PS-5 (Enabling Technologies for Space Exploration) - List of accepted abstracts for Oral Presentation

Abstact ID	Name	Affilation	Title	Email Id
PS5-O-001	Dr Jaya Saxena	National Remote Sensing Centre, ISRO, Hyderabad	A Comprehensive Framework for a Geospatial Chatbot	jayasaxena@nrsc.gov.in
PS5-O-002	Moumita Dutta	Space Applications Centre , ISRO	A miniaturised multispectralpayload compatible to indian Nano Satellie (INS) bus	duttamoumita@sac.isro.gov.in
PS5-O-003	Mayank Kumar	VSSC/ISRO	Aerothermal Studies for future Mars EDL Configurations	mymission2013@gmail.com
PS5-O-004	Prajjwal Yash	U. R. Rao Satellite Centre, Indian Space Research Organization	Analysing the Impact of Dust Deposition on Martian Solar Arrays: Insights for Strategic Mission Planning	prajjwal@ursc.gov.in
PS5-O-005	Ankush Bhaskar	1. Space Physics Laboratory, Vikram Sarabhai Space Centre, ISRO, Trivandrum, India 2. U. R. Rao Satellite Centre, ISRO, Bengaluru, India 3. Indian Institute of Geomagnetism, Mumbai, India 4. Indian Institute Technology- Indore, Indore, India 5. Indian Institute of Science Education and Research Kolkata, Kolkata, India 6. Department of Physics, University of Mumbai, Mumbai, India 7. Indian Institute of Space Science and Technology, Trivandrum, India 8. Physical Research Laboratory, Ahmedabad, India	AuroraMag: Twin Explorer Mission to Investigate Asymmetries in Aurora and Solar Wind-Magnetosphere Coupling	ankushbhaskar@gmail.com
PS5-O-006	Hemant Dattaji Mane	Department of scientific Computing,Modelling and Simulation,Savitibai Phule Pune University, Ganeshkhind,Pune-411007	Automated Lunar Crater Detection using Deep Learning:A step towards indigenous lunar mapping	hemant.mane@scms.unipune.ac.in
PS5-O-007	Jagannatha Venkataramaiah	Former Scientist/Engineer SF, CMG, SCC, ISTRAC, ISRO, Bangalore India	Climate Resilient Water Security by AI WATCHIT for Bengaluru, India	jagsiobbindia@gmail.com
PS5-O-008	U S H RAO	SPACE APPLICATIONS CENTRE, ISRO, AHMEDABAD	Compact Detector Proximity & Temperature Control Electronics for Thermal Imaging Camera On-board Indian Nano Satellite	usrao@sac.isro.gov.in
PS5-O-009	K M V Prasad	National Atmospheric Research Laboratory	Design and Development of Phased Array Precipitation Radar for future satellite missions	prasad@narl.gov.in
PS5-O-010	Ankit Sharma	1,3 Space Applications Centre (ISRO), Ahmedabad 2 School of Mechanical Engineering, VIT Bhopal	Design and Development of Under actuated Soft Robotic Gripper for Space Applications	ankit.nifft@gmail.com
PS5-O-011	Sukamal Kumar Paul	Space Applications Centre, ISRO	Design and Realization of Hybrid Optics for Future Space Missions	sukamalpaul2000@gmail.com
PS5-O-012	sathiyavel.C	Vivekanandha College of Technology for Women,Tiruchengode.	Design of 3D Printing Satellite with Self-Speed Changing System for Future Space Mission	sathiyavelavi@gmail.com
PS5-O-013	Sreya Ghosh	Indian Institute of Technology Indore	Design of a Novel UWB miniaturized discone antenna for inter-satellite communication	mt2302121008@iiti.ac.in
PS5-O-014	Ankit Kumar Singh	Structures Group, U. R. Rao Satellite Centre (URSC), ISRO	Design of body mounted solar panel substrate and its support scheme for Chandrayaan-3 Lander Craft (Vikram).	ankks.iit@gmail.com
PS5-O-015	Neha K M	MVJ College of Engineering	DESIGN OF ROBOTIC ARM FOR ACTIVE SPACE DEBRIS TRACKING AND COLLECTION	nehakmath24@gmail.com
PS5-O-016	C. Vineeth	Space Physics Laboratory, Vikram Sarabhai Space Centre (ISRO), Thiruvananthapuram [2]Sensor Development Area, Space Applications Centre (ISRO), Ahmedabad	Design of Ultraspectral Airglow Spectrometer for the Observation of Terrestrial Airglow Emissions	cnvins@gmail.com
PS5-O-017	Hriday Patel	SAC,ISRO	Design,development and demonstration of Active optics correction chain(AOCC) for large aperture telescope	hriday.patel@sac.isro.gov.in
PS5-O-018	Ajeeshkumar P S	Space Physics Laboratory, Vikram Sarabhai Space Centre, Trivandrum	Development of an Air sampling System for High Altitude Aerosol Measurements	ajeeshsreedharan@gmail.com
PS5-O-019	Abhijit Chatterjee	1,3,4: Sensors Development Area, Space Applications Centre. 2: Mishran Semiconductor	Development of Low Cost 3×5 Pixels Colloidal Quantum Dot SWIR Detector to Enable Indigenization of Infrared Focal Plane Array for Future Space Missions	abhijitisro@gmail.com

PS5-O-020	Siri Paramesh	Department of ECE, Chaitanya Bharathi Institute of Technology, AfiliatedtoOsmania University	Doppler Collision Prediction using ML Techniques for NavICSystem	siriparamesh8@gmail.com
PS5-O-021	C Siva Prasad	Cambridge Institute of Technology, U R Rao Satellite Centre, Bengaluru	Edge Computing in Space: Effect of Quantization on Speed and Accuracy of Convolution Neural Network	akashv2342@gmail.com
PS5-O-022	ANKUR JAIN	Space Applications Centre, ISRO	Effect of Direct Sun Exposure on Uncooled Microbolometer based Thermal Imaging Camera for Spaceborne System	ankurjain@sac.isro.gov.in
PS5-O-023	Jayadev Pradeep	Space Physics Laboratory, Vikram Sarabhai Space Centre, ISRO, Thiruvananthapuram-695022, Kerala	Effect of spacecraft orbital parameters on the spatiotemporal distribution of Solar Occultation measurements in the Venusian Atmosphere	jayadevpradeep07@gmail.com
PS5-O-024	Urvashi Mesariya	Department of Computer Science and Engineering, NIRMA University, Ahmadabad, India; Space application centre, ISRO, Ahmadabad, India	Enhancing Hyperspectral Image Clarity For Lunar Surface Mineralogy Through a Multi-Attention Equipped Self-Regulating Convolutional Neural Network	shivani.desai@nirmauni.ac.in
PS5-O-025	Hariharan V K	ISRO	EVOLUTION OF SPACECRAFT ASSEMBLY INTEGRATION & TESTING TECHNOLOGIES – ARYABHATA TO GAGANYAAN	vkhariharanisro@gmail.com
PS5-O-026	sathiyavel.C	Vivekanandha college of Technology for women,Tiruchengode.	Experimental Study of a 3D Printing Satellite with Self-Deorbiting Capability Using Neodymium Magnets	sathiyavelavi@gmail.com
PS5-O-027	HARI PRABHAT GUPTA	IIT (BHU) Varanasi	Exploring Quantum Computing Across Diverse Platforms: Challenges and Solutions	hariprabhat.cse@iitbhu.ac.in
PS5-O-028	Murthy Dharmapura	1. Department of Chemistry, Manipal Institute of Technology, Manipal, Manipal Academy of Higher Education, Manipal, Karnataka, India-576104. E-mail: murthy.dharmapura@manipal.edu 2. Space Astronomy Group, U R Rao Satellite Centre, ISRO, Bengaluru, India-560 037 E-mail: kcshyama@ursc.gov.in 3. Manipal Center for Natural Sciences (MCNS), Manipal Academy of Higher Education, Manipal, Karnataka, India-576104. E-mail: sreekumar.p@manipal.edu	Extracting oxygen from lunar soil: an experiment for In-Situ Resource Utilisation (ISRU)	murthy.dharmapura@manipal.edu
PS5-O-029	Dr Stuti Mishra	Indian Air Force	Food and Water Technologies in Human Space Mission: Aeromedical Considerations	stutishobhit@gmail.com
PS5-O-030	Srinivasa Prakash Regalla	Birla Institute of Technology and Science Pilani, Hyderabad Campus	Fracture Resistant and Higher Specific Strength Parts with Lattice	regalla@hyderabad.bits-pilani.ac.in
PS5-O-031	Gaurav Upadhyay	U R Rao Satellite Centre, Bengaluru, Indian Institute of Technology Delhi, India, RV college of Engineering, Bengaluru, India	From Bent pipe to Smart Eye: incorporating onboard intelligence in Remote Sensing Satellites	gaurav8588@gmail.com
PS5-O-032	Sneha Muthukumar	Dr.Palaniappan Senior Scientist CSIR CECRI	High Efficiency Space Power Systems Fuel Cells and Space Rated Lithium Fuel Cells	sneha.space@zohomail.com
PS5-O-033	G Sai Santhosh Sivan	Department of Mechanical Engineering, Indian Institute of Science	Impact of microgravity on bioconsolidation of regolith simulants	saisivan@iisc.ac.in
PS5-O-034	Panta Sasikanth	JNTU Anantapur	Integrated Environmental Life Support System(ELSS) For Manned Missions To Mars	redaistarship@gmail.com
PS5-O-035	CHINMAY KUMAR PATRA	1&4Space Applications Centre, Satellite Road, Jodhpur Tekra, Ahmedabad, Gujarat-380015 2ISRO Telemetry Tracking and Command Network, Nalagadderanahalli, Peenya, Bengaluru, Karnataka-560058 3National Remote Sensing Centre, Annaram Village, Shadnagar, Telangana 509216	Leveraging Antarctica's Unique Environment to Enhance India's Human Space Program	chinmay@sac.isro.gov.in
PS5-O-036	oup Capt (Dr) Punyashlok Bisv	Institute of Aerospace Medicine, Indian Air Force	Living in Space: Aeromedical Aspects of Long-term Spaceflights	drpunyashlok@gmail.com
PS5-O-037	Sanidhya Vijaywat	ISRO Telemetry, Tracking and Command Network	Long-term orbital evolution of objects in inclined Geo-synchronous orbits	vijaywatsanidhya@gmail.com

PS5-O-038	Dr. Prasanta Mula	U R RAO SATELLITE CENTRE,ISRO, BANGALORE	Low Cost Attitude Determination system for LEO satellite	prasanta@ursc.gov.in
PS5-O-039	Ghatul Shubham Jankiram	Indian Institute of Astrophysics	MaceBerryCam: A low cost wide field of view star camera for MACE telescope.	shubham.jankiram@iiap.res.in
PS5-O-040	Sandesh S Puranik	Blue-Kei Solutions Private Limited	MBSE Adoption in Development of Complex Space Systems	sandeshpuranik@blue-kei.com
PS5-O-041	Pradeep Soni	SCPD/Space Applications Centre/ISRO	Miniaturized Imaging Systems For Chandrayaan-3 Lander	ps1506@gmail.com
PS5-O-042	Gourav Mohanan	Dayananda Sagar University (DSU)& Vellore Institute Of Technology(VIT)	Mitigating the Threat of Space Debris: A Novel Approach for Sustainable Space Exploration	gouravmohanan12@gmail.com
PS5-O-043	Anshu Kumari	1NASA Goddard Space Flight Center, 8800 Greenbelt Rd, MD 20771, USA 2Planetary Science Institute, Tucson, AZ 85719, USA	Multi spacecraft-based radio instrumentation for faraday rotation measurements	anshusingh628@gmail.com
PS5-O-044	Prem A	Dayananda Sagar University, Bangalore, Karnataka	Nano-Magnetic Particles: A Controlled Approach to Mitigating Space Debris Impact through Attraction and Aggregation	prempaulanthonyraj@gmail.com
PS5-O-045	Mritunjay Baruah	Department of Mechanical Engineering, Indian Institute of Science, Bangalore-560012, India	Nature-inspired Architecture for an Extra-terrestrial Habitat	baruahmritunjay@gmail.com
PS5-O-046	Jayesh Jayarajan	Space Applications Centre, ISRO	Optical Technology for Sensing Oxygen in Human Spaceflights	jayeshj@sac.isro.gov.in
PS5-O-047	Dr. Satarupa Chakrabarti	Department of Physics, Indian Institute of Technology Roorkee, Roorkee – 247667, Uttarakhand, India; Department of Management Studies, Indian Institute of Technology Roorkee, Roorkee – 247667, Uttarakhand, India	Optimizing a Deep Learning Framework for Accurate Detection of the Earth's Ionospheric Plasma Structures from All-sky Airglow Images	chakrabartisatarupa@gmail.com
PS5-O-048	Priyanka HD	Dayananda Sagar University, Bangalore, Karnataka	Optimizing Spacecraft Radiation Shielding: A Multifaceted Approach with Advanced Composite Materials	pridiva77@gmail.com
PS5-O-049	Vishnukumar D Patel	SPACE APPLICATIONS CENTRE, ISRO, AHMEDABAD	Performance of Ocean Colour Monitor – 3 Payload for EOS-06 mission	patelvd@sac.isro.gov.in
PS5-O-050	Ravi Kumar	ISTRAC	Quantifying Global Impact: Analysing Statistical Data of LEO Satellite Collision Rates and Proposing Eco-Friendly Solutions for a Sustainable Space Environment	ravi.kumar@istrac.gov.in
PS5-O-051	DEEP, S HARIPRIYA, S HAR	Dr. G Prasad, Manju Sarma	Quantum Encryption for Airborne and Space-borne Quantum Communication	pradeepcps4@gmail.com, haripriya_s@nrsc.gov.in,harkirat_makkar@nrsc.gov.in
PS5-O-052	Kumar Sheshank Shekhar	Dept. of Astronomy, Astrophysics, and Space Engineering, Indian Institute of Technology Indore	Real-Time Crater Detection and Area Calculation Using YOLO Segmentation and SAM Model on NVIDIA AI-Edge Devices	ms2204121002@iiti.ac.in
PS5-O-053	Shivtej Ghosalkar	Space Applications Centre, Indian Space Research Organization (ISRO)	Satellite Health Detection using Machine Learning	shivtejghosalkar@gmail.com
PS5-O-054	Dr.Uma B.R.	U.R.Rao satellite centre	Significant factors which affect the solar panels in interplanetary space explorations	umabr21@gmail.com
PS5-O-055	Moordhan Songade	1) Malaviya National Institute of Technology, Jaipur, Rajasthan, India 2) Space Applications Centre, ISRO, Ahmedabad, India	Single Band NIR-to-RGB Image Colorization Using Deep Learning	songademoordhan@gmail.com
PS5-O-056	Neha Jain	U R Rao Satellite centre, Bangalore	Solar Panel configuration for Various ISRO missions	nehajain@ursc.gov.in
PS5-O-057	Saju S	Vikram Sarabhai Space Centre	Sounding Rockets as a test bed for emerging technologies for Space Exploration and system engineering challenges	saju212@gmail.com
PS5-O-058	Rajendra Singh	ISRO	Space Energy Saving using Multi output Electronic Power Conditioner for Microwave Radar Sensors	rsijwali@sac.isro.gov.in
PS5-O-059	Akashgupta	ISRO	Spacecraft FIRE DETECTION AND SUPRESSION SYSTEM BASED ON MICROGARVITY FINDINGS	GUPTAAKASH@SAC.ISRO.GOV.IN
PS5-O-060	K G Sreejalekshmi	Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram	Table-top RPM for optimizing space biology experiments: Design, fabrication and validation through seed germination experiments	sreeja@iist.ac.in
PS5-O-061	Pranav George	School of Pure and Applied Physics, Mahatma Gandhi University	Temperature Sensor Based on Whispering Gallery Mode Microring Resonator for Space Applications	pranavgeorge.007@mgu.ac.in

PS5-O-062	Dr. Shashi Kumar	Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun-248001, India	Tomography for Forest Height Retrieval using Spaceborne PolSAR Data	sksinghiirs@gmail.com
PS5-O-063	Deepak Negi	VSSC, ISRO	Trajectory Design to asteroid Apophis	archanabisht200@gmail.com
PS5-O-064	Dr. Somashekar V	JAIN (DEEMED-TO-BE UNIVERSITY)	Transformative Frontiers: A Comprehensive Review of Artificial Intelligence and Machine Learning Applications in Space Science and Technology	shekar.mtech.ph.d@gmail.com
PS5-O-065	Dibyakanti Mahapatra	Bharat Electronics Ltd.	Under sampling based Frequency Estimation using Chinese Remainder Theorem and Distance Minimization	dibyakanti_mahapatra@bel.co.in
PS5-O-066	Rahul G Waghmare	U R Rao Satellite Centre, Indian Space Research Organization, Vimanpura, Bengaluru India	Versatile Data Transmitter using Software Defined Radio Concepts for Space Applications	rahulgw@ursc.gov.in
PS5-O-067	Vara Prasad Kella	Liquid Propulsion Systems Centre	Xenon cryo pumping system for Electric Propulsion Thruster Large	varapk51@gmail.com

PS-5 (Enabling Technologies for Space Exploration) - List of accepted abstracts for Poster Presentation

Abstact ID	Name	Affilation	Title	Email Id
PS5-P-001	Ambati Janardhana Reddy	Scientist, Division Head, Group Director	40W Triple Output 500kHz DC-DC converter HMC for 100V bus	jana@ursc.gov.in
PS5-P-002	Christopher Parmar	Scientist/Engineer- SE, Space Applications Centre, ISRO, Ahmedabad	A Review on High Voltage Subsystems for Satellite Applications: Design Criticalities	parmarchristopher026@gmail.com ; christopher@sac.isro.gov.in
PS5-P-003	ya Kumar Sahu or Satya Priya	Systems Reliability Area, Space Applications Center (ISRO), Ahmedabad, India	A case study on Reliability Predication of a payload Electronics using FIDES Guide over MIL-HDBK-217	aksahu@sac.isro.gov.in, or spmittal@sac.isro.gov.in
PS5-P-004	Moumita Dutta	Space Applications Centre, ISRO	A comparative study in performance parameters of two convex sigle blazed metal diffraction gratings fabricated indigenoiusly	duttamoumita@sac.isro.gov.in
PS5-P-005	Abhinav Krishnan	FuturifAI Pty. Ltd, Digantara Research and Technologies Pvt. Ltd & Turkish Aerospace Industries	A comparative survey of performance, stability, and environmental adaptability of orbit propagators	abhinavukrish93@gmail.com
PS5-P-006	PERUMALLA NAVEEN KUM	Advanced GNSS Research Laboratory, Department of Electronics and Communication Engineering, University College of Engineering, Osmania University, Hyderabad and Survey of India, Hyderabad, 500039, Telangana,	A Comprehensive analysis of Android Smartphones' GNSS Positioning and Signal Strength in Indoor and Outdoor Environments	drnaveenkumarp9@osmania.ac.in
PS5-P-007	Dr.P.Naveen Kumar	Chaitanya Bharathi Institute of Technology, Hyderabad, India. 2. University College of Engineering, Osmania University, Hyderabad, India. 3. Surveying of India, Hyderabad.	A Comprehensive Approach to Integrity Monitoring through Broadcast Ephemeris of NavIC	drnaveenkumarp9@osmania.ac.in
PS5-P-008	Mayur Vijay Pawar	MIT Art, Design and Technology University, FuturifAI Pty. Ltd.	A Comprehensive Review of Attitude Determination and Control Systems	pawar19mayur@gmail.com
PS5-P-009	Dr Rajeev Chaturvedi	DR	A Finite Element Based Approach to Design Bus Bars for High Power Spacecraft	RAJEEVC@URSC.GOV.IN
PS5-P-010	GARIMA SINGH	URSC, ISRO, BANGALORE	A miniaturized Low Voltage High Current (5V, 8A) Hybrid dc-dc converter operating at 500kHz switching frequency for Space applications	garima.isro@gmail.com
PS5-P-011	Arpit Patel	Physical research laboratory	A new approach in pulse amplitude measurement technique for radiation or particle detectors	arpitp@prl.res.in
PS5-P-012	Dr Vijay Kumar Verma	ISRO	A Novel Exposure Time Control System Using Stepper Motor for CCD Camera used in Aditya L1 Mission's SUIT Payload	drverma.isro@gmail.com
PS5-P-013	Chandan Kumar	Physical Research Laboratory	A Novel Technique for Low-Frequency Signal Generation: Application to Dielectric Spectroscopy for Future Planetary Missions	chandankr@prl.res.in
PS5-P-014	N.Sangeetha	National Atmospheric Research Lab, Department of Space, Government of India	A proposal for development of a space borne LIDAR payload for profiling the atmospheric aerosol and clouds	nsangeetha73@gmail.com

PS5-P-015	Sreevaishnava	Physical Research Laboratory	A pulse pile-up model for X-ray detectors: Application in the analysis of Chandrayaan-2 XSM observations	sreevaishnava1997@gmail.com
PS5-P-016	Subramanian Arumugam	Digantara Research and Technologies Pvt. Ltd	A Sensitivity Analysis of Conjunction Assessments Using Diverse Data Types	subramanian.arumugam@digantara.co.in
PS5-P-017	Jitendra Kumar	Space applications centre, ISRO, Jodhpur Tekra, Ahmedabad, Gujarat, India	A Single Pixel Camera System: Modelling to Experimental Imaging and its applications for space borne missions	kvjitendra@yahoo.co.in
PS5-P-018	GARIMA SINGH	ISRO	Abstract_low voltage high current_5v_8A_500kHz_hybrid dc-dc converter.docx	garima.isro@gmail.com
PS5-P-019	Pradeep Soni	SCPD/SEG/SEDA, Space Applications Centre	Advanced and Configurable Multi-Band Concurrent Real-time Data Processing Electronics for OCM-3	pradeeps@sac.isro.gov.in
PS5-P-020	Ajay Khandare	SAMEER	Advanced Digital Ionosonde System (ADIS) Developed by	ajay@sameer.gov.in
PS5-P-021	Janarthanan Manickavasagam	CS Academy	Advancements in High-Precision Polarimetry	janarthanan.m@csacademy.in
PS5-P-022	Gourav Mohanan	Dayananda Sagar University(DSU), Vellore Institute Technology(VIT)	Advancements in Quantum Communication for Secure Space-Based Data Transmission	gouravmohanan12@gmail.com
PS5-P-023	uadron Leader (Dr) Gaurab Gho	Institute of Aerospace Medicine, Indian Air Force	Aeromedical Support to Short-duration Human Spaceflight	debinibash@gmail.com
PS5-P-024			An Efficient Anti-Spoofing Algorithm to Detect and Mitigate GNSS/GPS	
PS5-P-025	usha devi R	Scientist/Engr - 'SF' , GDPD, SDPAA, ADRIN, DOS, ISRO, Secunderabad-9	Analysis of Geometric Processing Algorithms for On-Board implementation	ushadeviregadi@gmail.com, usha@adrin.res.in
PS5-P-026	Ritu Anilkumar	North Eastern Sapce applications Centre and Physical Research Laboratory	Augmenting landslide inventories using machine learning	ritu.anilkumar@nesac.gov.in
PS5-P-027	Pooja Dutt	Applied Mathematics Division, Vikram Sarabhai Space Centre (VSSC), Thiruvananthapuram	Automated Re-entry Prediction of Uncontrolled Space Objects	pooja.dutt2004@gmail.com
PS5-P-028	Hemant Kumar Lalwani	Space Applications Centre, ISRO, Ahmedabad	Automatic Lunar Control Points Identification for Chandrayaan-2 Optical Payloads	hemant.lalwani@sac.isro.gov.in
PS5-P-029	Ravikumar Hosamani	1University of Agricultural Sciences, Dharwad (UASD), Karnataka, 580005, India	Can Lunar Regolith Support Crop Plant Growth	hosamanirr@uasd.in
PS5-P-030	Utkarsh Saxena	Human Space Flight Center (HSFC), ISRO	Case Study of AI and ML Applications in Human Space Programme	utkarsh-hsfc@isro.gov.in, yourutkarsh98@gmail.com
PS5-P-031	Satyendra Kumar Singh	Flight Dynamics Group, U R Rao Satellite Centre, ISRO, Bengaluru- 560017, India	Chandrayaan-3 Propulsion Module Return to Earth Orbit: An experiment	sksingh@ursc.gov.in
PS5-P-032	ANEESH A N	1. Space Physics Laboratory (SPL), Vikram Sarabhai Space Centre, Thiruvananthapuram 2. QDAC, Vikram Sarabhai Space Centre, Thiruvananthapuram, 3. Senior Researcher, Space-D, DEWA, Dubai	Characterisation and Qualification of Channel Electron Multiplier detectors for space application	an.aneesh@gmail.com
PS5-P-033	Dr Anindya Bose	Department of Physics, The University of Burdwan, Golapbag, Burdwan 713104; Meteorological Training Institute, Indian Meteorological Department, Pune 411008; Department of Applied Science, RCC Institute of Information Tech., Kolkata 700015	Compact, Low-cost GNSS Hardware: Potentials in Positioning, Ionospheric Probing and Time Transfer Applications	abose@phys.buruniv.ac.in
PS5-P-034	Perumalla Naveen Kumar	Osmania University, Hyderabad	Comparative Analysis of S4 index for L5 and S Band Signals for Indian NavIC Constellation	drnaveenkumarp9@osmania.ac.in
PS5-P-035	Parth Tiwari	Structures Group, U. R. Rao Satellite Centre (URSC) Bengaluru, ISRO	Concept Design of a Futuristic Lunar Lander Carrying a Heavy Rover; with Propellant Tanks Assembly as the Primary Load-Bearing Structure	partht@ursc.gov.in
PS5-P-036	Ivanshu Mehta	ISRO-ISTRAC	Conjunction Assessment for Chandrayaan-3 Mission	ivanshu.mehta@istrac.gov.in

PS5-P-037	Sahal Mohammed M. N.	1ISRO Telemetry Tracking and Command Network, Nalagadderanahalli, Peenya, Bengaluru, Karnataka-560058 2Space Applications Centre, Satellite Road, Jodhpur Tekra, Ahmedabad, Gujarat-380015 3,4&5National Remote Sensing Centre, Annaram Village, Shadnagar, Telangana 509216	Connecting Continents from the Ice: The Vital Role of AGEOS-NRSC in the Indian Remote Sensing Satellite Program	sahal@istrac.gov.in
PS5-P-038	Apameya M Haritsa	Department of Physics and Electronics, School of Sciences, JAIN (Deemed-to-be University), Bengaluru, Karnataka India	CROP HEALTH MANAGEMENT IN MILLETS USING SATELLITE IMAGERY AND NEURAL NETWORKS.	aprameya.m.harithasa@gmail.com
PS5-P-039	Piyush Kumar Gaurav	ISRO, ISRO, IIT Kanpur, IIT Kanpur	Data association filter for Onboard Tracking of Space Objects for Rendezvous	piyush.kumar.gaurav@gmail.com
PS5-P-040	Ashutosh Gupta	Indian Space Research Organisation (ISRO), Space Applications Centre (SAC), Ahmedabad	Deformable-Attention based Network for Effective Restoration of Satellite Images via Surrogate Paired Datasets	ashutoshg@sac.isro.gov.in
PS5-P-041	Sahil Patel	Space Applications Centre (SAC) - ISRO, Ahmedabad	Design & Development of Metal Mirror of Optical payload for Space Applications	spatel@sac.isro.gov.in
PS5-P-042	Mohammad Waris	Space Applications Centre, Indian Space Research Organisation	Design & Development of On-Board Electronics for Black Body Calibration Mechanism for IR payloads	waris@sac.isro.gov.in
PS5-P-043	Dr. Sunilkumar S. V.	Space Physics Laboratory, Vikram Sarabhai Space Centre, ISRO, Thiruvananthapuram-695022, Kerala	Design and Development of an Optical Payload for Solar Occultation Experiments (SOE) in future Earth and Planetary Missions	sunilspl@yahoo.co.in
PS5-P-044	SHOKEEN	SPACE APPLICATIONS CENTRE, INDIAN SPACE RESEARCH ORGANISATION	Design and Development of Bi-CMOS Low Noise Amplifier at S-Band	shokeen@sac.isro.gov.in
PS5-P-045	ar Michel N, Skandha Deva Atl	MVJ College of Engineering	design and development of helio gyro solar sail for sustainable space exploration	oscarmicheal.2002@gmail.com
PS5-P-046	hlok Agarwal, Sami Ur Rehma	1: Delhi Technological University, 2: Space Application Centre, ISRO Ahmedabad	Design and Development of IDCA Dewar and Components: Structural, Thermal analysis and fabrication	shlokagarwal_ae20a15_65@dtu.ac.in, samisrehman@sac.isro.gov.in
PS5-P-047	Shweta Kirkire	SPACE APPLICATIONS CENTRE, ISRO	Design and development of miniaturized Camera Head for Chandrayaan-3 Lander Cameras	shwetak@sac.isro.gov.in
PS5-P-048	Mr. Piyush Sharma	Physical Research Laboratory	Design and development of Neutral and Ion Mass Spectrometer (NIMS) for future planetary space missions	piyush@prl.res.in
PS5-P-049	Manish Kumar Dwivedi	SAC, ISRO, Ahmedabad	Design and Development of On-Board Precision Processing Electronics for Total Ionization Dose (TID) Measurement in LEO/GEO Payloads	mkdwivedi@sac.isro.gov.in
PS5-P-050	Dimple Garg	Space Applications Centre, ISRO	Design and Hardware Realization of On-Board High Speed, Low Noise IR Camera Electronics for Electro Optical Remote Sensing Systems	Dimple@sac.isro.gov.in
PS5-P-051	Kiral Ghodadra	Space Applications Centre, ISRO, Ahmedabad	Design and Implementation of Dual Band SAR Joint Imaging Operation in S-Band SAR Payload Controller of NISAR	ghodadrakiral@gmail.com
PS5-P-052	Prajwalika K.S	MVJ College of Engineering, Bengaluru.	DESIGN AND OPTIMIZATION OF AN INTEGRATED SUPPORT STRUCTURE FOR MOUNTING MULTIPLE SENSORS IN A SATELLITE	ksprajwalika@gmail.com
PS5-P-053	SRIMANTA MITRA	Space Applications Centre, ISRO	Design and simulation of the optical layer of an electro optical printed circuit board for high speed data transfer applications	srimanta.44@gmail.com
PS5-P-054	Mr.C.Sathiyavel	Vivekanandha College of Technology for women,Tiruchengode.	Design of 3D Printing Satellite to Hoard the Space Debris by using Impediment of Water	sathiyavelavi@gmail.com
PS5-P-055	DHARUN M	Mvj college of engineering,vtu	DESIGN OF ORBITAL PAYLOAD TRANSFER VEHICILE	dharunmkh@gmail.com
PS5-P-056	Ajay Kumar Singh	Scientist, Space Applications Centre, ISRO	Design of Transmit Receive Controller of NISAR for earth observation	ajaysingh@sac.isro.gov.in
PS5-P-057	Mr.C.Sathiyavel	Vivekanandha College of Technology for Women,Tiruchengode.	Design of Uneven Step Angle Technique Based Asteroid Mitigation for Future Planetary Mission	sathiyavelavi@gmail.com

PS5-P-058	G Mokshanand	MLR Institute of Technology	DESIGN, ANALYSIS AND FABRICATION OF A CUBESAT WITH SPECIAL EMPHASIS ON PROPULSION SYSTEM & DEBRIS ANALYSIS	mokshagopineedi@gmail.com
PS5-P-059	Sonam Jitarwal	Scientist/Engineer 'SD'	DESIGN, DEVELOPMENT AND TESTING RESULTS OF LIGHTNING INSTRUMENT FOR FUTURE VENUS ORBITER MISSION	jitarwalsonam@gmail.com
PS5-P-060	Dr P Kamaraj	National Atmospheric Research Laboratory	Detection and characterization of space debris using AI techniques with Advanced Indian MST Radar	kamaja@narl.gov.in
PS5-P-061	Mnajesh N Sumukh	MVJ College of Engineering	Developement of Resistojet for Nano satellites	manjeshnms@gmail.com
PS5-P-062	Diptangshu Sekhar Raj	Satish Dhawan Space Centre	Development of a Rotating Electric Field Mill for Atmospheric Electricity Profile Measurement	diptangshusekharraj@gmail.com
PS5-P-063	HARSH TRIVEDI	SAPCE APPLICATIONS CENTRE, INDIAN SPACE RESEARCH ORGANISATION	DEVELOPMENT OF AUDIO COMMUNICATION SYSTEM FOR MANNED SPACE MISSIONS	hctrivedi3@sac.isro.gov.in
PS5-P-064	Pramod PP	VSSC/ISRO	Development of Control and Data-acquisition Electronics for Atomic Oxygen Sensor for Terrestrial Atmosphere	pramod.pp@gmail.com
PS5-P-065	Rameshchandra G Paria	Space Applications Centre ISRO Ahmedabad	Development of HMC based Space qualified DC-DC power supplies for VELC Payload of Aditya-L1 Mission	rgparia@sac.isro.gov.in
PS5-P-066	Vivek Dholpuria	Space Applications Centre (ISRO) - Ahmedabad	Development of Space borne Payload Power Supplies for MICROSAT-2A	vivekdhol@sac.isro.gov.in
PS5-P-067	Mohit Saraswat	Space Applications Centre, Ahmedabad	Developmental results of Short-wave infra-red spectrometer for Earth observation from Geo-stationary platform	mohit8186@sac.isro.gov.in
PS5-P-068	Dr. Shashi Kumar	Indian Institute of Remote Sensing (IIRS), ISRO	DFSAR data-based Integral Equation Modeling for Dielectric Characterization of Lunar Taurus-Littrow Valley	sksinghiirs@gmail.com
PS5-P-069	Sushil Kumar	Physical Research Laboratory, Ahmedabad	Digital Pulse Processing approach for Si PIN Readout in Venus Radiation environment monitor (VeRad)	sushil@prl.res.in
PS5-P-070	Hariharan V K	ISRO	ECOSYSTEM AND INCUBATION CENTRE FOR SPACE START-UPS	vkhariharanisro@gmail.com
PS5-P-071	Dr. Touseef Ahmad	Space Applications Centre, Ahmedabad, Indian Space Research Organization, Gujarat-380015,	Endmember Bundle-based Spectral Unmixing for Lunar Surface Mineral Mapping using Chandrayaan-2 IIRS Hyperspectral Imagery	touseef.iisc@gmail.com
PS5-P-072	Abhay Pratap Shukla	National Institute of Technology Hamirpur, Himanchal Pradesh, India	Enhanced Polarimetric SAR Image Edge Detection: Integrating SIRV Paradigm with Crater-Shaped Filter	22mec115@nith.ac.in
PS5-P-073	Md Aminur Hossain	Space Applications Centre, ISRO, Ahmedabad-380015	Enhancement of Lunar Digital Terrain Model from High Resolution Images using Deep Learning	aminur@sac.isro.gov.in
PS5-P-074	Mukesh Patel	Space Applications Centre (ISRO), AHMEDABAD	Evaluation Methodology of High Density Interconnect (HDI) PCBs for Space Use	mukeshpatelec@gmail.com
PS5-P-075	Chintamani Pai	1 Dept. of Aeronautical Engineering, Kumaraguru College of Technology, Coimbatore - 641049. 2 Space Geeks, Sandhurst Bridge, Chowpatty, Mumbai - 400007. 3 Space Physics Laboratory, ISRO/Vikram Sarabhai Space Centre, Thiruvananthapuram, Kerala - 695022.	Experimental Studies Using COTS Magnetic Sensor for Measuring Magnetic Fields in Geospace Environment	chintamani.pai.aero@kct.ac.in
PS5-P-076	Vivek Kumar Gupta	Space Applications Centre (SAC), ISRO Ahmedabad	Exposure Control Implementation in Frame transfer CCD for Oceansat-3	vivekgupta@sac.isro.gov.in
PS5-P-077	Prem A	Dayananda Sagar University, Bangalore, Karnataka	Fart space dust (FSD): A Low-Cost, Innovative Approach to Mitigating Small Debris in Low Earth Orbit	prempaulanthonyraj@gmail.com
PS5-P-078	Ganesh Mulay	Space Applications Centre, ISRO, Ahmedabad	Fault Tolerant Operations and Automated Gain-Offset Control for Millimetre-wave Humidity Sounder Payload of ISRO	ganeshamulay@gmail.com
PS5-P-079	Pinaki Ranjan Sarkar	Satish Dhawan Space Centre	Feature optimized ensemble Deep Learning for Solar Flare forecasting across varied intensity classes	sarkar.sdsc@gmail.com

PS5-P-080	Naveen Kumar Perumalla	Advanced GNSS Laboratory, Department of ECE, University College of Engineering, Osmania University, Hyderabad, Telangana-500007, Survey of India, Hyderabad	GNSS Interoperability: Time Offset between Navigation Systems	drnaveenkumarp9@osmania.ac.in
PS5-P-081	Damanpreet Kaur	Department of Physics, Indian Institute of Technology Ropar, Rupnagar, Punjab – 140001, India	Growth of room temperature polycrystalline Gallium Oxide thin film	2018phz0010@iitrpr.ac.in
PS5-P-082	Divikshi Saran	ISRO	High Efficiency Phase Shifted Full Bridge DC-DC Converter with Zero Voltage Switching for Medium to High Power applications	divikshisaran@gmail.com
PS5-P-083	Pradeep Soni	SEG/SEDA, Space Applications Centre	High Performance and High SNR Payload Electronics For Ocean Imaging	pradeeps@sac.isro.gov.in
PS5-P-084	PRIYANKA DAS	U. R. Satellite Centre,Bangalore	Implementation of JESD204B protocol based Multi Gigabit Digital Modulator for Data Transmission System of Satellite	priyanka.isro@gmail.com
PS5-P-085	sameer thakur	Space Applications Centre, ISRO	Implementation of Spacecraft data bus communication protocol in FPGA	sameerthakur15@sac.isro.gov.in
PS5-P-086	MANOJ KUMAR	Space Applications Centre, ISRO	Indigenous Design and Development of Lens Assemblies with Optical Match Performance for Space-borne Observations	manojkumar@sac.isro.gov.in
PS5-P-087	Parul Singh	Space Applications Centre (ISRO), Ahmedabad	Indigenous Development of area array CCD for HySIS VNIR channel	parulietk1@gmail.com
PS5-P-088	Prathamesh Santosh Rane	Scientist	In-house Design and development of Readout electronics for the high sensitivity of PAT detector	prathameshrane@sac.isro.gov.in
PS5-P-089	Harish Seth	SAC-ISRO	In-House development of FTIR based airborne SAGNAC Imaging Spectrometer	harish_seth@sac.isro.gov.in
PS5-P-090	K Ajay Kumar	ISRO	Integration and characterisation of Pixelated polarisation camera for remote-sensing applications	ajaykumar@sac.isro.gov.in
PS5-P-091	Ruchika Dhaka	IITK, IUCAA, IITK, IITK	Investigating Temporal Variability in the Black Hole Binary GRS 1915+105 through Energy-Dependent Analysis	ruchikadhaka1997@gmail.com
PS5-P-092	Perumalla Naveen Kumar	Osmania University, Hyderabad	Ionospheric Scintillation activity during 2017 Geomagnetic Strom condition over Hyderabad Station	drnaveenkumarp9@osmania.ac.in
PS5-P-093	Dr. Ashok Kumar Srinivasan	Rajalakshmi Institute of Technology, Chennai, India. Rangsons Aerospace Pvt. Ltd, Bangalore, India. Makkal Thalaivar S. Srinivasan Research Centre, Tamilnadu, India.	Laser Interferometer Space Antenna in Remote Sensing Orbiters for Space Exploration	ashokape@gmail.com
PS5-P-094	Gaurang Mathur	Indian Space Research Organization	LSTM based Dynamics Routing for Satellite Constellation	krishnam@ursc.gov.in
PS5-P-095	Anirban Paul	Space Applications Centre, Ahmedabad	Miniature space-grade integrated digital payload eletronics for INS-2B Nanosatellite	anirbanpaul@sac.isro.gov.in
PS5-P-096	Vivek Dholpuria	Space Applications Centre (ISRO)	Miniaturization of active solid-state relays and protection circuits for space	vivekdhol@sac.isro.gov.in
PS5-P-097	Surbhi Wadhwa	ISRO	Miniaturized Multi-Port,High Speed Generic Video Processor	surbhiwadhwa@sac.isro.gov.in
PS5-P-098	Mr. Ravi Prakash Atreya	SAC, ISRO	Development and characterization of focal plane assembly for panchromatic channel of high-resolution optical payload	atreya_ravi@sac.isro.gov.in
PS5-P-099	Nishant Singh	Physical Research Laboratory, Ahmedabad	Multi-Channel Large Area SDD X-Ray Spectrometer with ASIC Based Readout for Daksha Mission	nishant@prl.res.in
PS5-P-100	Subhajit Paul	Space Applications Centre ISRO	Multispectral Image Denoising using Deep Residual Learning based Denoiser	subhajitpaul27998@gmail.com
PS5-P-101	Ashwini U	Manipal Centre for Natural Sciences (MCNS)	Neutron dosimetry and shielding for space radiation using FLUKA	uashwini91@gmail.com
PS5-P-102	SHUBHANGI JAIN	INDIAN INSTITUTE OF ASTROPHYSICS	NEWBIE : NEar-uv Wide Band Imaging Experiment	shubhangi.jain@iiap.res.in
PS5-P-103	RAHUL GUPTA	Scientist, Payload Passive Components Division, SATCOM & Navigation Payload Area, Space Applications Centre, ISRO, Ahmedabad, Gujarat, India	Novel Indigenous Design Approach for Ku-Band Stripline Co-axial Junction Circulator	rahulgupta@sac.isro.gov.in

PS5-P-104	RANJAN PARNAMI	Space Applications Centre, ISRO, Ahmedabad-380015, INDIA	On- board Solid State Recorder for Geo High Resolution Camera (GHRC)	ranjanparnami@gmail.com
PS5-P-105	Nirbhay Kumar Upadhyay	Physical Research Laboratory, Ahmedabad-380009, India	On the modelling of planetary drilling mechanics in the context of a lunar sample return mission	nirbhay@prl.res.in
PS5-P-106	Kiran M Jayasurya	Space Astronomy Group, UR Rao Satellite Centre, ISITE Campus, Indian Space Research Organisation, Bengaluru-560037	On-board Radiation Spectrometer for the upcoming Indian Human Spaceflight Missions	mkiran.jayasurya@gmail.com
PS5-P-107	Vikas Singh	SAC, ISRO, Ahmedabad	Operating Software for ISRO's indigenous Payload-Solid State Recorder	vikassingh@sac.isro.gov.in
PS5-P-108	Raveena Khan	Indian Institute of Astrophysics, University of Calcutta	Optical design of an extreme-ultraviolet (EUV) spectropolarimeter for coronal observations of the Sun	raveena.khan@iiap.res.in
PS5-P-109	Manoj Kumar	Space Applications Centre, ISRO	Optical System Performance Optimization and Characterization of Ocean Colour Monitor-3 (OCM-3) Payload on-board Oceansat-3 (EOS-06) mission	manojkumar@sac.isro.gov.in
PS5-P-110	Affan Nadeem Qazi	BITS Pilani(KK Birla Goa Campus)	Passive Resistive Exercise Device for Astronauts in Microgravity	f20201918@goa.bits-pilani.ac.in
PS5-P-111	Anand Kumar	UR Rao Satellite Centre, ISRO, Bengaluru	PCO Configuration Design with Optimal Acquisition and Maintenance using Continuous Thrust	anandmilind@gmail.com
PS5-P-112	SOMNATH MAHATO	1 Meteorological Training Institute, Indian Meteorological Department, Pune 411008, INDIA 2 GNSS Laboratory, The University of Burdwan, Golapbag, Burdwan 713 104, INDIA	Performance of MADOCA PPP Service from India	somnathmahato1@gmail.com
PS5-P-113	Prashant Kumar	Physical Research Laboratory, Navrangpura, Ahmedabad	Planetary explorations using laser induced induced breakdown spectroscopy: Detection limits and sensitivity	prashantk@prl.res.in
PS5-P-114	Aruna Devi T.M	International Space University	Policies to control Space Debris for a Sustainable Future Space Environment	arunadevi.31@outlook.com
PS5-P-115	Dr Polash Sannigrahi	Indian Air Force	Post Flight Rehabilitationof Astronauts: Aeromedical Considerations	drpolash_mrmc@yahoo.co.in
PS5-P-116	PERUMALLA NAVEEN KUM	Advance GNSS Research Laboratory, Department of ECE, University College of Engineering, Osmania University, Hyderabad and Survey of India, Hyderabad	Prediction of Android GNSS Smartphone Navigation Path using Machine Learning Algorithms for Future Navigation Applications	drnaveenkumarp9@osmania.ac.in
PS5-P-117	Vibhav S. Mangalore	Central University of Kerala	Predictive Modelling of Stellar Chemical Abundances from Low Resolution Spectra using Machine Learning	vibhavmangalore@gmail.com
PS5-P-118	K Ajay Kumar	ISRO	Pre-flight radiometric calibration of dual-band High Resolution infrared camera and its dependence on operating environment	ajaykumar
PS5-P-119	Radhakrishna V	1 Space Astronomy Group, U R Rao Satellite Centre, ISRO, Bengaluru 2 Centre for Sensors, Instrumentation, and Cyber-physical System Engineering (SeNSE), IIT Delhi 3 Thermal Systems Group, U R Rao Satellite Centre, ISRO, Bengaluru 4 Laboratory for Electro-Optics Systems Centre, ISRO, Bengaluru	Progress in ENR based X-ray Optics Development for Future Science Missions	rkrish@ursc.gov.in
PS5-P-120	Dr Subrata Jana	Mody University of Science and Technology	Quantitative comparison of important plasma propulsion engine parameters for deep space missions	eiesubrata@gmail.com
PS5-P-121	Dimpy Sharma	Space Applications Centre , Indian Space Research Organisation (ISRO)	Radiometric Correction Using AI Techniques	sharmadimpy224@gmail.com, sumitvs18@sac.isro.gov.in,duttashutosh@sac.isro.gov.in
PS5-P-122	Abhishek Kumar Sinha	Space Applications Centre (Indian Space Research Organization)	Random Frame Loss Reconstruction in Satellite Imagery using Deep Neural Network	aksinha340@gmail.com
PS5-P-123	Dhrupesh Shah	SPACE APPLICATIONS CENTRE, SEMICONDUCTOR LABORATORY	REALISATION OF OPTICAL IMAGING SENSOR FOR OCM-3 OF OCEANSAT-3 MISSION	dhrupesh_shah@sac.isro.gov.in

PS5-P-124	Shreeyansh Golhani	Space Applications Centre, ISRO Jodhpur Tekra Ahmedabad Gujarat	Realization of Low Absolute Power Measurement System in the Range of -50 dBm – -110 dBm up to 40 GHz to Establish the traceability and its associated uncertainty	shreeyansh@sac.isro.gov.in
PS5-P-125	Kumar Rishav	Space Application Centre, ISRO	Realization of Spectrometer operating in Visible and Near-Infrared	rishav@sac.isro.gov.in
PS5-P-126	Ayan Deghuria	1)MDB DAV PUBLIC SCHOOL, Bankura, West Bengal,722155, India 2) Indian Institute of Science Education and Research (IISER), Berhampur, Ganjam, Orissa, 760010, India 3) Karunya Institute of Technology and Sciences, Karunya Nagar, Coimbatore, Tamil Nadu,64111, India 4) DAV SR. SEC. PUBLIC SCHOOL, Cheeka, Kaithal, Haryana, 136034, India	Recent Advances in Space Debris Removal Techniques; A study	ayanschoolphysics@gmail.com
PS5-P-127	Snehadeep Kumar	Student	SABHASAT : A 1U CUBESAT WHICH WILL DETECT GAMMA RAY BURSTS	snehadeepkumar10@gmail.com
PS5-P-128	S Mathavaraj	Scientist, Flight Dynamics Group, U. R. Rao Satellite Center, Vimanapura, Indian Space Research Organization, Bengaluru, Karnataka 560017, India	Satellite Formation Flying - Bipartite Consensus	mathan@ursc.gov.in
PS5-P-129	M. R. Rajesh Kannan	Flight Dynamics and Space Situational Awareness Group, Master Control Facility, Indian Space Research Organisation	Satellite Photometry Image Data Processing (SPIDAP) software for space object detection and identification in geosynchronous regime)	rajesh@mcf.gov.in, rajeshphy1727@gmail.com
PS5-P-130	Umesh singh , Rajeev Chaturvedi	U R Rao satellite centre	Satellite Risk Assessment Studies and Protection Shield Design Using Developed MATLAB based GUI tool	usingh@ursc.gov.in
PS5-P-131	Abhirup Datta	IIT Indore	SEAMS: A space mission dedicated to ultra-low frequency radio observations	abhirup.datta@iiti.ac.in
PS5-P-132	T SRIDHER	Chaitanya Bharathi Institute of technology, Hyderabad, University College of Engineering , Osmania University, Hyderabad	Selection of Sensor placement for collaborative mapping of IRNSS with Signals of Opportunity	tsridhar_ece@cbit.ac.in
PS5-P-133	Reedhi Shukla	NRSC,ISRO	Small object detection in Remote sensing data using Deep Learning	reedhi5762@gmail.com
PS5-P-134	Gaurang Mathur	MIT World Peace University	Small Satellite Constellation for Lunar Communication System	gmathur1993@gmail.com
PS5-P-135	Divya Jain	Space Applications Centre, Indian Space Research Organisation	Software Quality Analysis of Automatic Dependent Surveillance-Broadcast Ground Software System	divyajain@sac.isro.gov.in
PS5-P-136	Aishwarya meti	No	Solar Radio Harvesting: An Innovative Approach to Powering Earth with Orbiting Amplification Satellites	metiaishu1@gmail.com
PS5-P-137	Subhajit Hazra	1University Institute of Pharma Sciences (UIPS), Chandigarh University, Mohali-140413, Punjab, India. 2LIFE-To & Beyond, Barasat-700124, West Bengal, India. 3InnovaSpace Ltd, London-SE28 0LZ, United Kingdom.	Space Pharmacovigilance: Safeguarding Astronaut Health in the Era of Human Spaceflight	subhajithazra@lifetoandbeyond.org
PS5-P-138	Hariharan V K	ISRO	SPACE WEATHER EFFECTS ON SATELLITES DESIGN	vkhariharanisro@gmail.com
PS5-P-139	UMESH CHANDRA AJMEERA	Jawaharlal Nehru University (JNU) & World Organisation of Students & Youth (WOSY)	SpaceTechXploration: New Space Race Frontiers for Technologies	specialstarooomeshhh@gmail.com
PS5-P-140	Dheeraj Adlakha	Sensors Development Area, Space Applications Centre (ISRO), Ahmedabad-380015	Sparse Aperture Deployable Telescope for High-Resolution Imaging	dheeraj@sac.isro.gov.in
PS5-P-141	Kavilatha Akula	Bhavans New Science college osmania university	Spatio temporal analysis of Lake encroachment in different parts of Hyderabad, Telangana – GIS based approach.	giskavi1226@gmail.com
PS5-P-142	ABDULLAH SUHAIL AYYUB ZIN	Space Applications Centre ISRO Ahmedabad	Spectral matching analysis for Hyperspectral sensor data products	abdullah.suhail7@gmail.com
PS5-P-143	Lokaveer A	(1) Indian Institute of Space Science and Technology, Valiamala, Trivandrum - 695547 ; (2) Atria University, Hebbal, Bengaluru - 560024	SSPACE Astrobiology Payload -1 (SAP -1)	lokaveerthegenius@gmail.com

PS5-P-144	Ayushi Malviya	Space Applications Centre, ISRO, Ahmedabad	Stray light Analysis of a DYSON Spectrometer operating in Long wave InfraRed Region	ayushimalviya@sac.isro.gov.in
PS5-P-145	Nishchith Bhat	Laboratory for Electro-Optic Systems, Indian Space Research Organisation	Stressed Mirror Polishing Demonstration using Kinematic Loading Configurations on a Scaled-down Model	nishchithbhat@gmail.com
PS5-P-146	Vivek Prabhakar	URSC Bangalore	Structural Design and Analysis of Mirror Module Assembly for X-ray Telescopes for Cosmic Observations	vivekp@ursc.gov.in
PS5-P-147	GNV PRASAD	ISRO	STUDENTS SATELLITE PROGRAMME IN INDIAN UNIVERSITIES	vkhariharanisro@gmail.com
PS5-P-148	Adarsh V A	Dayananda Sagar University	STUDENTS SATELLITE PROGRAMME IN INDIAN UNIVERSITIES	va.adarsh2003@gmail.com
PS5-P-149	Sreya Ghosh	Indian Institute of Technology Indore	Study of Defected ground on radiation pattern of UWB miniaturized discone antenna for inter-satellite communication	mt3202121008@iiti.ac.in
PS5-P-150	Dr. Sanjay Kumar Kasodniya	Space Applications Centre (ISRO), Ahmedabad	Telemetry ASIC for Satellite Application	ksanjay@sac.isro.gov.in
PS5-P-151	Ramesh Krishna B	1Department of Physics, Bangalore University, Bengaluru – 560056; 2Department of ECE, Govt SKSJ Technological Institute, Bengaluru – 560001	The analog front-end in ASSR-VLF receiver	rameshkrishna.assr@gmail.com
PS5-P-152	sami ur rehman	ISRO	Thermal background of SW-MWIR IDCA: Estimation and Measurement	sami786rehman@gmail.com
PS5-P-153	Vinod Kumar Gupta	U R Rao Satellite centre, ISRO, Bengaluru	Thermal system performance of indigenous atomic clock on-board NVS-01 spacecraft	vinodgupta2k@gmail.com
PS5-P-154	Rohit Dahiya	Research Scholar	Thickness dependent persistent photoconductivity in β-Ga2O3 thin film photodetectors	rohit.22phz0005@iitrpr.ac.in
PS5-P-155	Bijoy Kumar Dai	ISRO	Thruster Reaction Control System Modelling of Mars Orbiter Mission	welcome2bijoy@gmail.com
PS5-P-156	Dr. Gunjan Verma	Laser Physics Applications Division, Raja Ramanna Centre for Advanced Technology, Indore-452013	Towards trapping of a single atom for quantum information application	gverma@rrcat.gov.in
PS5-P-157	Rakhi	1Surface Modification and Applications Laboratory, Department of Physics, Indian Institute of Technology Ropar, Nangal Road, Rupnagar, Punjab-140001, India 2Functional and Renewable Energy Materials Laboratory, Department of Physics, Indian Institute of Technology Ropar, Nangal Road, Rupnagar, Punjab-140001, India	Ultra-Fast Photodetection Using Conformal Deposition of Ultra-Thin Amorphous Ga2O3 Films on Nano-rippled Substrate via Unconventional Si Doping	2018phz0013@iitrpr.ac.in
PS5-P-158	MADHAV HARIDAS MK	Flight Dynamics Group, URSC, ISRO Bengaluru	Unravelling Orbital Complexities: A Comprehensive Study of Forces Shaping Aditya-L1 Interplanetary Satellite Mission	madhavharidas@gmail.com
PS5-P-159	Kanav Avasthi	Department of Computer Science and Engineering, Nirma University, Ahmedabad, India	Unsupervised Learning Techniques for Hyperspectral Image Segmentation of EMIT dataset	tarjni.vyas@nirmauni.ac.in
PS5-P-160	DAN C. WILKINSON1, BHARTI BISHT1,2, BRIGITTE N. GOMPERTS1*, MANASH K. PAUL1,3*	1 David Geffen School of Medicine at the University of California, Los Angeles, Department of Pediatrics, Children's Discovery and Innovation Institute, Los Angeles, California, USA 2 Kasturba Medical College, Manipal Academy of Higher Education, Karnataka, India. 3 Department of Radiation Biology and Toxicology, Manipal School of Life Sciences, Manipal Academy of Higher Education, Manipal, India.	USING SIMULATED MICROGRAVITY TO GENERATE THREE-DIMENSIONAL BIOENGINEERED LUNG ORGANOIDS	manash.paul@manipal.edu
PS5-P-161	Kundan Sahu	Indian Institute of Technology Indore	Validation of a 2U CubeSat design for RFI Survey in LEO using Finite Element Analysis.	mt2202121004@iiti.ac.in
PS5-P-162	Tinkal Ladiya	Physical Research Laboratory	Venus Solar Soft X-ray Spectrometer (VS3) on-board Venus Orbiter	tinkal@prl.res.in

PS5-P-163	Ayush Kumar	Space Application Centre, ISRO	Wafer Scale Linear Charge Coupled Device for Space based Multispectral Remote Sensing	ayushkumar@sac.isro.gov.in
PS5-P-164	Kamalesh Singh	Department of Metallurgical Engineering, Indian Institute of Technology (Banaras Hindu University) Varanasi-221005 India	Extracting Metals from Moon: Opportunity and challenges	kksingh.met@iitbhu.ac.in
PS5-P-165	Yogendra K. Gautam	Charan Singh University Meerut, U.P	Silicon Carbide (SiC) thin films-based hydrogen gas sensors for aerospace applications	ykg.iitr@gmail.com
PS5-P-166	Namita Singh	Space Applications Centre, Indian Space Research Organization	Multi-Mode Data Processing Electronics for Space-Based Solar Observation Payload	namita@sac.isro.gov.in
PS5-P-167	Sudhanshu Yadav	ISTRAC	Satellite Communication network for Gaganyaan mission	sudhanshu.yadav@istrac.gov.in