

Proposed Training Schedule under Skill Development Program at DTTC in Year-2026

S/N	Course/ Training Title	Classification of Course	Date & Duration	Topics to be Covered	Course Co-ordinator
I.	AI/ ML applications in Defence Sector	Basic	11-12 February 2026 (Wed & Thu) 02 Days	<ul style="list-style-type: none"> • Introduction to AI/ML in Defence • Core Techniques in AI/ML • AI/ML in Cybersecurity and Counterintelligence for Defence • Hands-on • AI/ML in Intelligence, Surveillance, and Reconnaissance (ISR) • Application of AI/ML in Material Science • AI/ML in Space Defence and Satellite Technology • Future of AI/ML in Defence • Ethical and Legal Frameworks for AI/ML in Defence 	DTTC, LUCKNOW Landline No: 0522-2317591 E-mail ID: kumar.atul.sag@gov.in
II.	Electronic Systems Design, Fabrication & Realization (RF PCB/ MMIC/IC)	Intermediate	23-24 April 2026 (Thu & Fri) 02 Days	<ul style="list-style-type: none"> • System Requirements & Architecture Planning • Analog, Digital & Power Circuit PCB Design • PCB Design Principles & Layout Practices • Design Validation & Manufacturing Documentation • PCB Fabrication Processes & Materials • Assembly, Soldering & Workmanship Standards 	DTTC, LUCKNOW Landline No: 0522-2317592 E-mail ID: virendra.dlrl@gov.in
III.	Emerging areas and Challenges for Startups and Entrepreneur in Defence and Aerospace	Basic	18-19 June 2026 (Thu & Fri) 02 Days	<ul style="list-style-type: none"> • Introduction to Defence & Aerospace Startup Ecosystem • Emerging Technology Areas in Defence & Aerospace • Defence Procurement & Startup Entry Pathways • Business Models & Go-To-Market Strategy • Technical, Regulatory & Operational Challenges • Funding, Investment & Government Support • Infrastructure, Testing & Certification Facilities • Case Studies of Successful Defence & Aerospace Startups 	DTTC, LUCKNOW Landline No: 0522-2317618 E-mail ID: rudresh.kumar.dmsrde@gov.in
IV.	EMI/EMC: Fundamentals, Measurement, Testing of Defence System	Advance	20-21 August 2026 (Thu & Fri) 02 Days	<ul style="list-style-type: none"> • Introduction to EMI/EMC in Defence sector • EMI/EMC Standards & Compliance Requirements • EMI Control at System & Subsystem Level • EMI Mitigation Techniques in Defence Hardware • MI/EMC Test Facilities & Instrumentation • Conducted & Radiated Emission Measurements • Susceptibility / Immunity Testing • EMI/EMC Test Planning, Documentation & Reporting 	DTTC, LUCKNOW Landline No: 0522-2317592 E-mail ID: virendra.dlrl@gov.in
V.	Drone and Anti-Drone Technologies for Strategic Sector	Advance	27-28 October 2026 (Tue & Wed) 02 Days	<ul style="list-style-type: none"> • Introduction to UAV / Drone Technologies • Drone Architecture & Subsystem Overview • Navigation, Communication & Payload Systems • Autonomous Flight, Ground Control & Mission Planning • Strategic & Defence Applications of Drones • Drone Threat Landscape & Security Challenges • Drone Detection & Tracking Technologies • Anti-Drone Neutralization Techniques 	DTTC, LUCKNOW Landline No: 0522-2317594 E-mail ID: anksingh@gov.in
VI.	Composite Material: Design, Fabrication & Testing	Advance	17-18 December 2026 (Thu & Fri) 02 Days	<ul style="list-style-type: none"> • Fundamentals, Materials & Design of Composites • Reinforcements & Matrix Materials • Mechanical Behaviour & Failure of Composites • Composite Laminate Design & Analysis • Composite Fabrication Techniques • Defects in Composites & Quality Control • Mechanical Testing of Composite Materials • Non-Destructive Testing (NDT) of Composites • Defence and Aerospace Applications, Case Studies & Certification 	DTTC, LUCKNOW Landline No: 0522-2317617 E-mail ID: akumar.dmsrde@gov.in

For registration, kindly submit the copy of your Affiliation ID, Aadhar ID and a recommendation letter from the concerned authority of your Institute/Industry etc. via email to the course coordinator