

List of Modules
World Space Week 2025 | October 9 – 10, 2025

S. No.	Module Name	Language	Module Format	Grade	Duration	Max. No of Students Per Institute	Description
A.	Space Knowledge Quest						
1	Voices for the Future: Pakistan Space Policy Debate	English	Recitation	9 – 12	3 minutes	1	Participants will individually deliver a 3-minute speech in English, either in favor of or against Pakistan’s Space Policy. The official policy document is available on https://suparco.gov.pk/wp-content/uploads/2024/01/National-Space-Policy.pdf for preparation. Judges will evaluate participants on content, clarity, delivery, and critical analysis.
2	Pakistan's Cosmic Journey: Space Heritage Quiz	English	Written Quiz	9 – 12	45 minutes	1	Participants will test their knowledge in a quiz focused on the history and achievements of Pakistan’s space science and technology program. The quiz will consist of multiple-choice questions (MCQs) to be completed within 45 minutes. To prepare, participants may consult the Pakistan Space Agency website and other reliable online resources.
3	Galactic Puzzles: Space Crossword	English	Written Crossword	6 – 8	45 minutes	1	Participants will receive a puzzle filled with clues related to space science and technology. They will use their knowledge to fill in the correct answers and complete the crossword within 45 minutes.
B.	Space Creative Writing						
4	Words from the Cosmos: Space Storytelling	English	On-Spot Writing & Recitation	9 – 12	60 minutes writing & 3 Minutes Reciting	1	Participants will select one of the provided space-themed pictures and compose a creative piece of writing inspired by it. They will have 60 minutes to complete their composition of 400-500 words, followed by a 3-minute recitation of their work in front of the judges. Writing sheets will be provided, but remember to bring your own pens and stationery. This competition offers a chance to combine imagination with expression, bringing space life to words.
5	Words from the Cosmos: Space Storytelling	Urdu	On-Spot Writing & Recitation	9 – 12	60 minutes writing & 3 Minutes Reciting	1	Participants will select one of the provided space-themed pictures and compose a creative piece of writing inspired by it. They will have 60 minutes to complete their composition of 400-500 words, followed by a 3-minute recitation of their work in front of the judges. Writing sheets will be provided, but remember to bring your own pens and stationery. This competition offers a chance to combine imagination with expression, bringing space life to words.
6	Alien Dialogue: A Galactic Conversation	English	Written Dialogue on Announced Theme	6 – 8	60 minutes writing & 3 Minutes Reciting	1	In this competition, participants will craft a 250-350 word dialogue with an Alien on Mars, with the theme of Living in Space. Each part of the dialogue must start with the next letter of the alphabet, from A to Z. They will have 60 minutes to complete their composition, followed by a 3-minute recitation of their work in front of the judges. Writing sheets will be provided, but students must bring their own pens and stationery.
C.	Space Technology Demonstration						
7	Space Robotics: Lunar Rover Challenge	English/Urdu	Demonstration	9-12	2 hrs.	Team of 2 members	Each team will bring a functional "Automated Rover", designed and developed at home, school, or college, for planetary exploration. The rover should demonstrate at least feature of obstacle detection to simulate navigation on extraterrestrial terrain. Teams may add additional functions to enhance performance and earn bonus points. Teams must demonstrate their rover and explain its design and capabilities to the judges. Electronic components should be sourced from local markets. Teams are encouraged to use the internet to gather more information about Rover design and functionality.

8	Orbital Miniatures: CanSat Challenge	English/Urdu	Demonstration	9 - 12	2 hrs.	Team of 2 members	Each team will bring a "Functional CanSat", designed and developed at home, school, or college, fitting within the dimensions of a standard soda can. The CanSat must include basic sensors such as an IMU, pressure sensor, and temperature sensor, and should transmit data to a ground station. Teams must demonstrate their CanSat's functionality and explain its operation to the judges. Electronic components should be sourced from local markets. Teams are encouraged to use the internet to gather more information about CanSat design and functionality.
9	Exploring Rocket Science: Aqua Rockets	English/Urdu	Demonstration	9 - 12	2 hrs.	Team of 2 members	Each team will bring a "Water Rocket", built at home/school/college using 1.5-liter PET bottles and other materials. On event day, the IST management team will conduct the launches from the official launch pad. Teams can access the dimensions and specifications of the launch pad and rocket requirements from our knowledge repository https://ncgsa.org.pk/world-space-week/ . Rockets will be judged on flight duration, and overall design. Teams are encouraged to use the internet to gather more information about Water Rocket design and functionality.
10	Reinventing Flight: Glider Flying	English/Urdu	Demonstration	9 - 12	2 hrs.	Team of 2 members	Each team will bring a 'Balsa Wood Glider,' built at home, school, or college using Balsa wood. On the event day, the IST management team will conduct the test flights from the official flying area. Teams can access the dimensions and specifications of the glider requirements from our knowledge repository https://ncgsa.org.pk/world-space-week/ . Gliders will be judged on flight duration, aerodynamic stability, and overall design.
11	Mapping Stories: Pictorial Geotagging	English	Demonstration	6 - 8	2 hrs.	Team of 2 members	Each team will create and bring a Story Map using Google Earth, showcasing a fictional one-day visit to any place with at least twelve images and a minimum travel distance of 5 km between locations. The Story Map should combine geotagged images and narratives to build an engaging and coherent storyline. On event day, teams will deliver a brief oral presentation to the judges, explaining their design process, narrative choices, and overall relevance.
D.	Space Models & Collectibles						
12	Space Prototyping: Project Displays	English/Urdu	Display	6 - 8	-	Team of 2 members	Each team will bring a space-related project that addresses aspects of <i>Life in Space</i> . Teams must bring their completed projects to the event. During the display, teams will demonstrate their projects and provide a brief oral presentation to the judges, explaining their design and relevance. The projects will be evaluated based on creativity, functionality, and the clarity of the presentation.
13	Space Philately: Space Commemorative Postage	English/Urdu	Display	6 - 8	-	Team of 2 members	Participants are required to bring the images of a collection of 15-20 commemorative space postage stamps, arranged and pasted on black chart paper. Along with the stamps, a short description for each stamp should be included. During the event, the collection will be displayed for judgment, and participants will give a brief oral presentation to the judges about the significance and history of the stamps.
14	Space Coinage: Space Memorials	English/Urdu	Display	6 - 8	-	Team of 2 members	Participants are required to bring the images of a collection of 15-20 commemorative space coins, arranged and pasted on black chart paper. Each coin should be accompanied by a short description. The collection will be displayed for judgment, and participants will provide a brief oral presentation to the judges about the significance and background of the coins.
15	Space Voyager: Creative Astronaut Design	English/Urdu	Display	9 - 12	-	Team of 2 members	Each team will design and bring a 5-ft life-sized astronaut model made from any material, preferably recyclable to promote sustainability. On the event day, models will be displayed and teams will give a short oral presentation explaining their design, material choices, and connection to real astronauts. Entries will be judged on creativity, realism, use of materials, thematic relevance, and clarity of presentation, combining art, design, and space science in a creative showcase.
E.	Space Art & Design						
16	Cosmic Hues: Space Paintings	NA	On Spot Painting	9 - 12	2 hrs.	1	Participants will create an on-the-spot color painting based on theme of "Living in Space". They may bring their own painting materials and stationery, while a scholar sheet of size 22"x30" or 18"x24" will be provided by IST. Participants will have 2 hours to complete their painting.

17	Celestial Strokes: Space Calligraphy	NA	On Spot Calligraphy	9 - 12	2 hrs.	1	Participants will create calligraphy of verses from the Holy Quran related to Space Science. They may bring their own calligraphy materials, while a scholar sheet of size 22"x30" or 18"x24" will be provided by IST. Participants will have 2 hours to complete their calligraphy.
18	Space Caricatures: Alien Sketching	NA	On Spot Sketching	6 - 8	2 hrs.	1	Participants will create a caricature or alien sketch based on theme of "Living in Space" on an A4 sheet of paper. They can use pencils and colors of their choice. They may bring their own painting materials and stationery, while an A4 sheet will be provided by IST. Participants will have 2 hours to complete their artwork.
19	Shades of the Cosmos: Space Sketching	NA	On Spot Sketching	9 - 12	2 hrs.	1	Participants will create an on-the-spot sketch based on a theme related to "Living in Space". Participants should bring their own sketching materials and stationery; a scholar sheet of size 22"x30" or 18"x24" will be provided by IST. Participants will have 2 hours to complete their sketch.
20	Astrophotography: Moon Imaging	NA	Submission	9 - 12	Submission Event	1	Participants are required to capture original images of the Moon using any camera. If available, they may use a telescope to enhance their shots. While participants can process their images to improve quality, they must not alter the color of the photograph. Astrophotography should be submitted in the hard form and soft form on the day of the event.
21	Digitizing Space: Poster Design	NA	IST Computer Labs	9 - 12	2 hrs.	1	Participants will design a poster (24 x 36 inches) using software such as Photoshop, Illustrator, Canva, CorelDraw, or MS Paint on the theme of "Living in Space". Participants are encouraged to bring their own laptops with software installed, while the internet access will be provided. The design process will take place in the IST computer labs, and participants will have 2 hours to complete their poster.
22	Symbols of the Stars: Designing Space Logo	NA	Submission	9 - 12	Submission Event	1	Pakistan is set to send its first astronaut to the Tiangong Space Station in 2026 and a lunar rover in 2027. In this competition, participants will design two digital logos: one representing Pakistan's astronaut in space and other representing its lunar rover mission. Logos must be created beforehand at home, school, or college using software such as Photoshop, Illustrator, Canva, CorelDraw, or MS Paint, and submitted on the event day along with editable files.
23	Collecting Memories: WSW 2025 Snap	NA	Submission	6 - 8	Submission Event	1	Participants are required to submit 5 photographs: 3 activity picture, 2 group selfies, photographs taken as selfies. The selfies must capture their school participants engaging in WSW activities at IST.
24	Collecting Memories: WSW 2025 Snap	NA	Submission	9 - 12	Submission Event	1	Participants are required to submit 5 photographs: 3 activity picture, 2 group selfies, photographs taken as selfies. The selfies must capture their school participants engaging in WSW activities at IST.
25	Broadcasting Space: WSW 2025 Vlog	NA	Submission	6 - 8	Submission Event	Team of 2 members	Each team is required to create a Vlog/Flashback capturing the activities of WSW 2025 at IST. The Vlog/Flashback should cover as many events of WSW 2025 as possible. The maximum duration for the video is 2 minutes.
26	Broadcasting Space: WSW 2025 Vlog	NA	Submission	9 - 12	Submission Event	Team of 2 members	Each team is required to create a Vlog/Flashback capturing the activities of WSW 2025 at IST. The Vlog/Flashback should cover as many events of WSW 2025 as possible. The maximum duration for the video is 2 minutes.
F.	Space Life & Sustainability						
27	Survival in Space: Building Life Support System	English	Presentation	9 - 12	7 minutes	Team of 2 members	Each team is required to prepare and deliver a 7-minute Powerpoint presentation on innovative concepts for life support systems that could enable humans to survive in Moon. The presentation should explore solutions for essential needs such as air purification, water recycling, temperature regulation, waste management etc. Participants may use internet resources for their research.
28	Healing Beyond Gravity: Space Medicine Challenge	English	Presentation	9 - 12	7 minutes	Team of 2 members	Each team is required to prepare and deliver a 7-minute Powerpoint presentation exploring how medical care can be provided in space stations. The presentation should discuss methods for handling health issues, injuries, and emergencies in zero-G, as well as the technologies, medicines, and procedures that could support astronaut health during long-duration missions. Participants may use internet resources for their research.

29	Martian Settlement: Creating Homes	English	Presentation	9 - 12	7 minutes	Team of 2 members	Teams will prepare and present a 7 minute PowerPoint presentation on designing a sustainable human settlement on Mars. The presentation should cover essential aspects such as habitat construction, life support systems, energy generation, food production, transportation, and communication. Creativity, feasibility, and clarity of ideas will be key evaluation criteria.
30	Ethical Frontiers: Space Law & Governance	English	Presentation	9 - 12	7 minutes	Team of 2 members	Teams will prepare a 7-minute Powerpoint presentation on how laws and policies should shape humanity's future in space. The focus may include ownership of extraterrestrial resources, planetary protection, settlement rights, and peaceful use of outer space. Participants are encouraged to critique current treaties and propose creative governance models for fair and sustainable space exploration.
31	Staying Connected: Space Communication	English	Presentation	9 - 12	7 minutes	Team of 2 members	Teams will deliver a 7-minute Powerpoint presentation proposing innovative methods for maintaining reliable communication within future lunar settlements. Presentations should explore solutions to challenges such as signal delays, bandwidth limitations, system reliability, and the harsh lunar environment, while offering creative and practical approaches to ensure continuous, secure, and effective connectivity for residents living and working on the Moon.
32	Cosmic Farming: Food Production in Space	English	Presentation	9 - 12	7 minutes	Team of 2 members	Teams will prepare a 7-minute Powerpoint presentation on innovative methods for producing food on Mars. Presentations should explore techniques such as hydroponics, aeroponics, algae-based nutrition, or other sustainable farming solutions that can support astronauts' long-term survival beyond Earth.
33	Exercise & Health: Staying Fit in Space	English	Presentation	9 - 12	7 minutes	Team of 2 members	Teams will deliver a 7-minute Powerpoint presentation on innovative methods to keep astronauts physically fit and healthy during long-duration missions. Presentations should address challenges such as muscle atrophy, bone density loss, and cardiovascular deconditioning in microgravity. Teams may propose creative solutions including specialized exercise equipment, compact gym designs, resistance-based workouts or health monitoring tools to ensure astronaut well-being in space.
34	Mind & Motivation: Space Psychology	English	Presentation	9 - 12	7 minutes	Team of 2 members	Teams will deliver a 7-minute Powerpoint presentation on strategies to maintain astronauts' mental health and motivation during long-duration space missions. Presentations should address challenges such as isolation, confinement, and stress in space habitats. Teams may propose creative solutions including psychological support systems, recreational activities, or technologies that promote mental well-being and resilience in space.
35	Cosmic Cuisine: Space Restaurant	English	Presentation	9 - 12	7 minutes	Team of 2 members	Teams will deliver a 7-minute Powerpoint presentation showcasing their design for a space-themed restaurant in space station. Presentations should include the restaurant layout, menu concepts, dining experience in microgravity or extraterrestrial environments, and innovative ways to prepare and serve food. Participants are encouraged to visually demonstrate their restaurant design through presentation slides, models, or diagrams, highlighting creativity, practicality, and sustainability in space conditions.
36	Red Planet Games: Martian Sports	English	Presentation	9 - 12	7 minutes	Team of 2 members	Teams will deliver a 7-minute Powerpoint presentation showcasing their concept for a new sport designed specifically for future human colonies on Mars. Presentations should highlight the rules and objectives of the sport, how it adapts to Martian conditions such as reduced gravity and limited space, the design of equipment and playing fields, and considerations for safety, feasibility, and entertainment value. Judging will be based on originality, scientific plausibility, clarity, and creativity in merging imagination with the practical realities of life on Mars.

Notes

1	All the modules and activities of World Space Week 2025 will be conducted at Institute of Space Technology, Islamabad from October 9-10, 2025.
2	Only those teams / participants that are registered during the registration process of WSW 2025, will compete in the modules and events at IST. On the spot changes will not be considered.
3	The organizing team of NCGSA, IST reserves the rights to change the rules & regulations of the competitions (if deemed necessary to ensure the competitiveness and fairness).
4	Winner award(s) will be given for each event, subject to the quality of work of participants and decision of judges. Runner Up certificates will be given in each event.

5	All participants of WSW 2025 will get the participation certificates.
6	The Space Champion and Space Runner Up awards will be given to the school / college securing maximum awards.

Contact Us

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