

Robotics

S.NO.	Component	Description	Quantity	Amount
1	Robotics Senior Kit	50+ Components, 100+ Nuts & bolts 5 different robots with the single kit	4	
2	Autonomous Robot	Its a 3D printed autonomous Dancing robot, which can be programmed to dance on different music.	4	
3	Trashbot	Its a 3D printed Hungary robot, which can be programmed to eat anything which we put in its tray.	4	
4	Robotic Arm	3D printed robotic arm which can be programmed to pick and place the things.	2	
5	Robotics 2 Wheel Chassis	This is used to make a base of a robotics project	40	
6	Castor Wheels	Provides free wheel movement to the Robot	40	
7	Motors	200 RPM Motors with a in-built feedback mechanism	80	
8	Wheels	These wheels double up as pulleys and have in-built tread to provide requisite friction	80	
9	Arduino UNO	It is a microcontroller based Open Source Development Board that can be used to control motors and take inputs from sensors	40	
10	Small Breadboards	Solderless 200 points Board	40	
11	Motor modules	Modules module is used to drive the robot motors	50	

S.NO.	Component	Description	Quantity	Amount
12	IR Sensors	Infra Red Sensors can be used to measure distance and color of an approaching object. Used to make Line follower robots, touch me not and follow me not robot	80	
13	Motion Detection Sensors	Uses the concepts of SONAR to identify distances from any object. Can be used to detect the object in front of it.	40	
14	Bluetooth Sensors	Can be used to control robot with Android phone.	15	
15	Light Sensor Modules	Can be used to control robot with the light source	25	
16	Sound Sensor Modules	Can be used to control robot with sound source	25	
17	Connecting Wires	Connecting wires to make a connection	100	
18	Adaptors	Adaptors for giving a power to the robot	8	
19	1.5 V Duracell	For giving a power	50	
20	9 V Batteries	For giving a power	120	
21	9 V Duracell Battery	For giving a power	10	
22	Connecting Wire Roll	Can be used to attach the circuit	5	
23	Hot Glue Guns	Electronics	3	
24	Glue gun sticks	Electronics	80	
25	Rechargeable Cells with charger	Electronics	8	
26	Rechargeable Battery with charger	Electronics	8	
27	Self Balancing Robotic Kit	Robotics	2	
28	Off Road Climbing Vehicle	Robotics	1	
29	Smart robot car 4WD	Robotics	1	
30	Intelligent turtle car learning	Robotics	1	

3D Printer Section

S.NO.	Component	Description	Quantity	Amount
1	3D printer with build volume of 150 mm x 150 mm x 150 mm	3D printer to build various prototypes, various shapes and models as per requirement	1	
2	3D printer Filament	PLA filament of various colors	3	
3	Scissors	Scissor for cutting purpose	2	
4	Mechanical Tools	Mechanical tools required in 3D printer	1	

Space & Astronomy

S.NO.	Component	Description	Quantity	Amount
1	CANSAT Kits	Cansat is a prototype of the satellites to have a real time experience of the satellite by having various sensors and Communication module	3	
2	Rocket	Amateur Rocket to have a real time rocket experience	2	
3	Hydro Rocket	Complete set of hydro rocketry tools to make a real hydrorocket and to understad the concept of the rocket	2	
4	Asteroid searching & Hunting	Different softwares for analysing the deep space to find the asteroids	5	
5	Reflector Telescope	125mm / 900mm reflector telescope to study the deep space objects like moon, planets, galaxies etc.	1	

Drone & Aeromodelling

S.NO.	Component	Description	Quantity	Amount
1	Drones	Drones under the weight of 1 KG	2	
2	RC Plane Material Frames	Different frames of different size and different shapes	10	
3	RC Plane Material	Motors to control	6	
4	RC Plane Material	Transmitter & Receiver	1	
5	RC Plane Material	Propellor fans	10	
6	RC Plane Material	Motors	3	
7	RC Plane Material	Mechanical Tools	1	

Electronics

S.NO.	Component	Description	Quantity	Amount
1	LEDs	Multicolor LEDs	1500	
2	Resistors	Different value resistors	700	
3	Battery Cap	Battery Connectors	500	
4	Breadboards	400 holes Breadboard	30	
5	Connecting Wires	Wire rolls	2	
6	Variable Resistors	Variable Resistors	200	
7	Different ICS	ICS	50	
8	Magnetic Sensor	Magnetic Sensors	20	
9	Light Sensors	Light Sensors	40	
10	Switches	Switches	100	
11	Transistors	Transistors	100	

Soldering Section

S.NO.	Component	Description	Quantity	Amount
1	Soldering Iron with stand	Electronics	8	
2	Solder Wire	Electronics	1	
3	Solder Paste	Electronics	5	

Internet Of Things

S.NO.	Component	Description	Quantity	Amount
1	Home Automation Kits	Kits for Home automation	2	
2	Weather forecasting	Kits for weather forecasting and controlled remotelly	2	

Wood & Carpentry

S.NO.	Component	Description	Quantity	Amount
1	Bamboos	Bamboos for making different projects	15	
2	Connecting wires	Connecting Wires	15	
3	Electronics Plate	LED Plate for light	20	
4	Warnish	Warnish for polishing	1	
5	Fevicol	Fevicol for pasting the material	1	
6	Sand papers	Sandpapers for rubbing	5	
7	Iron Nails	Different size Iron nails	1	
8	Hand Drill	Hand Drill	1	

Mechanical Tools

S.NO.	Component	Description	Quantity	Amount
1	Hacksaw Big	Hacksaw	2	
2	Hacksaw Small	Hacksaw Small	2	
3	Pliers	Pliers	2	
4	Wire cutting strippers	Wire cutters	3	
5	Screw Drivers small	Screw Drivers	20	
6	Screw Driver Big	Screw Driver	2	
7	Other Mechanical Tools	Mechanical Tools	1	

Artificial Intelligence

S.NO.	Component	Description	Quantity	Amount
1	Softwares for AI	Different softwares to learn Artificial Intelligence	1	

App Development, Web Development & Game Development

S.NO.	Component	Description	Quantity	Amount
1	Software for App Development	Different softwares for learning the App development which can be compatible with either Android or Apple store	1	
2	Game Development	Game development app or software to lean the Game development	1	
3	Web Development	Provide various softwares or platforms for Web Development	1	

Flex & Posters

S.NO.	Component	Description	Quantity	Amount
1	Flexes for Walls	Different Flexes for walls	1	
2	Frames	Different frames for walls	8	

Furniture

S.NO.	Component	Description	Quantity	Amount
1	Tables	Table set for students	6	
2	Chairs	Chairs for sitting	30	
3	Side Slabs	Slabs for material	1	