

List of Equipment to be purchased

ELECTRICAL ENGINEERING DEPARTMENT

S.No.	NAME OF EQUIPMENT	QUANTITY
1.	Capability Enhancement of Existing Opal-RT Real Time Simulator for Advanced Power System Applications	1
2.	Phasor Measurement Unit (PMU)	3
3.	Solar Module Analyzer	1
4.	Thermal Analyzer	1
5.	Microgrid HIL Testbed	1

CIVIL ENGINEERING DEPARTMENT

S.No.	NAME OF EQUIPMENT	QUANTITY
1.	Video Gauging Apparatus	1
2.	Loaded Wheel Tester	1
3.	Shultz Bruer Abrasion Tester	1
4.	Wheel Rut Tester	1
5.	Traffic Studies Equipment	1
6.	Ultrasonic Pulse Eco Tester	1
7.	Abaqus Software (Simulia Extended Research Edition – 5 user Licence)	1

DEPARTMENT OF APPLIED SCIENCE

S.No.	NAME OF EQUIPMENT	QUANTITY
1.	Upgradation of VNL/ATK Software(4 Licenses)	1
2.	Photonics Design Software (VPI) – Single License	1
3.	Lingo Software (Latest Version) – 5 User N/W License	1
4.	OTDR (Optical Time Domain Reflectometer) – Dual Wavelength (1550/1310 nm)	1
5.	Optical Fiber Training System – LD & APD based	LS
6.	LED Display	2
7.	Oscilloscopes	2

MECHANICAL ENGINEERING DEPARTMENT

S.No	NAME OF EQUIPMENT	QUANTITY
1.	Additive Manufacturing Setup	1

S.No	NAME OF EQUIPMENT	QUANTITY
2.	Collaborative Robot Setup	1
3.	Upgradation of FlexSim Software including interfacing with existing FMS [5 user software + interfacing software & hardware]	LS
4.	CNC Simulation Setup [for turning and machining]	1 each
5.	Contactless Surface Roughness Tester	1
6.	Hardware and Software for IIoT	LS
7.	Data Storage System	1
8.	CAD/CAM Software	
	a) Master CAM [5 users licence - Educational]	
	b) Solid CAM [5 users licence - Educational]	
	c) ADAMS [1 and 5 users licence - Educational]	
	d) LS Dyna [1 and 2 users licence - Educational]	
	e) Flux Electromagnetic Software [5 users licence - Educational]	

COMPUTER SCIENCE DEPARTMENT

S.No	NAME OF EQUIPMENT	QUANTITY
1.	Servers	2
2.	NAS Storage	
3.	Provision and installation of networking in residential campus	
4.	Standby UTM with authenticator	
5.	SOFTWARE	
	a) Grammerly	
	b) Antivirus	
	c) Steller Data Recovery	
	d) Netsim	
	e) WhatsUP Gold (NMS)	
	f) Qualnet	
MISCELLANEOUS		
6.	UPS Batteries and racks	

ETV DEPARTMENT

S.No	NAME OF EQUIPMENT	QUANTITY
1.	Teleprompter	1
2.	Camera	1