



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

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Charges for Testing and Consultancy

Sl. No.	Setup available	Set up can be used for	Students NITTR	Students Outside	Industrial and R&D User
1.	Automatic PCB Prototyping Machine	PCB board Size: Less than 4 cm ² (Single Side)	400/ Sample	600/ Sample	1200/ Sample
		PCB board Size: Less than 4 cm ² (Double Side)	500/ Sample	800/ Sample	1500/ Sample
		PCB board Size: Less than 25 cm ² (Single Side)	700/ Sample	1000/ Sample	2000/ Sample
		PCB board Size: Less than 25 cm ² (Double Side)	800/ Sample	1200/ Sample	2500/ Sample
2.	Spectrum Analyzer 3GHz	Signal characterization of signal source.	500/week	1000/week	2500/week
3.	Handheld Vector Network Analyzer (Keysight-18 GHz)	Measurement of Antenna parameters	500/ Sample	1500/ Sample	2000/ Sample
4.	Digital Signal Oscilloscope	Verification of signal processing algorithms, testing of mixed signal circuits.	200/week	500/week	1500/week
5.	Pynq Z2	Designing and verification of digital designs	300/week	600/week	1000/week
6.	Pmod KYPD: 1 6-button Keypad		200/week	400/week	1000/week
7.	Pmod OLEDrgb: 96 x 64 RGB OLED Display Pmod		200/week	400/week	1000/week
8.	Pmod DA2: Two 12-bit DIA Outputs			400/week	1000/week
9.	Pmod TPH2: 12-pin Test Point Header		200/week	400/week	1000/week
10.	Boolean Board		200/week	300/week	500/week
11.	Urbana Board		200/week	300/week	500/week
12.	Arty A7-100T		300/week	1200/week	2000/week
13.	Kria KR-260		300/week	1200/week	2000/week
14.	Kria KV (Video)		300/week	1200/week	2000/week
15.	Kria KV (Video)		300/week	1200/week	2000/week
16.	Pynq ZU		300/week	1500/week	2500/week
17.	Zynq UltraScale+ MPSoC ZCUI 04		600/week	1500/week	2500/week
18.	UEF-VIVADO-ENTER -25 (2 Bundles)		300/week	1200/week	2500/week
19.	UEF-MATSIM-ADDON-25 (2 bundles)		300/week	1200/week	2500/week
20.	Xilinx Spartan 5AN	Designing and verification of digital designs	400/week	1500/week	2500/week
21.	Xilinx Virtex-7 Development Board		500/week	1800/week	2500/week

22.	Xilinx Vitis-ML Ed.	Design and Development of IOT networks for Industrial Applications	400/week	1200/week	2000/week
23.	Xilinx Vivado Edition		200/week	1200/week	2000/week
24.	Sense-Nuts based WSN network setup		200/Node/day	250/Node/day	500/Node/day
25.	IoT Application Development Setup		300/Node/day	350/Node/day	600/Node/day
26.	Workstation With GPU	Developing and testing of various Machine Learning and Deep learning models and Algos	250/week	500/week	1000/week
27.	Digital Camcorder	High Quality video acquisition	250/week	500/week	1000/week
28.	Raspberry pi	Real time image processing experiments	200/week	300/week	500/week
29.	Image processing smart camera equipment	Acquiring images and extracting application specific information from captured image	250/week	500/week	1000/week
30.	Machine vision system	Performing various real time image processing and computer vision applications	250/week	500/week	1000/week
31.	Opti System Software	Design and simulation of fiber optic, FSO, IsOWC etc. setup	500/week	1200/week	2000/week