

NSSS 2024 PS-6 STUDENT SESSION - PROGRAMME SCHEDULE

Sl.No	ID No	ORAL presentation		Name	Affiliation	Title of the Abstract
		Date	Time			
1	PS6 - P001	26-02-2024	15:00 - 15:10hrs	Mausam Kumar Singh	International School of Photonics, CUSAT	Laser Induced Breakdown Spectroscopy
2	PS6 - P002	26-02-2024	15:10 - 15:20hrs	shanidhaya shashwat	St joseph's college bengaluru	Societal Applications of Space Science and Technology
3	PS6 - P003	26-04-2024	15:20 - 15:30hrs	Namita M Kinnal	CHRIST (Deemed to be University)	Initial Design Studies for a UV Polarimeter
4	PS6 - P004	26-02-2024	16:00 - 16:10hrs	Munjiba M M	Manipal Centre for Natural Science	Evolution of Non-Flaring Active Region and its Impact on Solar Atmospheric Heating
5	PS6 - P005	26-02-2024	16:10 - 16:20hrs	Renish Micheal Raj	Amity University Mumbai	Using Bioluminescent Bacteria to Detect Oxygen in the Atmosphere of Other Planets
6	PS6 - P006	26-02-2024	16:20 - 16:30hrs	Lazi Doma Bhutia	Amity University Mumbai	Exploring the Potential of Traditional Herbal Medicines in Space medicine
7	PS6 - P007	26-02-2024	17:00 - 17:10hrs	Sowmiya N	Easwari Engineering College	Smart Free Flyers for space debris management
8	PS6 - P008	26-02-2024	17:10 - 17:20hrs	Mohana Sai Akula	Amity University Mumbai	Comprehensive Study on Human Body Functions during Analog Astronaut Missions
9	PS6 - P009	26-02-2024	17:20 - 17:30hrs	Ritika Sharma	Indian Institute of Technology Roorkee	Investigation on the impact of solar flares on the Martian atmospheric emissions in the dayside near-terminator region
10	PS6 - P010	26-02-2024	17:30 - 17:40hrs	Eshita Chatterjee	St Xavier's college	Spaceflight upon microorganisms: A journey towards space exploration
11	PS6 - P011	26-02-2024	17:40 - 17:50hrs	Arya Sudhakaran	Manipal Centre for Natural Science	Importance of IR-Optical-UV observation for constraining the inner structure of Active Galaxies
12	PS6 - P012	26-02-2024	17:50 - 18:00hrs	Kanak Brahmanand Sharma	MUMBAI UNIVERSITY	Unravelling the Survival Strategies of Microorganisms from the Rann of Kutch in Simulated Martian Environments: An Astrobiological Approach
13	PS6 - P013	26-02-2024	18:00 - 18:10hrs	Lorrain Maria thomas	CHRIST (Deemed to be University)	Study of the Instrumental Polarization of INSIST
14	PS6 - P014	26-02-2024	18:10- 18:20hrs	Mohammed Amin	Dayananda Sagar University	Asteroid Resource and Mining : Expanding Frontiers in Space Exploration
15	PS6 - P015	26-02-2024	18:20 - 18:30hrs	Rittik Ram Bhattacharjee	Tezpur University	Spectral Analysis of Far-Ultraviolet Radiation in the Star-Forming Region NGC346: Integrating FUSE Observations with Radiative Transfer Modelling

16	PS6 - P016	26-02-2024	18:30 - 18:40 hrs	Sneha Muthukumar	Shanmuganathan Engineering College	High Efficiency Space Power Systems : Fuel cells and Space Rated Lithium Fuel cells and Space Rated Lithium - Ion batteries
17	PS6 - P017	26-02-2024	18:40 - 18:50hrs	Amisha Baiju	Indian Institute of Science Education and Research Tirupati	Unveiling Enceladus: A Comprehensive Exploration with SCORPIUS Rover and HALIA Orbiter : A Mission Concep
18	PS6 - P018	26-02-2024	18:50 - 19:00hrs	Sarang S	National Institute of Science Education and Research	The use of terahertz spectroscopy in astrochemistry
19	PS6 - P019	26-02-2024	19:00 - 19:10hrs	Kinit Sai Devatha	Vellore Institute of Technology, Vellore	Neural Network Enabled Space Navigational Mapping
20	PS6 - P020	26-02-2024	19:10 - 19:20 hrs	Kushal Mondal	Burdwan Raj College	Applicability of RTK for Agriculture Sector
21	PS6 - P021	26-02-2024	19:20 - 19:30hrs	Prashanth S	Thiagarajar College of Engineering	Reduction of atmospheric drag in vleo satellites
22	PS6 - P022	27-02-2024	12:30 - 12:4hrs	Gauri Vinod Padalkar	Interdisciplinary School Of Science	Rocket Trajectory Equations
23	PS6 - P023	27-02-2024	12:40 - 12:50hrs	Anshula Das	The University of Burdwan	Applicability of Compact GNSS Modules for Disaster Monitoring
24	PS6 - P024	27-02-2024	12:50 - 13:00hrs	Pallabi Das	Amity University Mumbai	Integrating Features in Vyommitra Humanoid Robot for Addressing Psychological Challenges of Astronauts during the Gaganyaan Mission
25	PS6 - P025	27-02-2024	15:00 - 15:10hrs	Smiriti Shree CS	Easwari Engineering College	Advancing Global Security: Integrating AI-Enabled Satellite Surveillance for Enhanced Crime Monitoring and Emergency Response
26	PS6 - P026	27-02-2024	15:10 - 15:20hrs	Ritwika Maiti	St.Xaviers's college(Autonomous)	Space Exploration: Space Exploration in my Eyes
27	PS6 - P027	27-02-2024	15:20 - 15:30hrs	Shaik Ayesha	Andhra University College of Engineering Visakhapatnam	Comparative analysis of Indian lunar mission: Exploring capabilitiesand sensor advancement
28	PS6 - P028	27-02-2024	16:00 - 16:10hrs	Raju Sarkar	Siliguri Institute of Technology	Celestial Ventures: Converting Observatories into Cosmic Venturers for a Wealthy Future
29	PS6 - P029	27-02-2024	16:10 - 16:20hrs	Shruthi Gantamoina	B V Raju Institute of Technology	Satellite data observation in preception of ozone layer depletion caused by oil spills
30	PS6 - P030	27-02-2024	16:20 - 16:30hrs	Dharani Vamshika Pasumarthi	B V Raju Institute of Technology	Topographical Satellite imagery data to define potential fish catch zones
31	PS6 - P031	27-02-2024	18:30 - 18:40hrs	Gourav Mohanan	Dayanand sagar university	Advancing Human Presence: A Vision for Interplanetary Travel and Sustainable Colonization of Mars by 2047
32	PS6 - P032	27-02-2024	18:40- 18:50hrs	Meghana Kovala	Padmasri Bv raju instiute of technology	Small Pay Load Launch Using Spin Launch Technique

33	PS6 - P033	27-02-2024	18:50 - 19:00hrs	Iska Sai Charitha	B V Raju Institute of Technology	Sensors enabled High altitude ballooning: The study of near space
34	PS6 - P034	28-02-2024	12:30 - 12:40hrs	Priyanuj Kashyap	St. Joseph's College (Autonomous)	Societal Applications of Space Science and Technology
35	PS6-S001	27-02-2024	12:40 - 12:50hrs	Barani	KCG college of technology	Origami Based Self Deployable Solar Sail: Hexagonal Membrane Deployment Supported with Shape Memory Alloy Actuators
36	PS6-S002	27-02-2024	12:50 - 13:00hrs	Ansh Singh Shekhawat	SRM Institute of science and technology	Lunar Gravitational Wave Observatory
37	PS6-S003	27-02-2024	15:00 - 15:10hrs	Anant Singhal	Dayalbagh Educational Institute	Beyond Earth's Static: A Vision for Terahertz Astronomy
38	PS6-S004	27-02-2024	15:10 - 15:20 hrs	Pratyaksha Joshi	Mody University of Science and Technology	A conceptual framework for cost-effective plasma propulsion engines in long-distance space exploration
39	PS6-S005	27-02-2024	15:20 - 15:30hrs	Rahul kumar sahani	Vellore institute of technology	EDA on Asteroids and predicting unseen Asteroids using Machine Learning
40	PS6-S006	28-02-2024	16:00 - 16:10hrs	Cherukuri rani yoshitha	B V Raju Institute of Technology Medak	Enhancing Glacial Lake Outburst Flood (GLOF) Preparedness
41	PS6-S007	28-02-2024	16:10 - 16:20hrs	Vaishnavi Pandey	Pranveer Singh Institute of Technology Kanpur	Enhancing Space Asset Surveillance: A Comparative Study of Deep Neural Networks and Image Processing on Diverse Datasets
42	PS6-S008	28-02-2024	16:20 - 16:30hrs	Rohan A P	Amrita Vishwa Vidyapeetham	Use of Polarimetry in Observing and parameterizing Aerosol and Cloud Properties
43	PS6-S009	28-02-2024	18:30 - 18:40hrs	Iltimas Kabir	Vellore Institute of Technology Chennai	Interstellar Travel: Unveiling the Next Frontier
44	PS6-S010	28-02-2024	18:40 - 18:50hrs	Bhanu Prasad Ramaneni	Dr M G R Educational and Research Institute	From Earth-Bound to Interplanetary: Revolutionizing Space Access with Reusable Launch Vehicles and Orbital Platforms by 2047
45	PS6-L001	28-02-2024	18:50 - 19:00hrs	Ashis Karthika	School of Physical and Applied sciences	An analysis of the remote observation techniques of climate change-driven ocean colour over the Arabian Sea
46	PS6-L002	28-02-2024	19:00 - 19:10hrs	Aachal Vinod Gaonkar	School of Earth, Ocean and Atmospheric Sciences	Probable new sensors to measure new variable
47	PS6-L003	28-02-2024	19:10 - 19:20hrs	Krutika Shantaram Shivolkar	School of Physical and Applied sciences	Astrosat: India's reach to the Mysteries of the Universe
48	PS6-L004	28-02-2024	19:20 - 19:30hrs	Pujal Pravin Govekar	School of Physical and Applied sciences	Study of compact objects (Neutron stars/Blackholes) using Gravitational Wave
49	PS6-L005	29-02-2024	12:30 - 12:40hrs	Steven Vazhappully	Goa College of Engineering	A Study in Advancing In-House Component Simulations: Implementing Analog Component Models with Verilog-A for Enhanced Efficiency and Performance

50	PS6-L006	29-02-2024	12:40 - 12:50hrs	Omkar Gawade	Goa College of Engineering	Multi-Modal Observation, Techniques and Correlation between Data
51	PS6-L007	29-02-2024	12:50 - 13:00hrs	Vaibhavee Nagvenkar	Department of Geography, Government College of Arts, Science and Commerce	Flood zonation mapping using geospatial technology of Mhadei basin
52	PS6-L008	29-02-2024	15:00 - 15:10hrs	Ashwin Acharya	Department of Geography at Government College of Arts, Science and Commerce	Assessment And Prediction of Spatio-Temporal Changes in Land Use Land Cover Dynamics using CA-MARKOV Chain Model: A Case Study of Mhadei Basin
53	PS6-L009	29-02-2024	15:10 - 15:20 hrs	Tanay Naik Govekar	Dhempe College of Arts and Science	Preliminary Asteroid Discovery
54	PS6-L010	29-02-2024	15:20 - 15:30hrs	Indrani Korde	Masters of Geography, Government College of Arts, Science, and Commerce	Myristica Swamp Forest in Goa: A Geographical Analysis
55	PS6-L011	29-02-2024	15:30 - 15:40hrs	Mayur Rawool	Government College of Arts, Science and Commerce, Khandola	Impacts of Recent Development Projects in East Pernem, North Goa Using Geospatial Technology

INSTRUCTIONS FOR PS6 PARTICIPANTS

Make a power point presentation (ppt) of maximum 4 slides with a maximum duration of 8 min followed by 2min discussions and need to upload the presentation well before your session starts.

Participants should also be prepared to make the oral presentation in the next available session (especially the last 3-4 presentations of the day to the first session of the next day) due to the time constraints of a session

Please note that Plenary talks, Interdisciplinary lectures, Public Lectures are common for all participants of NSSS

Invited talks by senior scientists on various domains of space science and Interactive session with eminent scientists are scheduled for PS-6 participants during NSSS.