

Schedule for Technical Outreach Sessions of the challenges launched under ADITI 4.0 and DISC 14

Sr No	Services	Challenge Category	Challenge Name	Date	Timing	Meeting Link
1	Indian Army	ADITI 4	Autonomous Load Carrier Trucks for Indian Army Ops	06-Apr-26	10AM-1PM	Link
2		DISC 14	Swarm Technology based Heavy Payload Logistics Drones with 200 Kg load capacity			
3			ALS / 2.5 Ton Vehicle Mounted Barrel Handling Swivel Arm			
4			Automatic Snow Chain System for Army "B" Vehicles			
5			Camouflage Concealment and Deception (CCD) against SAR Imagery			
6	Indian Air Force	ADITI 4	Helmet Mounted Digital Night Vision Device	08-Apr-26	2PM-5PM	Link
7		DISC 14	Ku band radar for drone detection.			
8			Integrated CUAS system on existing vehicle.			
9	Indian Air Force	ADITI 4	AI Based OSINT Analysis and monitoring system guidance and social media stacks	08-Apr-26	10AM-1PM	Link
10		DISC 14	Pan-IAF Wargaming tool.			
11			Automated Decision Tool, to conduct Helicopter and Fixed wing operations in Himalayan Belt of Indian region, based on the Weather Conditions of Passes and Valleys estimated by the module.			
12			Development of Next Generation Compact Universal Test Equipment (NGCUTE) for ALMs of IAF.			
13			AI based Airway assessment tool in Pre anaesthesia check-up.			
14	Indian Navy	DISC 14	Electro Magnetic Launch System for Maritime Operations	08-Apr-26	2PM-5PM	Link
15			Development of Doppler Velocity Log			

16			Development of software for P81 Sonobuoy data			
17	Indian Coast Guard	DISC 14	Stern tube Shaft Seals for propulsion system onboard Sachet class ships	09-Apr-26	10AM-1PM	Link
18			Fuel consumption optimization using AI-based tools			
19			Indigenisation & development of Integrated Bridge System (IBS) along with repair services			
20			Development of Indigenised Power Management System (PMS)			
21			Non availability of Indigenised Fire Detection System (FDS) installed onboard ICG ships (FPVs/ IBs)			
22			Indigenisation of Personal Locator Beacon (PLB)			
23			Maritime Security Analytics Software (MSAS) with Artificial Intelligence and Machine Learning for Coastal Surveillance Network of Indian Coast Guard			
24	Indian Air Force	DISC 14	Indigenous GIS based OFC Network Management System (NMS)	09-Apr-26	2PM-5PM	Link
25			Indigenous High-capacity Ethernet LoS Radio.			
26			Indigenous Network Monitoring solutions.			
27			Secure information Exchange Platform for Military Units (SIEPMU) on public internet			
28			Indigenous Dense Wavelength Division Multiplexing (DWDM).			
29			Development of Indigenous secure HDD with central management solutions.			
30			Indigenous Cyber deception Network			

31	Indian Navy	ADITI 4	Guided Long Range 76 mm Ammunition with Programmable Fuse	10-Apr-26	10AM-1PM	Link	
32			Ballistic Extended Range 76 mm Ammunition with Programmable Fuse				
33		DISC 14	Design and development of a universal digital gauge to monitor firing pin efficiency in weapon systems employing electrical and percussion mode of firing (torpedo tubes/gun mounts/chaff launchers)				
34	Indian Army	ADITI 4	Conversion of Tank T-72 into Autonomous Armoured Fighting Veh (AFV) Platform		13-Apr-26	2PM-5PM	Link
35			Development of Ramjet Powered Supersonic Loitering Munition System				
36			Development of 125mm HEAT amn for T-72 & T-90				
37		DISC 14	Smoke Grenade Launcher (SGL) Launched Loitering Munition for Tanks				
38	Indian Army	DISC 14	Indigenous development and manufacturing of the Mirror Unit used in the Thermal Imager ESSA of Tank T-90	13-Apr-26	10AM-1PM	Link	
39			Indigenous Development and Manufacturing of Radiator Block Used For Ranging in the Range Finder Module Of Gunner Sight 1G46 Installed on the T-90 Tank				
40			Fire Control System for Sniper Rifle				
41			Fire Assistance System for Assault Rifle				
42			Weaponized HIVE of AI Enabled autonomous Robo Dogs for SF with manned & unmanned teaming				
43		ADITI 4	Development of an Indigenous tool for Space domain training, Surveillance and Operations in the Indian Air Force (IAF)		2PM-5PM	Link	

44	Indian Air Force/Defence Space Agency		Miniaturization of Payloads (EO and SAR) for Small Satellites up to 180 Kg Class			Link
45			Challenge title Development of High-Efficiency, Lightweight, Space-Grade Silicon-Perovskite Tandem Solar Panels (150 W Class) for Small Satellites (~200 kg class)			
46	Indian Air Force	DISC 14	Multi-Purpose All-Terrain Vehicle (Hybrid, Modular Mission-Kit Equipped) for Mobile Military & Multi Agency Operations. Mobile Air Traffic Control (MATC)	15-Apr-26	10AM-1PM	Link
47			To design and develop Camouflage solution for solar panels installed at Defence Installations			
48			Design and Develop a retractable mesh door to cover mouth of aircraft Shelter (Hardened aircraft shelter and sun shelter) with opacity to EO/IR/SAR			
49			Design and development of "Canopy Lift Check Device" in Fighter aircraft			
50	Indian Navy	DISC 14	Safety Round Logging and Monitoring System (SRLMS)		2PM-5PM	Link
51			New Age DC Repair Kit			
52			Inflatable Hatch Sealer			
53			Fire Fighting Drone for High Rise Buildings			
54	Indian Navy	DISC 14	Design and Development of Control and Monitoring unit for MiG-29K aircraft engine	17-Apr-26	10AM-1PM	Link
55			Sensing Transformer to Convert Angular Motion to Electrical Signals for MIG 29K Aircraft Engine			
56			Indigenous development of Pressure Transmitter for MiG 29K			
57			Universal fire sensor for MiG 29K Aircraft Engine			
58	Indian Army	DISC 14	AI Module for UAS for Autonomous Recognition, Identification and Targeting.		2PM-5PM	Link

59			Modular and scalable multi-role ammunition for Unmanned Aerial Systems			
60			Development of Standard GCS for UAS			
61			AI Enabled Gun Area Recce Module			
62			AI Enabled Multi Agent Module for UAS Functions.			
63	Indian Army	DISC 14	Modular Soft-Kill & Hard-Kill Integrated Counter-Unmanned Aerial System (C-UAS) Kit Regt of Arty	20-Apr-26	10AM-1PM	Link
64			Development of an autonomous and portable Drone Interception System (The "Drone Catcher") for artillery guns			
65			Heavy Load Carrying Drone with IC Engine			
66			360° Situational Awareness Kit with Driver Assistance for Protected Mobility Vehicle			
67			Helicopter-Mounted Anti-Drone System			
68			Aircrew Protection Vest: Army Aviation Pilots			
69	Indian Navy	DISC 14	Radio Frequency (RF) Emulator for Deception	22-Apr-26	2PM-5PM	Link
70			Underwater Welding Electrode			
71			Non-Destructive Test for Weld Joints in Afloat Condition			
72		ADITI 4	Diesel Engine Generator Exhaust System for Submarine			
73	Indian Navy	DISC 14	Design & Development of Sovereign Multi-modal Foundational Model	24-Apr-26	10AM-1PM	Link
74			Specialised Indigenised hardware, AI & storage computing based layered Solution for collating data from ships for Analytic & Deep Learning			
75	Indian Navy	DISC 14	Virtual Walkthrough Model for P-75 Submarines	28-Apr-26	2PM-5PM	Link

Note: All the recordings of the previous session will be available on this YouTube Playlist by clicking on this button

