



INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad -500 043

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

LABORATORY DETAILS OF EQUIPMENT AND SOFTWARE


S. No	Name of the Laboratory	Equipment Details	Cost of the Equipment (Rs)
1.	Artificial Intelligence and Deep Learning	Computing Server: Make: Intel Model: M50FCP1UR204 Processor: 6430 32 Core 2.1 GHz 270W Memory: 32GB RDIMM 1 RANK 4800MHz Hard disk: 480GB 2280 SATA 1DW 5300 Pro Dual Hyper Hybrid Controller: M.2 Card RT3EX020E w/ HW RAID Operating system: Ubuntu 18.04 Core: 32 Storage Server: Make: Intel Model: M50FCP1UR204 Processor: 4410Y 12 Core 2 GHz 150W Memory: 32GB RDIMM 1 RANK 4800MHz Hard disk: 480GB 2280 SATA 1DW 5300 Pro Dual Hyper Hybrid Controller: M.2 Card RT3EX020E w/ HW RAID Operating system: Ubuntu 18.04 Core: 12	Rs 27,98,370/-
		Desktop Computer Systems –36 Nos Make: Lenovo Model: Think Center Neo 50s Configuration: 12 th Generation Intel Core I5 Processor, 16 GB DDR4 RAM, 512 GB SSD, Bluetooth, WiFi, 22” Monitor, Keyboard, Mouse	Rs 16,35,480/-
2.	Augmented Reality / Virtual Reality	Unity Education Licenses Unit (30 Users) Oculus Quest2, 256GB 8 Nos Oculus Link Cable 8 Nos Samsung Galaxy Tab S7 4 Nos Apple 2021 iPad Mini 4 Nos	Rs 20,73,260/-



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		<p>Desktop Computer Systems – 36 Nos Make: Lenovo Model: Think Center Neo 50s Configuration: 12th Generation Intel Core I5 Processor, 16 GB DDR4 RAM, 512 GB SSD, Bluetooth, WiFi, 22" Monitor, Keyboard, Mouse</p> <p>Software: Unity Software</p>	Rs 16,35,480/-
3.	Cloud Application Development	<p>Platform: Aneka Cloud Computing (Multi Cloud / Hybrid Cloud)</p>	Rs 8,00,000/-
		<p>Desktop Computer Systems – 30 Nos Make: Lenovo Model: Think Center Configuration: 12th Generation Intel Core I5-Processor, 16 GB RAM, 512 GB HDD, Bluetooth, WiFi ,22" Monitor, Keyboard, Mouse</p>	Rs 9,75,000/-
4.	Big Data and Analytics Laboratory	<p>Desktop Computer Systems – 24 Nos Make: Lenovo Model: Lenovo M70C Configuration: 12th Generation Intel Core I5-Processor, 16 GB RAM, 512 GB HDD, Bluetooth, WiFi, 22" Monitor, Keyboard, Mouse</p> <p>Software: R Studio 1.1, Python 3.11</p>	Rs 10,90,560/-
5.	Digital Image Processing Laboratory	<p>Software: MATLAB 18.0 Tool Box: Simulink, DSP System Deep Learning, Fuzzy Logic, Optimization ,Signal Processing, System Identification, Text Analytics, Statistics and Machine Learning</p>	Rs 12,23,631/-
		<p>Desktop Computer Systems – 24 Nos Make: Acer Model: VT.BH5SI48821 Configuration: 11th Generation Intel Core I5-Processor, 16 GB RAM, 500 GB HDD, Bluetooth, WiFi ,22" Monitor, Keyboard, Mouse</p>	Rs 9,24,000/-




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