



# RAMP PLUS TECHNOLOGIES Pvt.Ltd.

**Course Name:** Design Tools and Testing methods for antenna systems

Total Duration of the Course: 105 Hours

Theory Modules-Antenna Systems			
Sl. No	Module Code	Title	Duration (weeks)
1		<ul style="list-style-type: none"> <li>◆ Antenna system parameters -</li> <li>◆ Radiation pattern ,</li> <li>◆ Power density ,</li> <li>◆ Radiation intensity ,</li> <li>◆ Directivity,</li> <li>◆ Gain ,</li> <li>◆ Antenna efficiency ,</li> <li>◆ HPBW ,</li> <li>◆ Beam efficiency ,</li> <li>◆ Band width,</li> <li>◆ Polarization ,</li> <li>◆ I/p impedance ,</li> <li>◆ Effective length &amp; area,</li> <li>◆ Effective aperture ,</li> <li>◆ Radiation resistance ,</li> <li>◆ Antenna temperature .</li> </ul>	35 Hours

Laboratory Modules-Antenna Measurements Lab			
Sl. No	Module Code	Title	Duration (weeks)
1		Radiation Pattern	30 Hours
2		Gain	
3		Directivity	
4		Impedance	
5		Polarization	
6	PRJ 500	Field Strength Measurements	

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#1588, "SRI RANGA VAIBHAVA", ABOVE ADISHWARA ELECTROWORLD, ATTIGUPPE MAIN ROAD ,  
CHANDRA LAYOUT, B'LORE – 72.

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Laboratory Modules-Simulation and Design Lab			
Sl. No	Module Code	Title	Duration (weeks)
1		◆ Animation , Visualization of radiation patterns	40 Hours
2		◆ Antenna pattern plotter – rectangular & polar	
3		◆ Max directivity, radiation resistance of linear dipole	
4		◆ Directivity and radiation resistance of circular loop	
5		◆ Radiation characteristics of linear & broad side planar array .	
6		◆ Yagi-Uda antenna design	
7		◆ Pyramidal horn design	
8		◆ Micro strip antenna design	

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