv) *PD Candidates:*

5% seats are reserved (horizontal reservation) 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.

Table 4.1: Category-wise seat matrix

Academic Programme	General	OBC-NCL	SC	ST	Total	EWS*	PMSSS**
Aerospace Engineering	29 (1)	15 (1)	8	4 (1)	56	6	3
Electronics and Communication Engineering (Avionics)	29 (1)	15 (1)	8 (1)	4	56	6	3
Dual Degree	8 (1)	5	3	2	18	1	0
Total	66	35	19	10	130	13	6

Table 4.2: Women supernumerary Seat Matrix

	GEN	OBC	SC	ST	Total
Aerospace Engineering	2	2	0	1	5
Electronics and Communication Engineering (Avionics)	3	1	1	0	5
Dual degree	1	1	1	0	3
Total	6	4	2	1	13

Important Notes:

(i) Number in bracket indicates that one PD candidate is included.
(ii) * and **: Refer to Important Notes discussed under Table 3.1.

5 SEMESTER FEE STRUCTURE

The undergraduate and Dual Degree Fee structure for the students admitted from Academic Calendar 2021-2022 onwards and new admissions is provided in Table 5.1.

Table 5.1: Details of Fee Structure

Description of fee	Amount (in Rs.)
One Time Fee	
Admission Fee (Non-Refundable)	500
Campus Development Fee	1000
Institute & Library Deposit (Refundable)	5000
Alumni Fee[1]	500
Convocation cum Degree Fee[1]	2000
Total	**9000**
Semester Fee	
Tuition Fee[2]	62500
Computer Fee	750
Internet Fee	250
Library Fee	1000
Examination Fee	500
Registration and Enrollment Fee	200
Association and Cultural Fee	500
Sports Facilitation Fee	250
Medical and Insurance Fee	2000
Total	**67950**
Hostel & Mess Fee per semester	
Hostel Establishment Charges	5000
Hostel Rent	3000
Electricity and Water Charges	750
Mess Semester(Advance) for 5 months	15000
Optional : Vacation Mess charge(per month)	3000
Total without Vacation mess charge	**23750**
Grand Total at the time of Admission	**100700**
Grand Total Every Semester	**91700**

1. Will be collected with the final semester fee
2. Tuition Fee
   a. UR /EWS/ OBC-NCL parental annual income >Rs. 5.0 Lakh : Tuition Fee - Rs. 62500.00
   b. UR/EWS/OBC-NCL parental annual income ≤Rs. 5.0 Lakh: Tuition Fee - Rs. 20850.00
   c. UR/EWS/OBC-NCL parental annual income <Rs. 1.0 Lakh: Tuition Fee - NIL
   d. SC/ST/PD: No Tuition Fee

   Tuition fee waiver for UR/EWS/OBC-NCL categories as per above table will be applied after the verification of Parental Annual Income
3. Supplementary Examination Fees: Rs. 100.00 per paper

Important Notes:

(i) 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.

(ii) Amount to be paid at the time of admission:

- GEN/OBC/EWS: Rs 20700.00 ((one-time fee-(convocation + alumni))+(semester fee-tuition fee)+hostel establishment fee + hostel Rent + Electricity)
- SC/ST/PD: Rs. 20700.00

(iii) The rest of the amount need to be paid while joining the institute

(iv) 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.

(v) Except Tuition Fee, the other components are subject to revision, and any changes will be informed well in advance.

6 MERIT SCHOLARSHIPS

A. The top 5 students (UG/DD) admitted in 2021-22 who have secured AIR (All India Rank, in JEE Advanced Examination, 2021) up to 1000 would be entitled to full fee waiver for the first year. However, they have to maintain a CGPA of 9.0 and above in a scale of 10 at the end of each year in order to obtain full fee waiver for the subsequent year.

B. Students (UG/DD) admitted in 2021-22 and securing a CGPA of 9.0 or higher (in the scale of 10) **in a given semester** would receive a 50 percent tuition fee waiver in next semester. The number of waivers shall be limited to ten percent (10%) of the admitted students in each program.

7 ISRO/ DOS ABSORPTION POLICY FOR 2021 ACADEMIC YEAR ONWARDS

Based on notified vacancies in different specializations, by ISRO/DOS, undergraduate and Dual Degree (viz. B.Tech in Aerospace, B.Tech in Electronics &Communication Engineering (Avionics) and Dual Degree in Astronomy & Astrophysics, Earth System Science, Solid State Physics, and Optical Engineering) students will be eligible for recruitment to the post of Scientist/ Engineer-SC, subject to fulfilment of the following conditions applicable to **ALL** categories of students:

i. Interested students securing a CGPA of 7.0 or above (on a scale of 10) at the end of sixth (B.Tech)/ eighth (DD) semester will be eligible to appear for a job placement interview organized by ISRO Headquarters.

ii. The eligible candidates will be interviewed by the ISRO Expert Committee and panel list will be prepared accordingly.

iii. Posting of the candidates to Centres/Units shall be notified by ISRO Headquarters.

iv. Students should secure minimum Cumulative Grade Point Average (CGPA) of 7.5 (on a scale of 10) at the end of B.Tech/ Dual Degree Programmes & should successfully complete the B.Tech and Dual Degree Programmes in 4 (four) and 5 (five) years, respectively to be eligible for issue of offer letter.

v. Students are also required to be fully medically fit as per ISRO norms.

8 ELIGIBILITY FOR ADMISSION

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

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

(2) **Date of Birth:** Candidates belonging to General, EWS and OBC-NCL categories must have been born **on or after October 1, 1996**. Candidates belonging to SC/ ST and PD categories must have born **on or after October 1, 1991**.

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.

(3) **Minimum Marks Requirement in Qualifying Examination:** Keeping in mind the pandemic situation prevailing in the country, IIST UG Admission 2021 has relaxed the admission criterion. In line with the decision taken by the Central Seat Allocation Board and the IITs, candidates are now required to only qualify in one of the examinations listed below. This modification is done for the year 2021 only.

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.

(4) **Minimum Marks Requirement in JEE (Advanced) 2021 Examination:**

Candidates should have appeared for the **Joint Entrance Examination (Main)-2021** conducted by National Testing Agency (NTA), to qualify themselves to appear for the **Joint Entrance Examination (Advanced)-** 2021 conducted by **IITs** and secure the minimum prescribed marks as given below:

Table 8.1: Minimum Marks Requirement in JEE (Advanced)–2021 Examination

Sl No.	Category	Minimum Marks
1.	General	At least 16% marks in aggregate and at least 4% marks in each of the three subjects (Physics, Chemistry and Mathematics)
2.	EWS/ OBC-NCL	At least 14.4% marks in aggregate and at least 3.6% marks in each of the three subjects (Physics, Chemistry and Mathematics)
3.	SC/ ST/ PD	At least 8% marks in aggregate and at least 2% marks in each of the three subjects (Physics, Chemistry and Mathematics)

9 IMPORTANT DATES

Table 9.1: Tentative Dates of Undergraduate Admission

Opening of Online Registration and Filling-in of Branch Preferences	October 6, 2021, 10:00 Hr
Closing of Online Registration	October 20, 2021, 15:00 Hr
Publication of IIST Admission Rank List	October 21, 2021, 17:00 Hr
Closing date for Modification of Branch Preferences	October 22, 2021, 17:00 Hr
Seat Allotment/ Acceptance rounds	Seat Allotment/Acceptance rounds is tentatively scheduled to start from October 23, 2021
Re-validation of registration of Waiting List Candidates	
Joining IIST**	November 30 2021, (Reporting Time:10:00 Hrs)
Spot Admissions Notification, if required (in case of vacancies)	November 30, 2021, 14:00 Hrs
Spot Admissions Registration, if required (Applicable only for remaining wait-listed candidates after last round of seat allotment)	November 30, 2021,16:00Hrs to December 2, 2021, 09:00 Hrs
Spot Admissions, if required. (Online) (Applicable only for remaining wait-listed candidates after last round of seat allotment)	December 2, 2021, 11:00 Hrs
Closing of Admission	December 4, 2021
Commencement of Classes**	December 7, 2021-
Induction Programme**	December 2, 2021- December 6, 2021
Last date for joining	December 10, 2021

Important Notes:

(i) **: In-campus or online as per the Covid-19 situation prevailing during that time.
(ii) 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

10 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:

(1) **Registration:**

Visit the online application portal (http://admission.iist.ac.in) and choose the link to **Undergraduate Admission** 2021. 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 required to upload soft copy of the same photograph that they have used for JEE (Advanced) 2021 registration.

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

(2) **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 10.1: 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

(3) **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) **2021** Examination subject to satisfying the minimum marks prescribed in Table 8.1.
- 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)–**2021** Examination, in the respective category.

Table 10.2: IIST UG Admission Statistics
Opening and Closing Percentage of JEE (Advanced) Marks for 2018, 2019 and 2020

Opening and closing Percentage of JEE Advanced 2020 marks

Category	Bachelor of Technology (B. Tech)				Dual Degree (B.Tech + Master of Science/ Master of Technology	
	Aerospace Engineering		Electronics and Communication Engg			
	Open	Close	Open	Close	Open	Close
General	39.9	29.80	45.45	28.28	37.88	28.79
EWS	29.29	24.75	28.03	23.48	24.24	23.23
OBC	28.28	21.72	26.77	21.46	25.00	21.21
SC	24.75	10.35	19.95	9.85	15.66	11.11
ST	-	-	-	-	13.13	13.13

Opening and closing Percentage of JEE Advanced 2019 marks

Category	Bachelor of Technology (B. Tech)				Dual Degree (B.Tech + Master of Science/ Master of Technology	
	Aerospace Engineering		Electronics and Communication Engg			
	Open	Close	Open	Close	Open	Close
General	58.6	34.14	51.34	34.14	47.85	35.22
EWS	33.87	31.18	32.80	31.18	30.91	30.11
OBC	34.14	29.30	32.80	28.76	32.26	27.96
SC	26.61	17.20	19.09	15.59	28.23	26.08
ST	15.59	11.56	16.94	11.83	11.83	11.02

Opening and closing Percentage of JEE Advanced 2018 marks

Category	Bachelor of Technology (B. Tech)				Dual Degree (B.Tech + Master of Science/ Master of Technology	
	Aerospace Engineering		Electronics and Communication Engg			
	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

(4) **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 during time of registration. Registration **WILL NOT** be completed without the branch preference. Last date for modifying branch preference is specified in Table 9.1.
- After the culmination of the specified dates given in Table 9.1, the preferences will be locked. **No further change of choice/ preference will be entertained.**
- Candidates are strongly advised to choose the branch as per their interest.
- **It is NOT mandatory to fill-in all three choices.**

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

- Detailed schedule for seat allotment/ acceptance rounds will be announced 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 are advised to be sure before choosing this option.**
- 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-2020.**
- 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:
    - Candidates (all categories) are required to make an online payment of First Semester Fee amounting to INR 20700 (rest of the amount will be collected on arrival at IIST) before the specified date/time which will be notified on the website. **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.**
    - 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.
    - Candidates are required to upload scanned copies of the following documents before the specified date/ time which will be notified on the website.
        - 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 **2020 and/or 2021**).
        - Class XII (or equivalent examination) certificates (for those who appeared for this examination in **2020 and/or 2021**).
        - Category (EWS/OBC-NCL/SC/ST/PD) certificates.
        - Transfer Certificate from the institute last attended.
        - Candidate's AADHAR Card.
    - Documents should be uploaded by clicking on the **UPLOAD DOCUMENTS** link.
    - On successful verification of documents, a provisional ADMIT CARD will be generated.
    - On intimation, the candidates can download the same by logging into the Online Admission Portal.
    - Candidates will be required to produce the ADMIT CARD 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 which will be notified on the website.
- **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.**

(6) **Seat Allocation shift from Category to General:**

- For candidates who are allotted and accept seats under the reserved category by choosing the FREEZE option, their higher preference(s) from category and general rank list will be removed. In subsequent rounds, based on available vacancies, if they secure a seat under the

general category then they will be shifted to the general category and vacate the allotted seat under the reserved category.

- For candidates who are allotted and accept seats under the reserved category by choosing the SLIDE option, their higher preferences in both the category and general rank list will be retained. In subsequent rounds, based on available vacancies, seat allotment and shift to general category will proceed as above.

(7) **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. The refund policy (as per UGC guidelines) is given below. The amount will be deducted from the paid First Semester Fee.

Table 10.3: Refund Policy for UG Admission*

S.No	Percentage of Refund of Aggregate Fees	Point of time when notice of withdrawal of admission by candidate	Amount to be deducted
1	100%	15 days or more before the formally notified last date of admission	Rs 1000/- as Processing Charge
2	90%	Less than 15 days before the formally notified last date of admission	10% of the fees + Medical + proportionate Hostel charges.
3	80%	15 days or less after the formally notified last date of admission	20% of the fees + Medical + proportionate Hostel charges.
4	50%	30 days or less but more than 15 days, after the formally notified last date of admission	50% of the fees + Medical + proportionate Hostel charges.
5	0%	More than 30 days after the formally notified last date of admission	No Refund of Fees after 30 days from the formally notified last date of admission

*** Subject to changes according to the UGC guidelines available at the time of admission.**

11 SCHEDULE FOR SEAT ALLOTMENT/ ACCEPTANCE ROUNDS

Tentative date for starting of Seat allotment/acceptance is indicated in Table 6. The detailed scheduled will be uploaded on the website.

12 JOINING IIST

Candidates, who have accepted the seat allotment, are required to join IIST on the date specified in Table 9.1. Given the pandemic situation in the country, the joining procedure is likely to be carried out online.

- Online video link for joining process will be sent to the Candidate's registered E-mail Id. Candidates are requested to ensure network connection prior to the joining process.
- Candidates are required to submit a Medical Examination Report in the prescribed format (will be circulated during admission) before the date intimated during the admission.

13 ACADEMICS DURING THE PANDEMIC

IIST coped with the new normal by embracing the state-of-the-art online applications and ensured that the student's education was not hindered even at this pandemic. Some of the tools are:

13.1 MOODLE – Learning Management System software (Open source)

All students were provided with unique login space which aid them to register for their courses in IIST. All the recorded live sessions of the lectures, study materials, assignments were posted in the MOODLE. It allows the course coordinators to conduct the continuous assessment of students through exams in different modes like regular essay model, objective type etc.

All lectures were conducted through online platform and a strict time table was followed. The maximum duration of each lecture was 45 minutes and a 15 minutes break was ensured between the lectures. All the live sessions were recorded and uploaded in a private you tube channel to have the round-the-clock access to the students. Tutorial sessions were also conducted. Lab experiments were also conducted online by trained lab staffs. The experimental data were recorded by the lab staff and were shared to the student individually which help the students to complete the lab report. Exams were also conducted through video mode by having enough invigilators.

14 CAMPUS LIFE DURING PANDEMIC

Online Induction program for UG-2020 students (18-25 November 2020)

As part of the induction program for the UG 2020 students, a series of Youth Empowerment and Skills sessions (YES+) were offered from November 18 - 25, 2020 to all new students. The online sessions on each day included 1.5 hours of yoga, deep-breathing techniques, meditation, lessons on stress relief, time management, and practical tips for enhancing emotional and physical well-being. The sessions were handled by Anand Narayan and Rajalekshmi S, who are yoga practitioners and trainers certified by Ministry of AYUSH, Government of India.

15 PLACEMENT

Till 2020, the students, who secured a minimum CGPA criterion, are absorbed in different ISRO centres. Till last year, 1051 students absorbed in ISRO centres with 100 students got the job last year. From 2021 admissions, the absorption to DOS/ISRO has been revised and for more information refer to section 8. The placement cell serves as an interface with different companies to facilitate campus placements for the students of IIST. Some of the companies visited IIST for past few years are listed in Table 15.1. More details can be found at https://iist.ac.in/placementcell

Table 15.1: List of companies visited IIST

Sr. No	Companies Visited	Year of visit	Sr. No	Companies Visited	Year of visit
1	M/S Acsia Technologies	2020	52	M/S Jyoti Electronics	2019
2	M/S Adobe Systems	2018	53	M/S Kottakal Business Solutions	2017,2020
3	M/S Agnikul Cosmos Pvt Ltd	2018,2019 ,2020	54	M/S KPIT Cummins	2016,2018, 2020
4	M/S Augsense Labs	2020	55	M/S LEOS	2017
5	M/S Amrit College	2015	56	M/S LDRA	2017

6	M/S Analog Devices	2016,2017 ,2020	57	M/S LEADR	2020
7	M/S Airbus	2017	58	M/S LM Wind Power	2016
8	M/S Airolab Opticals	2019	59	M/S Machine Tools India Pvt.Ltd	2019
9	M/S Astra Microwave	2015	60	M/S Mantra Softtech Pvt.Ltd	2020
10	M/S Axon	2016	61	M/S Mathworks	2016,2017, 2018
11	M/S Bellatrix Aerospace	2019	62	M/S Mahindra Electric	2019
12	M/S Broadcom	2017	63	M/S Mavaan Unmanned	2017
13	M/S C-DAC	2020	64	M/S Maveric Systems	2020
14	M/S Carl zesis	2017	65	M/S MEASAT	2017
15	M/S Climate connect Technology	2019	66	M/S Mercedes Benz	2018,2019, 2020
16	M/S COMDEV Services Pvt.Ltd.	2015	67	M/S Mercados	2020
17	M/S Collins Aerospace	2019	68	M/S NFTDC	2015,2016
18	M/S COMSOL India	2018,2020	69	M/S Nayam Innovation	2018
19	M/S Continental Automotives	2017,2018	70	M/S New Space Research Technology	2018,2020
20	M/S Centum Electronics	2017	71	Orchids	2020
21	M/S Cell Propulsion	2018,2020	72	M/S Oxygent Technology	2015,2017
22	M/S Cypress Semiconductors	2019,2020	73	M/S Philips	2015,2017, 2018
23	M/S Delta Electronics	2018,2019 ,2020	74	M/S Pinnacle Solutions	2019
24	M/S Dhruva Space	2016,2017	75	M/S Pointwise Solutions	2019
25	M/S Dolcera Pvt.Ltd	2018,2020	76	M/S Quest	2017
26	M/S DSI Technology	2017	77	M/S Reixend Solutions	2019
27	M/S EY	2017	78	M/S ROAMS European	2018
28	M/S ESSI Integrated Systems	2019	79	M/S Robert Bosch	2019,2020
29	M/S Faurecia	2020	80	M/S Sasthra University	2015
30	M/S Finisar Technology	2018	81	M/S Satsure	2017,2018, 2019,2020

31	M/S Flytxt Mobile	2018,2019 ,2020	82	M/S SFO Technologies	2020
32	M/S Fiber Optics	2018	83	M/S Skylark Drones	2016,2017, 2018,2019
33	M/S Gauge Data Solutions	2017	84	M/S Sorokosoft	2017
34	M/S GE	2016,2018	85	M/S Sasken Technologies	2019
35	M/S GES Infotek	2018	86	M/S Systems Control	2018
36	M/S Good Global Solutions	2017	87	M/S Subex	2018,2019, 2020
37	M/S GES Infotech	2018	88	M/S Tatatsuldealabs	2015,2016
38	M/S HFCL Group	2017	89	M/S Team Indus	2015,2016, 2017,2018
39	M/S Hind High Vaccum Pvt.Ltd	2020	90	M/S Tata Consultancy Services	2015,2016, 2017,2018, 2019,2020
40	M/S Hughes communications	2018	91	M/S Tata Elaxis	2015,2016, 2020
41	M/S Ideas Ahead Solutions	2018,2019	92	M/S Techvantage Technologies	2020
42	M/S IBM	2017	93	M/S Tata Advance systems	2017,2018
43	M/S Ignitarium	2019,2020	94	M/S Textron	2020
44	M/S Infosys	2020	95	M/S Texas Instruments	2018
45	M/S IIT madras	2015	96	M/S UTC Aerospace	2016,2017, 2018
46	M/S IIT Khargpur	2016	97	M/S VassarLabs	2018
47	M/S INTEL	2016,2017 ,2018,201 9,2020	98	M/S Viasat	2018
48	M/S Indian Navy	2017	99	M/S Vizexperts	2016,2017, 2018
49	M/S Innovation Incubators	2020	10 0	M/S Wavelet Technology	2016,2017, 2018
50	M/S Iquantela	2019,2020	10 1	M/S Wipro	2014,2018
51	M/S Josh Talks	2018			

16 CONTACT DETAILS

Contact Address	Chairperson, UG Admissions Indian Institute of Space Science and Technology Valiamala (P.O.), Thiruvananthapuram – 695547 Kerala, INDIA
E-Mail	ugadmission@iist.ac.in **Queries will be answered via E-mail ONLY**
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 **Help Desk will assist ONLY in Online Admission Procedure. Other queries will be accepted and answered over E-mail ONLY.**

17 DISPUTE REDRESSAL

Any complaints, grievances, etc. related to Admission to IIST must be referred to the Chairperson, Undergraduate Admissions–2021, 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.

18 INFORMATION ON UPDATES TO THIS BROCHURE

01 Oct 2021 –

1. In Table 1.2, the last row, has been updated from 65, 63, 62, 150 to *64, 63, 62, 149*.
2. In the important notes section of Table 3.1, "----Economically Weaker Sections (EWS) to the extent of 6 (six), 6 (six), and 2 (two) seats (10% of last year's total strength)----" has been updated to ---- "*Economically Weaker Sections (EWS) to the extent of 6 (six), 6 (six), and **1 (one)** seats (10% of last year's total strength)----*".

APPENDIX - I **FORM-GEN-EWS**

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.

APPENDIX - II

FORM-SC/ST

SC/ST Certificate Format

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.

APPENDIX - III

FORM-OBC-NCL

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:

Signature of the Candidate

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."