

प्लाज़्मा अनुसंधान संस्थान, गाँधीनगर/ Institute for Plasma Research, Gandhinagar
शोध प्रतिवेदन, सितम्बर 2025/ Research Reports, September 2025

S. No	Author	Report Title	Report Number
1	Deepak Sharma	Conceptual Design of Solid Breeder Blankets for Fusion Pilot Plants	IPR/RR-1795/2025
2	Pratik Ghosh	Data Adequacy for Deep Learning-Assisted Microwave Plasma Interaction-Based Plasma Density Diagnostics	IPR/RR-1796/2025
3	Krishnamayee Bhoi	The effect of Manganese (Mn) Substitution on Structural, Magnetic and Electrical Properties of CoFe ₂ O ₄	IPR/RR-1797/2025
4	Ashok Kumar Kumawat	A Single-Channel Metal Foil Infrared Bolometer to Measure the Toroidal Radiation Asymmetry during Plasma Disruption Mitigation Scenarios in ADITYA-U Tokamak	IPR/RR-1798/2025
5	J J U Buch	Beat Frequency Estimation for Microwave Reflectometry Signals	IPR/RR-1799/2025

तकनीकी प्रतिवेदन, सितम्बर 2025/ Technical Reports, September 2025

S. No	Author	Report Title	Report Number
1	Ch. Chakrapani	Testing of a large Cryosorption pump with a Cryocooler for Neutral Beam Operation	IPR/TR-894/2025
2	Abhishek Sinha	Design Evolution, Development and Characterization of Frequency Selective Surface (FSS) Notch Filter	IPR/TR-895/2025
3	Bhavinkumar B. Amin	100 kW Ongrid Roof Top Solar Power Plant	IPR/TR-896/2025
4	Shivam Patel	Design and Implementation of an On-Premises Cloud Infrastructure Using OpenStack	IPR/TR-897/2025
5	Yogendra Singh	Fabrication and characterization of MgB ₂ /Nb superconducting wire	IPR/TR-898/2025
6	V. B. Patel	MySQL to PostgreSQL Data Migration of Large Cryogenics Plant and Cryo-Systems Data	IPR/TR-899/2025
7	Shubham Kumar Singh	Modern Website Development with Security Strategies	IPR/TR-900/2025