

प्लाज़्मा अनुसंधान संस्थान, गाँधीनगर / Institute for Plasma Research, Gandhinagar

शोध प्रतिवेदन, फरवरी 2025 / Research Reports, February 2025

S. No	Name	Report Title	Report Number
1	Manisha Jha	Design and Experimental validation of Pattern and Frequency Reconfigurable Central Plasma Antenna Array	IPR/RR-1720/2025
2	Suman Aich	Effect of LH and ECR waves on plasma parameters in ADITYA Upgrade tokamak	IPR/RR-1721/2025
3	Sidharth Dash	Probing into Space Charge Interactions of Negative Ion Beams through Imaging Diagnostics	IPR/RR-1722/2025
4	Vijay Shankar	Influence of Ion- neutral Collisions on the Impact of Edge Biasing in a Tokamak Plasma	IPR/RR-1723/2025
5	Jyoti Agarwal	Transformer for predicting major disruptions in ADITYA tokamak	IPR/RR-1724/2025
6	Ajaz Mir	Modeling of Experimentally Observed Two Dimensional Precursor Solitons in a Dusty Plasma by the forced Kadomtsev–Petviashvili Equation	IPR/RR-1725/2025
7	Srikanta Sahu	Development of a sensitive flowmeter for electrically conducting liquids and its calibration using first principles in a novel high temperature set up	IPR/RR-1726/2025
8	Tejendra Patel	3D Computational Fluid Dynamics Analysis of Prototype Ion Extractor Grid-1 using ANSYS	IPR/RR-1727/2025
9	Meddi Tharun	New Systematic Design Methodology of Modular Multilevel Converters in Rectifier Applications	IPR/RR-1728/2025

तकनीकी प्रतिवेदन, फरवरी 2025/ Technical Reports, February 2025

S. No	Name	Report Title	Report Number
1	Jignesh Chauhan	Design, Fabrication and Evaluation of Force-Reflecting 6 DOF Haptic Device for Remote Handling and Robotic Applications	IPR/TR-835/2025
2	Minsha Shah	Design up-gradation of electronics for PMT sensor based systems in ADITYA-U Tokamak	IPR/TR-836/2025
3	Vijay Patel	Prototype implementation of Security Operations Center (SOC) using Open-Source Tools	IPR/TR-837/2025
4	Prem Kumar	Setup and benchmarks of TimescaleDB for time-series based sensor data	IPR/TR-838/2025
5	Atul Prajapati	LIGO Beam Tube:The LI-VISTA Experiment	IPR/TR-839/2025