

## Appendix-I

Sr. No.	Name of the item with Specification				Qty.
1.	Assembly Units – Quadcopter  <b>Remarks:</b> Compatible with Mission Planner and QGC	Frame	450mm Standard Quadcopter Frame		6 Units
		Motor	935KV BLDC Motor		
		ESC	30 A		
		Battery	5200mAh, 3S		
		Propellers	1045 or 8045 ABS		
		GPS	NEO-M8N GPS Module with Compass		
		Flight Controller	Pixhawk 2.4.8		
		Telemetry	915Mhz, 100 W		
		Miscellaneous	Vibration control kit, Connectors, Wires		
2.	Assembly Units Hexacopter  <b>Remarks:</b> Compatible with Mission Planner and QGC	Frame	550 mm		2 Units
		Motor	935KV BLDC Motor		
		ESC	45 A		
		Battery	4S, 8000 mAh		
		Propellers	1045 or 8045, ABS		
		GPS	NEO-M8N GPS Module with Compass		
		Flight Controller	Pixhawk 2.4.8		
		Telemetry	915Mhz, 100 W		
		Miscellaneous	Vibration control kit, connectors, Landing stand		
3.	<b>Battery:</b>				15 Nos.
	a. 3S/4S (Quad)				
	b. 6S (Hexa)				4 Nos.
	c. Multiple Charger unit				2 Nos.
	d. Battery cover and storage pack and misc.				8 Nos.
4.	Misc. Modules	Propellors	8 inch and 10-inch ABS	16-20 sets (each set 2CW & 2CCW)	1 Unit
		ESCs	30A and 45 A	10-12 units	
		Motors	935 KV BLDC	10-12 units	
		Camera	FPV and Thermal Camera	1 Thermal and 1-2 FPVs	
		Spare parts	Wires, Connectors etc.	All miscellaneous items should be compatible with assembly units.	

5.	PX4 Autopilot (Cube Orange)			2 Nos.
6.	PX4 Autopilot (2.4.8)			5 Nos.
7.	Robotic Education Kits  <b>Remarks:</b> Education Kits	Robotic Car	Arduino based, inclusive of IR, Ultrasonic sensors, Bluetooth module etc.	1 Unit
		IOT Robot	Arduinio based with all sensors	
		DIY Kits	MultiDOF biped robots, servo controlled robots	
		9-DOF Modules	IMU	
		Miscellaneous	Sensors, GPS, spare parts etc.	
8.	Ready to Fly unit (Fixed-wing) for classroom demonstration			1 Unit
9.	Fabrication Tools	Multimeter	Digital, with temperature sensing	1 Unit
		Soldering Units	Smart microcontroller based, with hot air gun, handheld unit, soldering unit	
		Calibration Setup	Sensor calibration test bench (IMU, Temperature, Pressure, Altitude, velocity etc.)	
		Electronic Components	Potentiometers, servos, resistors, capacitors etc.	
10.	DAQ (USB) 4-8 channel			1 Unit
11.	Telemetry unit RFD 900			2 pairs
12.	FrSky Taranis X9D Plus 2019 Digital Telemetry Drone Remote Control with R9M 2019 Module and R9MX Receiver- (Silver Colour)			1 Nos.