

## Program Schedule – Youth Space Conference - 2025 (STAR)

Day 1: 17<sup>th</sup> February 2025 (Monday)

Start	End	Activities		Venue
09:00	10:00	Registration		ISTC - Auditorium
10:00	11:30	Inaugural Session	Welcome Address by Director CSIR-CSIO	ISTC - Auditorium
			Lightening of Lamp	
			Address by Chief Guest and Guest of Honour	
			Release of Souvenir	
			Facilitation of Guests	
			Vote of Thanks	
11:30	12:00	<b>Tea Break</b>		
		Orbit - 1	Orbit - 2	Orbit - 3
		Space Sessions	Industry Meet	Exhibition
		Venue: ISTC - Auditorium	Venue: Director Conference Room, CSIO	Venue: ISTC Campus
12:00	13:15	<b>Session 1:</b> Space Technology: Concepts and Challenges  <b>Speaker:</b> Dr. Prakasha Rao P J V K S <b>Organisation:</b> IN-SPACE, Ex-ISRO Director and Scientist	-	<b>Opening Ceremony of Exhibition</b>
13:15	13:30	Digital Quiz (Based on Session 1)	-	<b>Exhibition</b>
13:30	14:30	<b>Lunch Break</b>		
14:30	15:30	<b>Session 2:</b> Space Science and Planetary Exploration  <b>Speaker:</b> Dr. Mila Patralekha Mitra <b>Organisation:</b> Ex-NASA Scientist	<b>Session 1: Industry Meet:</b> Industry, R&D, PSU, Academia, MSME, Start-ups to Discuss about Collaborative Opportunities in the area of Space Education, Skilling and Research.  <b>Panellist:</b> Lisa Vitaris, Dynamite Obinna, Navdeep Singh, Narinder Singh Jaasal, Rajesh Muneshwar	<b>Exhibition</b>
15:30	16:30	<b>Session 3:</b> Spacecraft Systems: Design and Integration  <b>Speakers:</b> Mr. Pradeep Kumar Gupta <b>Organisation:</b> Ex-ISRO Director and Scientist		
16:30	16:45	Digital Quiz (Based on Session 2 and 3)		
16:45	18:00	<b>Pannel Discussion 1:</b> Multidisciplinary Collaboration Opportunities for Space Research  <b>Panellist:</b> Narinder Singh Jaasal, Navdeep Singh, Dr Geeta Mehra		
18:00	18:30	<b>Group Photography</b>		
18:30	19:30	<b>Cultural Evening</b>		
19:30	-	<b>Networking Dinner</b>		
<b>End of Day 1</b>				

**Day 2: 18<sup>th</sup> February 2025 (Tuesday)**

Start	End			
09:00	09:30	Registration		ISTC - Auditorium
		<b>Orbit - 1</b>	<b>Orbit - 2</b>	<b>Orbit - 3</b>
		<b>Space Sessions</b>	<b>Educator Meet</b>	<b>Exhibition</b>
		<b>Venue: ISTC - Auditorium</b>	<b>Venue: Director Conference Room, CSIO</b>	<b>Venue: ISTC Campus</b>
09:30	10:30	<b>Session 4:</b> Emerging Technologies in Space Communication <b>Speaker:</b> Mr. Pradeep Kumar Gupta <b>Organisation:</b> Ex-ISRO Director and Scientist	<b>Session 2: Educator Meet:</b> Virtual Interaction with a NASA Astronaut, Discussion on National Space Opportunities, Roundtable Conference with Educators, Exploration of International Space Opportunities, Government Grants & Schemes for Young Scientists, and Insights into Student Satellite Programs. <b>Ceremony:</b> Certificate of Participation  <b>Panellist:</b> Gregory E. Chamitoff, Ralf Heckel, Boris Otter, Klaus Rainer, Navdeep Singh, Dr. Prakasha Rao P J V K S, Narinder Singh Jaasal	<b>Exhibition</b>
10:30	11:20	<b>Session 5:</b> Space Transportation Systems: Launch Vehicles and Technologies <b>Speaker:</b> Mr. M. Narayanan Namboodiripad <b>Organisation:</b> Ex-ISRO Associate Director, VSSC		
11:20	11:30	<b>Digital Quiz:</b> Based on Session 4 and 5		
11:30	12:00	<b>Tea Break</b>		
12:00	13:00	<b>Session 6:</b> Human Space Missions <b>Speaker:</b> Mr. M. Narayanan Namboodiripad <b>Organisation:</b> Ex-ISRO Associate Director, VSSC	-	<b>Exhibition</b>
13:00	13:15	<b>Digital Quiz:</b> Based on Session 6 and 7		
13:15	14:15	<b>Lunch Break</b>		
14:15	15:15	<b>Session 7:</b> India's Space Infrastructure: Opportunities for Startups <b>Speaker:</b> Dr. Prakasha Rao P J V K S <b>Organisation:</b> IN-SPaCe, Ex-ISRO Director and Scientist	<b>Session 3: Telescope Making and Rocket Modelling Workshop</b>  <b>Session 1:</b> Rocket and telescope Theory <b>Session 2:</b> Design and Build <b>Digital Quiz:</b> Based on Session 1 and 2 <b>Ceremony:</b> Certificate of Participation  <b>Speaker:</b> Rajesh Muneshwar	<b>Exhibition</b>
15:15	15:30	<b>Digital Quiz:</b> Based on Session 6 and 7		
15:30	16:00	<b>Session 8:</b> Steering Through Space: Guidance, Navigation & Control for Space Missions <b>Speaker:</b> Mr. Aniket Bire <b>Organisation:</b> Texas A&M University		
16:00	16:30	<b>Session 9:</b> Advancing Bioastronautics for Human Space flight <b>Speaker:</b> Ms. Jasleen Kaur <b>Organisation:</b> Texas A&M University		
				<b>Exhibition</b>

16:30	17:30	<b>Session 10:</b> Lighter-than-Air systems for Venus Exploration <b>Speaker:</b> Dr. Rajkumar S. Pant <b>Organisation:</b> IIT Bombay		
17:30	17:45	<b>Digital Quiz:</b> Based on Session 8 and 9		
17:45	18:45	<b>Pannel Discussion 2:</b> Space Entrepreneurship  <b>Panellist:</b> Narinder Singh Jaasal, Navdeep Singh, Rajesh Muneshwar		
18:45	19:00	<b>Digital Quiz:</b> Based on Pannel Discussion 2		
19:00	19:30	<b>Rocket Launch / Sky Watch / Group Photograph</b>		
19:30	20:30	<b>Cultural Night</b>		
20:30	21:30	<b>Dinner</b>		
<b>End of Day 2</b>				

Start	End	Day 3: 19 <sup>th</sup> February 2025 (Wednesday)		
09:00	09:30	<b>Registration</b>		ISTC - Auditorium
		<b>Orbit - 1</b>	<b>Orbit – 2</b>	<b>Orbit –</b>
		<b>Space Sessions</b>	<b>Innovator and Start-up Meet</b>	<b>Exhibition</b>
		<b>Venue: ISTC - Auditorium</b>	<b>Venue: Director Conference Room, CSIO</b>	<b>Venue: ISTC Campus</b>
09:30	10:10	<b>Session 11:</b> Applications and Advances in remote sensing with particular emphasis. <b>Speaker:</b> Dr. Tejpal Singh <b>Organisation:</b> Principal Scientist, CSIR - CSIO	<b>Session 4: Innovator and Start-up Meet:</b> The Innovator and Start-up Meet at the Youth Space Conference empowers young space-tech innovators, fostering collaboration with industry leaders and investors to drive transformative solutions in space exploration, technology, and education.  <b>Panellist:</b> Dr. Tripta Garg, Narinder Singh Jaasal, Navdeep Singh,	<b>Exhibition</b>
10:10	10:50	<b>Session 12:</b> Guidance, Navigation, and Control for Space Missions. <b>Speaker:</b> Dr. Shashi Poddar <b>Organisation:</b> Principal Scientist, CSIR - CSIO		
10:50	11:15	<b>Tea Break</b>		
11:15	11:35	<b>Session 13:</b> Collaboration Opportunities with CSIR-CSIO and Funding Prospects (PRISM Scheme and DSIR) <b>Speaker:</b> Mr. Narinder Singh Jaasal <b>Organisation:</b> CSIR-CSIO, Head BDG		

11:35	12:10	<b>Session 14:</b> Introductory Session on Bhoonidhi <b>Speaker:</b> Speaker from NRSC, ISRO (Virtually) <b>Organisation:</b> NRSC, ISRO (ISRO's EO data hub)		
12:10	12:40	<b>Session 15:</b> International Space Opportunities for Educator and Students <b>Speaker:</b> Gregory E. Chamitoff (Virtually) <b>Organisation:</b> Texas A&M University, Former Astronaut, NASA	-	Exhibition
12:40	13:10	<b>Session 16:</b> Germany's Space Legacy & Future: 20 Years of International Space Education and Skilling <b>Speaker:</b> Mr. Ralf Heckel (Virtually) <b>Organisation:</b> ISEI, Germany		
13:10	13:30	<b>Session 17:</b> International Space Opportunities <b>Speaker:</b> Dynamite Obinna (Virtually) <b>Organisation:</b> Space Consultant, Ex - SpaceX		
13:30	14:10	<b>Session 18:</b> Special Session by World Space Council and World Space Academy <b>Speaker:</b> Mr. Navdeep Singh <b>Organisation:</b> World Space Council and World Space Academy, Founder, CEO	-	Closing Ceremony of Exhibition
14:10	14:20	<b>Digital Quiz:</b> Based on Session 14		
14:20	15:10	<b>Lunch Break</b>		
15:10	15:30	<b>Valedictory Session</b>	Welcome Address	-
			Address by Chief Guest and Guest of Honour	
			Release of Souvenir	
			Vote of Thanks	
15:30	-	<b>Group Photograph and Press Meet</b>		
<b>End of Day 3</b>				