

**EPICS India Collaboration Meeting,  
Venue – Auditorium, TIFR Hyderabad  
28<sup>th</sup> & 29<sup>th</sup> November, 2024**

<b>Day One – 28<sup>th</sup> November 2024</b>		
09:30 – 10:00	REGISTRATIONS	
10:00 – 10:15	Welcome & Opening Remarks	M Krishnamurthy (Centre Director, TIFRH)
10:15 – 10:30	Meeting Brief	Sandeep Malu (TIFRH)
10:30 – 11:00	Use of EPICS in Laser Control System	Christopher Gregory (CLF)
11:00 – 11:20	TEA BREAK	
11:20 – 11:50	EPICS @IPR Project	Vishnu B. Patel (IPR)
11:50 – 12:20	LEHIPA - A Control System Perspective	Arindham Basu (BARC)
12:20 – 12:30	TRISHUL – PW Laser @TIFR	Prashant Singh (TIFRH)
12:30 – 13:30	LUNCH	
13:30 – 14:00	Enhancing Control System GUI Experience	Priya Sharma (TIFRH)
14:00 – 14:10	EPICS for LIGO-India Control and Data System Prototyping	Hitesh Kumar Gulati (IPR)
14:10 – 14:20	Introduction to Vulcan 20-20 Laser	Rebecca Harding (CLF)
14:20 – 14:30	Simulating Reality: Unlocking Device Behavior Through Virtual Models	Sathvika G (TIFRH)
14:30 – 14:40	EPICS based LINAC Beam Transportation & Diagnostic System	Catarina Rozario (TIFRM)
14:40 – 14:50	Machine Protection System in High Repetition Rate Lasers	Saurabh Halli (TIFRH)
14:50 – 15:00	Addressing Scalability Challenges of 2-D Detectors	Sandeep Malu (TIFRH)
15:00 – 15:15	TEA BREAK	
15:15 – 16:00	Round Table 1 - EPICS challenges at your facility	
16:00 – 17:30	Poster Session	

<b>Day Two - 29<sup>th</sup> November 2024</b>		
10:00 - 10:30	Centralized Logging & Monitoring System for EPICS IOCs	Saisrikiran M & Sathvika G (TIFRH)
10:30 - 11:00	Automation Strategies for EPICS IOCs Deployment	Sandeep Malu (TIFRH)
11:00 - 11:20	TEA BREAK	
11:20 - 11:50	A Scalable Export Solution for Extensive Facility Data	Pranali Patil (TIFRH)
11:50 - 12:20	ML based Automation and Gen AI based meta-automation	Rajesh Kovuri (Phoebus AI)
12:20 - 12:30	EPICS as the core design for a data acquisition control system for High Power ICRH experiment	Ramesh Joshi (IPR)
12:30 - 13:30	LUNCH	
13:30 - 13:40	EPICS-based Beam Diagnostics System in LEHIPA	Deepak N Mathad (BARC)
13:40 - 13:50	Design and development for Soft X-ray Tomography diagnostics system.	Samridhi Garg (IPR)
13:50 - 14:00	Interactive UI design	Anwardeen M (TIFRH)
14:00 - 14:10	EPICS - Kafka Forwarder	Anuj Mittal (TIFRH)
14:10 - 14:20	EPICS interface with customized PLC through fixed port binding	Sanjay Jain (BARC)
14:20 - 15:00	Round Table 2 - Navigating Technological Advances: IT, Cybersecurity, Automation, and AI	
15:00 - 15:20	TEA BREAK	
15:20 - 15:50	Round Table 3 - Meeting Feedback & Future Scope	
15:50 - 16:00	Closing Remarks	