

## 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"> <li>Introduction to AI/ML in Defence</li> <li>Core Techniques in AI/ML</li> <li>AI/ML in Cybersecurity and Counterintelligence for Defence</li> <li>Hands-on</li> <li>AI/ML in Intelligence, Surveillance, and Reconnaissance (ISR)</li> <li>Application of AI/ML in Material Science</li> <li>AI/ML in Space Defence and Satellite Technology</li> <li>Future of AI/ML in Defence</li> <li>Ethical and Legal Frameworks for AI/ML in Defence</li> </ul>	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"> <li>System Requirements &amp; Architecture Planning</li> <li>Analog, Digital &amp; Power Circuit PCB Design</li> <li>PCB Design Principles &amp; Layout Practices</li> <li>Design Validation &amp; Manufacturing Documentation</li> <li>PCB Fabrication Processes &amp; Materials</li> <li>Assembly, Soldering &amp; Workmanship Standards</li> </ul>	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"> <li>Introduction to Defence &amp; Aerospace Startup Ecosystem</li> <li>Emerging Technology Areas in Defence &amp; Aerospace</li> <li>Defence Procurement &amp; Startup Entry Pathways</li> <li>Business Models &amp; Go-To-Market Strategy</li> <li>Technical, Regulatory &amp; Operational Challenges</li> <li>Funding, Investment &amp; Government Support</li> <li>Infrastructure, Testing &amp; Certification Facilities</li> <li>Case Studies of Successful Defence &amp; Aerospace Startups</li> </ul>	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"> <li>Introduction to EMI/EMC in Defence sector</li> <li>EMI/EMC Standards &amp; Compliance Requirements</li> <li>EMI Control at System &amp; Subsystem Level</li> <li>EMI Mitigation Techniques in Defence Hardware</li> <li>MI/EMC Test Facilities &amp; Instrumentation</li> <li>Conducted &amp; Radiated Emission Measurements</li> <li>Susceptibility / Immunity Testing</li> <li>EMI/EMC Test Planning, Documentation &amp; Reporting</li> </ul>	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"> <li>Introduction to UAV / Drone Technologies</li> <li>Drone Architecture &amp; Subsystem Overview</li> <li>Navigation, Communication &amp; Payload Systems</li> <li>Autonomous Flight, Ground Control &amp; Mission Planning</li> <li>Strategic &amp; Defence Applications of Drones</li> <li>Drone Threat Landscape &amp; Security Challenges</li> <li>Drone Detection &amp; Tracking Technologies</li> <li>Anti-Drone Neutralization Techniques</li> </ul>	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"> <li>Fundamentals, Materials &amp; Design of Composites</li> <li>Reinforcements &amp; Matrix Materials</li> <li>Mechanical Behaviour &amp; Failure of Composites</li> <li>Composite Laminate Design &amp; Analysis</li> <li>Composite Fabrication Techniques</li> <li>Defects in Composites &amp; Quality Control</li> <li>Mechanical Testing of Composite Materials</li> <li>Non-Destructive Testing (NDT) of Composites</li> <li>Defence and Aerospace Applications, Case Studies &amp; Certification</li> </ul>	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