Govt. College of Engineering, Amravati
Department of Electronics Engineering,

Research Laboratory

Current Working Students

Sr.No	Name of Student	Area	Title of research	Supervisor
1	Gajanan D. Nagoshe	Computer Computing Engineering	Design and Analysis of an efficient Routing Protocol for Flying Ad Hoc Network (FANET)	Dr. D. V. Rojatkar
2	Samrat Subodh Thorat	Deep learning, Vehicular Adhoc networking	Design and Analysis of Faithful Vehicular Communication Using Deep Learning	Dr. D. V. Rojatkar
3	Kapil S Pachpor	Computer Vision, Deep learning	Design, Implementation and Analysis of an efficient model for crop disease detection using computer vision	Dr. D V. Rojatkar
4	Nitin S.Gawai	Computer Vision, Machine Learning	Development of Method For Detection And Classification of Maritime Ship Targets Using Synthetic Aperture Radar Satellite Data Analysis	Dr. D V. Rojatkar

Department: Electronics and Telecommunication
List of Major equipment
Laboratory: Post Graduate and Research laboratory

Sr.No	Particulars	DSR PAGE NO	Quantity	Cost (in Rs)
1	Portable Interactive White Board System Make : Elearn Accessories: USB Cable- 1No, Software CD - 1No, Stylus -02No, Wand - 01No	7	1	57960.00
2	Microwind Software 20 User, 3.5 Version	11	1	446250.00
3	Iris GT-Smart Imaging with Microphone 12080n 960, 22fps CCD sensor, 1.6 GHz atom CPU, 256 MB DRAM, 1GB Flash Disk includes Design Asssistant, Iris GT Starter Kit	13	1	825000.00
4	Wireless Access Point 901-7762-XX01 Zone Flen 802 - 11 N outdoor wireless Access Point Sr No. - i) 401204001179 ii) 401204001331	14	2	240000.00
5	Network System trainer	15	1	610000.00
6	Altium Designer Software (Altium Designer 13)	16/1	1	474750.00
7	FPGA Kit: Altium Nano - Board NB, 300, nilinn, Spartan 3AN	16/3	1	240540.00
8	Blue Tooth Embedded training system	17/2	1	210000.00
9	Digital Video Evoluation Module, T1 Video, Imaging, speech and audio evoluation codes, custom codes that comply with TT'S express DSP DIGITAL MEDIA(XDM) algorithm standard Make : ZEEIS	19	1	429450.00

	Model : DAVANCI Sr. No. : DM 66446			
10	PCB Prototyping Machine (MITS Eleven Lab) Make : MITS Technology Model : Eleven Lab	20	1	950000.00
11	Design Development solution for the embedded system	24	1 set	1050000.00
12	Real Time Hardware design and Development system including multimedia	25	3 users	1490580.00
13	FINFET 14nm Software Tool	26	05 users	330400.00
14	Software and Hardware for Mechatronics / Robotics Lab: Software solution: (05 users) 1. 20-sim software, version 4.6 2. 20-sim 4C: Real Time tool chain, version 4.6, Hardware Solution: 1. TS-7300 demonstration kit (02 Quantity) 2. Inverted Pendulum Kit (01 Quantity)	28	1	100300.00
15	Linux Based real time image capture and store	29	1	224200.00
16	Solar Power System with MPPT algorithm	30	1	271400.00
17	IOT Lab Application setup for Agricultural Interfacing with machine Learning Algorithm	31	1	236000.00
18	IOT Application setup for Smart City	32	**1**	177000.00
19	Cortex Development Boards	33	5	796500.00
20	AVF Multi-vendor PLD Platform	34	1	147500.00
21	Matrix –II development platform	35	1	153400.00
22	Lenovo Desktop Computer	37	15	756000.00
23	Network Simulation Software - NETSIM (05 users)	38	05 users	495600.00
24	Electromagnetic compatibility (EMC) and Electromagnetic interference (EMI)/radio-frequency interference (RFI) for real time regulatory testing and compliance of electronic and electrical products	39	1	460790.00

25	Electromagnetic compatibility (EMC) and Electromagnetic interference (EMI) / radio-frequency interference (RFI) - Handheld 3 axis RF meter with adjustable tripod for outdoor RF mapping, KML file mapping kit for Outdoor data representation (ICNIRP)	40	1	466100.00
26	Electromagnetic compatibility (EMC) and Electromagnetic interference (EMI)/radio frequency interference (RFI) - Array antenna Scanner with 8 port divider /summer module (Theta & phi adjuster), Ultra low loss cable adapter connector kit (consumables)	41	1	471410.00
27	E& H probe with cables and adapter kit (Near field leakage testing), LISN system & Isolation Transformer CISPR standard (conducted Emission test), Wideband Log periodic antenna as per EMI /EMC standard	42	1	425980.00
28	Per-amplifier for Fast faded signal, Transient Limiter for protection, Software for plotting, ESD MATT 15 Feet X 6 feet for EMC Lab	43	1	432470.00
29	EMC - EMI radio-frequency interference (RFI) – EMI receiver - CISPR 1-1-2 (Average, peak, quasi peak detector), Spot noise Generator, Motorize scan table for DUT with Touch screen / VPN control (suitable for phantom Human Head)	44	1	466100.00
	Total Cost			13435680.00