

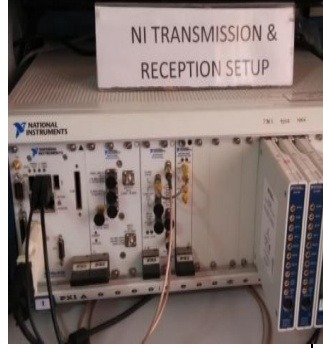




## Signal Processing and Communication Laboratory

This lab facilitates the signal acquisition, new methodology development, and time-domain & frequency-domain analysis, advanced communication aspects, various type signal generation and detection. This programme is unique master degree programme and aimed to train the manpower of the country especially selected technical officers of the tri-services, defence R&D organizations including DRDO, DGO, MSQA, DGQA, CGQA, Public Sector Undertakings and Civilian Students.

		
		
<p><b>NAME OF COMPONENTS</b></p>		
<ol style="list-style-type: none"> <li>1. NI Transmission &amp; Reception Setup</li> <li>2. RTO 1014 Oscilloscope 1GHz – 10 GSa/s</li> <li>3. IRNSS/GPS/SBAS receiver</li> <li>4. Vector Signal Generator 9KHz-3GHz</li> <li>5. Logic Analyzer 68-Channel Portable with 2.5 GHz Timing in Deep Memory</li> <li>6. Field Fox-Two port Vector Network Analyzer</li> </ol>	<ol style="list-style-type: none"> <li>7. Chassis- NI PXIe 1075</li> <li>8. Embedded Controller- NI PXIe-8133</li> <li>9. Analog interfacing module- NI 5781</li> <li>10. Digital interfacing module- NI 6581</li> <li>11. RF up-converter module -NI PXI 5610(2.7GHz)</li> <li>12. RF down-converter module- NI PXI 5600(2.7Gz)</li> <li>13. HDMI &amp; mobile analyzer module- NI PXI 1491</li> </ol>	