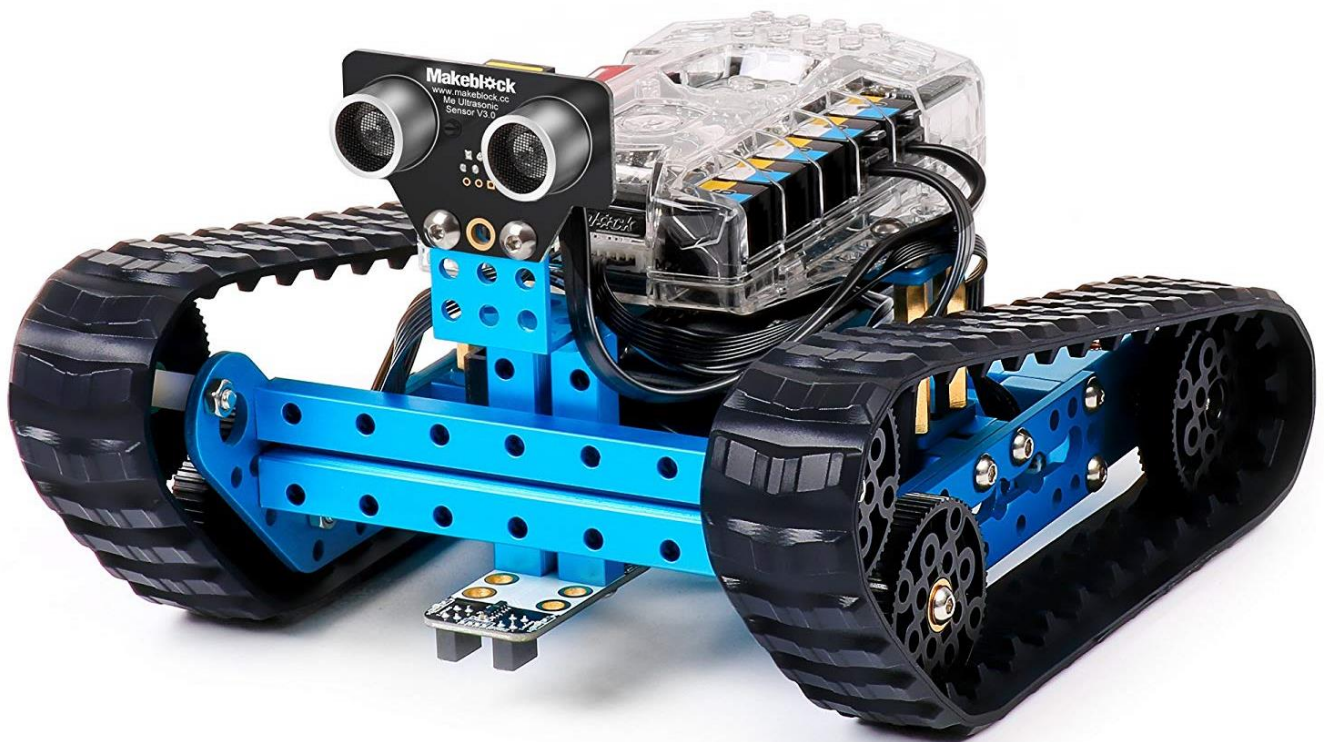




GOCARRIO

Atal Tinkering Lab

PACKAGE PROPOSAL



Let's join hands Today for a better Tomorrow

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Atal Tinkering Lab Proposal

Revered Principal/ ATL In-Charge,

Greetings!

We take immense pleasure in congratulating your school for getting shortlisted for the ATL grant under the Atal Innovation Mission of NITI Aayog, Govt. of India.

GOCARRIO is one of the trusted enlisted vendors of ATL equipment and is focused on imparting STEAM (Science, Technology, Engineering, Arts and Mathematics) concept in India through designing and making Innovative Electronic Devices, developing Software and implementing unique Robotics & IoT methodologies. Our mission is to bring Innovation Culture among students at an early age, which will help in empowering the Society & the Nation and finally making the World a better place to live in.

GOCARRIO ensures complete ATL solution which comprises of quality products and equipment as listed in the **ATL Packages (P1 to P4), Advanced Prototyping Kit, Laptops, Projector, Furniture for the ATL, Timely Training, Activity Guides, Assistance in Projects and Patenting the Innovation.**

Choosing GOCARRIO, which is one of the leaders in Robotics domain in Bihar-Jharkhand and has strong expertise to develop contents and methodology in this field, means timely setup of a fully functional ATL and technical support throughout the duration of the MoU as per the ATL Vendor guidelines of the NITI Aayog, Govt. of India.

S.No.	Package	Description	Price
1.	P1	Electronics Development, Robotics, IoT & Sensors	₹ 3,38,983
2.	P2	Rapid Prototyping Tools	₹ 84,745
3.	P3	Mechanical , Electrical and Measurement Tools	₹ 1,01,692
4.	P4	Power Supply & Accessories and Safety Equipment	₹ 16,949
Total (P1+P2+P3+P4)			₹ 5,42,369
GST @ 18%			₹ 97,628
Grand Total (Inclusive of GST)			₹ 6,39,997

We are very much glad to present our offer for setting up ATL at your school for your kind and favorable consideration.

***Kindly refer to the Annexure for complete details**

We at GOCARRIO are looking forward to a strong, enriching and long term relationship with a highly prestigious and renowned organization as of yours and assure our full commitment to the services we render.

Regards and Keep Innovating!

GOCARRIO Family



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Plan of Action

➤ Procurement of Equipments

- GOCARRIO will provide P1, P2, P3 & P4 ATL packages to the School.
- GOCARRIO will assist in Designing of the Lab.
- GOCARRIO will assist in Infrastructure Management of the Lab.
- GOCARRIO will assist in procurement of Computers, Projectors and equipment required for training.

➤ Installation, Training and Demonstration of Equipment to be used in ATL

- Training of Teachers/Students by GOCARRIO Engineering Team.
- Briefing of Course Curriculum and Training Methodology.
- Overview of Assignments & Projects for Students.
- Overview of Engineering Design Principles and Product Development.

➤ GOCARRIO Assistance for Activities at School

- Detailed Curriculum to teach and explain students about different concepts – ranging from ideation, design, proto-typing, networking to physical computing
- Periodic Exhibitions.
- Periodic Regional and National level Competitions.
- Workshops on problem solving, designing and fabrication of real life problems.
- Interactions with relevant academia and students from other schools and colleges and universities.
- Summer and Winter Camp design and support.

➤ GOCARRIO Engineers Support for ATL Training

- GOCARRIO Engineers will be visiting School as per the mode of Association
- GOCARRIO Engineers Support for Projects/Events/Training/Assessment

➤ GOCARRIO Assessment

- Quarterly Online Assessment
- Inter – ATL School Competition

➤ GOCARRIO ATL Review Meetings

➤ GOCARRIO Product Development and Innovation Methodology Support

- Selected students from each school will be invited to meet GOCARRIO R&D Team to convert ideas into reality.
- GOCARRIO Assistance for product prototyping in the field of Smart Cities, Smart Home Application, Smart Agriculture, Intelligent Transport System, Basic Wearable Devices, Connected Vehicles, Smart Parking, Women Safety System, Water Management, Smart Lighting, Industrial Robotics, etc.
- GOCARRIO will assist in Product Prototyping, PCB Designing, Programming and 3D printing.

➤ GOCARRIO Assistance for Patent of the Innovation

➤ GOCARRIO Assistance for Product Launch



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Annexure - I

Package 1 : Electronics Development, Robotics, IoT & Sensors

S. No.	Category	Name	Description	Qty.	Price/ unit	Amount	Image
1.	Electr. Dvlp.	Arduino UNO	ATmega 328P-8bit AVR family Microcontroller, Operating Voltage: 5v, Digital I/O pins:14, PWM Digital I/O pins:6, Analog pins:6	30	480	14400	
2.	Electr. Dvlp.	Arduino Nano	ATmega 328P-8bit AVR family Microcontroller, Operating Voltage: 5v, Digital I/O pins:14, PWM Digital I/O pins:6, Analog pins:8	10	270	2700	
3.	Electr. Dvlp.	Arduino Mega	ATmega 2560P-8bit AVR family Microcontroller, Operating Voltage:5v, Digital I/O pins:54, Analog pins:16	10	900	9000	
4.	Electr. Dvlp.	RASPBERRY Pi 3 Model B+	Raspberry Pi3 model B, (Including HDMI cable, Class 10A memory card,USB 3.0 cable, HDMI to VGA adapter)	5	4000	20000	
5.	Electr. Dvlp.	Breadboards & Mini Breadboards	Solderless 400 pins	30	70	2100	
			Solderless 800 pins	20	85	1700	
			Proto Shield	20	170	3400	
6.	Electr. Dvlp.	General Purpose Soldering Board	FR2 A Grade Material (140mm x 90mm)	30	45	1350	
			FR2 A Grade Material (80 mm x 55 mm)	30	35	1050	
			Female Berg Strip 40 pins single row	30	9	270	
			Male Berg Strip 40 pins single row	30	6	180	
7.	Electr. Dvlp.	16x2 LCD Display, I2C	Dot matrix LCD display with 16 characters & 2 lines	20	155	3100	
8.	Electr. Dvlp.	USB Cables	USB Cable Set (A to B, 12 inch or more)	10	45	450	
			USB Cable Set (Mini, 12 inch or more)	10	40	400	
9.	Electr. Dvlp.	Battery	9 Volt Rechargeable Battery with 2 Charger	10	720	7200	
10.	Electr. Dvlp.	Resistor Kit	Resistors of varying resistance	20	70	1400	
11.	Electr. Dvlp.	Capacitor Kit	1 kit contains 20 Electrolyte capacitors	20	70	1400	
12.	Electr. Dvlp.	Linear Voltage Regulator	7805, 7812,7809	30	10	300	
13.	Electr. Dvlp.	Water Pump Module	Submersible Water Pump- 12V, DC	4	255	1020	
14.	Electr. Dvlp.	Piezoelectric Plate	Normal copper based	30	15	450	



Annexure - I

Package 1 : Electronics Development, Robotics, IoT & Sensors

S. No.	Category	Name	Description	Qty.	Price/ unit	Amount	Image
15.	Electr. Dvlp.	8 X 8 LED Matrix Module	Max 7219 Dot LED Matrix Module MCU control LED Display Module	10	170	1700	
16.	Electr. Dvlp.	Bluetooth Module	HC 05 working voltage 5 Volt	15	300	4500	
17.	Electr. Dvlp.	7 Segment LED Display	LED 4-digit Display Module for Arduino.	20	125	2500	
18.	Electr. Dvlp.	GSM Module	SIM 800L Gers Transfer board micro Sim core Ttl port module for Arduino	4	650	2600	
19.	Electr. Dvlp.	GPS Module	GY NEO6MV2 New GPS Module	4	800	3200	
20.	Electr. Dvlp.	Laser Diode Emitter	650Nm, 6mm, 5V DC, 5mw mini Laser dot diode module	10	55	550	
21.	Electr. Dvlp.	LDR Module	Photosensitive LDR light sensor module	30	63	1890	
22.	Electr. Dvlp.	Keypad	Universal 16 Key switch keypad	10	82	820	
23.	Electr. Dvlp.	Joystick	Joy stick module for Arduino	10	95	950	
24.	Electr. Dvlp.	Active Buzzer	Small 5 volt	40	13	520	
			Big 5 volt	40	18	720	
25.	Electr. Dvlp.	Motor Driver	L293D Motor Driver Module	10	95	950	
26.	Electr. Dvlp.	Sound Playback Module	Recorder Playback Module, On Board Microphone with Mic Sound, Audio Loudspeaker	10	180	1800	
27.	Electr. Dvlp.	DC Plastic Gear Motor with Wheel	12V, Side shaft BO motor	40	100	4000	
28.	Electr. Dvlp.	Node MCU	WIFI Internet Development Board Module, NodeMCU, ESP8266, I2C, plug and play	6	410	2460	



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Annexure - I

Package 1 : Electronics Development, Robotics, IoT & Sensors

S. No.	Category	Name	Description	Qty.	Price/ unit	Amount	Image
29.	Electr. Dvlp.	WeMos D1 R2	WeMos D1 R2 Board ESP8266 Mini-WiFi Board Operating Voltage: 3V	6	850	5130	
30.	Electr. Dvlp.	Vibrating Motor	Vibrating Motor, operating voltage 1.5 to 3V	20	40	800	
31.	Electr. Dvlp.	Alligator Connectors	Multi Colour Alligator Connectors (12 inch)	200	15	3000	
32.	Electr. Dvlp.	Battery Clips with DC Jack	9 volt battery clips with DC Jack	40	15	600	
33.	Electr. Dvlp.	Hookup Wires	Red & Black set 100 Meters each	4	350	1400	
34.	Electr. Dvlp.	Jumper Cable	Male-Male	1000	2	2000	
			Male-Female	600	2	1200	
			Female-Female	400	2	800	
35.	Electr. Dvlp.	RGB LEDs	Regular 5mm 3-5 volt Range	400	4	1600	
36.	Electr. Dvlp.	LEDs (Red)	Regular 3-5 volt Range	1000	1	1000	
		LEDs (Green)	Regular 3-5 volt Range	1000	1.25	1250	
		LEDs (Blue)	Regular 3-5 volt Range	1000	1.25	1250	
		LEDs (Yellow)	Regular 3-5 volt Range	1000	1.25	1250	
		LEDs (White)	Regular 3-5 volt Range	1000	1	1000	
37.	Electr. Dvlp.	Timer IC – LM 555	LM 555 Timer IC, Voltage range 4.5V to 16V	30	13	390	
38.	Electr. Dvlp.	Atmega16u2	8 bit microcontroller Voltage range 2.7V to 5.5V, Operating range -40°C to +80°C	10	160	1600	
39.	Electr. Dvlp.	Diode & Transistor Kit	Different Basic Diodes NPN Transistor 2N3904,BC547) PNP Transistor 2N3906,BC557)	3	150	450	
40.	Electr. Dvlp.	Button Switch Set	1 kit contains 100 Buttons of different type, Push, Toggle, Rotatory, Selector and Side Switch	3	250	750	
41.	Electr. Dvlp.	Capacitive Touch Module	MPR121 with i2c Voltage range 2.5V to 3.6 V DC	20	295	5900	
42.	Electr. Dvlp.	Capacitive Touch Switch Module	Digital Capacitive Touch switch Module TTP223B, Voltage Range 2V to 5V DC	10	125	1250	



Annexure - I

Package 1 : Electronics Development, Robotics, IoT & Sensors

S. No.	Category	Name	Description	Qty.	Price/ unit	Amount	Image
43.	IoT & Sensors	IR Sensors, Obstacle AVOIDER Sensor Module	LM 393, Detection Angle 30°-40° Detection Distance:2-30 cm	20	87.4	1748	
44.	IoT & Sensors	Triple Axis Magnetometer	3-Axis Magneto Resistive Sensors I2C Digital Interface 160 Hz Maximum Output Rate	10	350	3500	
45.	IoT & Sensors	Humidity Sensor	Operating range: 20 - 95 % RH Temperature:0-60°C, Power supply: 1.5V AC	10	160	1600	
46.	IoT & Sensors	MQ Series	MQ-2 Smoke Detection	3	130	390	
			MQ-3 Alcohol - Ethanol Sensor	3	185	555	
			MQ-4 Methane Natural Gas Sensor	3	115	345	
			MQ-5 Methane Liquified Gas Sensor	3	215	645	
			MQ-6 Liquified Petroleum Gas Sensor	3	225	675	
			MQ-7 High Sensitivity CO (Carbon Monoxide) Sensor Detector	3	210	630	
			MQ-8 Hydrogen Gas Sensor	3	230	690	
			MQ-135 Air Quality Sensor	3	165	495	
47.	IoT & Sensors	IR Transmitter Receiver	TSOP 1738, Switching rate – 38 KHz Operating voltage 5V	10	35	350	
48.	IoT & Sensors	Ultrasonic Sensor Module HCSR-04	Working Voltage :5V DC, Range:1cm to 4m Effective angle < 15°	40	145	5800	
49.	IoT & Sensors	Triple Axis Accelerometer	3-axis sensing, Low Power: 350 µA Single-supply operation: 1.8 V to 3.6 V Temperature stability	10	350	3500	
50.	IoT & Sensors	PIR Motion Detector Module	Sensitivity range- 6m Power supply: 5V-12V	20	180	3600	
51.	IoT & Sensors	Pulse Rate Heart Sensor	Finger Based (wore on the finger), Working voltage: 3V-5V	4	350	1400	
52.	IoT & Sensors	Relay Module	2 Channel Compatible with Arduino	20	165	3300	
			1 Channel Compatible with Arduino	20	115	2300	
53.	IoT & Sensors	Big Sound Microphone Module	Large Electret Capsule sound Module	10	380	3800	
54.	IoT & Sensors	Soil Moisture Sensor Module	FC-28 with LM293 Operating Voltage: 3.3V - 5V	6	160	960	
55.	IoT & Sensors	Touch Sensor	Capacitive Touch Sensor Module Voltage Range: 2.4V - 5.5V	6	180	1080	



Annexure - I

Package 1 : Electronics Development, Robotics, IoT & Sensors

S. No.	Category	Name	Description	Qty.	Price/ unit	Amount	Image
56.	IoT & Sensors	Metal Touch Sensor Module	KY-036 or equivalent	6	170	1020	
57.	IoT & Sensors	Rain Drop Sensor	Rain Drop Detection Sensor Module Operating voltage 3.3V to 5.5V	6	150	900	
58.	IoT & Sensors	Flex Sensor	2.2 Inches	6	550	3300	
59.	IoT & Sensors	Temperature Sensor	LM35 Temperature Sensor Voltage Range: 4V-30V	6	150	900	
60.	IoT & Sensors	Temperature & Humidity Sensor Module	Voltage Range: 3V-5V	40	135	5400	
61.	IoT & Sensors	Force Pressure Sensor	Force sensitive resistor with a square shaped sensing area	4	750	3000	
62.	IoT & Sensors	Color Recognition Sensor	TCS3200 Colour Recognition Sensor	4	300	1200	
63.	IoT & Sensors	Water Flow Sensor	5V DC Input	4	350	1400	
64.	IoT & Sensors	Sound Sensor	Digital Sound Detector Sensor Module	10	120	1200	
65.	IoT & Sensors	IR Sensors Array Module for Line Following	8 IR Sensors Array for Line Following Operative Voltage: 5V	10	270	2700	
66.	IoT & Sensors	Power Bank	10000 mAh 5V	5	1250	6250	
67.	IoT & Sensors	RFID Reader – Tags	DC 3.3V Read range between 20 cm to 1 m	10	250	2500	
68.	IoT & Sensors	RF Modules Tx & Rx 315 MHz ASK	Supply Voltage: 3 – 6 V Output Power : 4 – 16 Dbm, Low power consumption, Easy application, Frequency Range: 433.92/315 MHz	10	150	1500	
69.	Robotics	Stepper Motor with Driver Board	5V Stepper motor & ULN2003 Driver Board	10	210	2100	
70.	Robotics	DC motor	12V, 150 RPM	20	180	3600	



Annexure - I

Package 1 : Electronics Development, Robotics, IoT & Sensors

S. No.	Category	Name	Description	Qty.	Price/unit	Amount	Image
71.	Robotics	Servo Motors	Position Servo Angle Based Metal Gear	10	350	3500	
			Small Servo Metal Gear	10	310	3100	
			Continuous Metal Gear Servo 360	10	400	4000	
			Small Servo Plastic Gear	40	150	6000	
72.	Robotics	150 RPM BO Motor	150 RPM BO Motor	10	100	1000	
73.	Robotics	L298P Motor Driver	L298P Motor Driver Extension Module Drive for Arduino	10	150	1500	
74.	Robotics	Servo Motor Tester	Steering Gear Tester Servo Motor Tester	4	200	800	
75.	DIY Kit	Robotics DIY Kit	Robotics DIY kit with Programmable brain	3	5250	15750	
76.	DIY Kit	Mechanical Construction Kit	Mechanical Construction kit compatible with Electronic Equipment	5	4750	23750	
77.	STEM Learning/ Application Kit	Drone Kit	Outer blade frame, Additional blade, Launching stand, USB Battery Charger, User manual, DIY kit	1	20000	20000	
		Aerospace Kit	Propeller based Aeromodelling kit	1	5600	5600	
		Automobile Kit	Model for Demonstration of working of 2 stroke & 4 stroke engine	1	5000	5000	
		Bio-Medical Kit	Blood Pressure & Blood Group measuring kit PH paper testing kit	1	5500	5500	
		Agri-Tech Kit	Soil testing kit	1	5700	5700	
		Water / Sanitation Kit	Water hardness testing kit	1	4900	4900	
		Bio-Tech Kit	DNA extraction from cheek cells Lactometer for Milk Adulteration Glucose testing kit	1	5800	5800	
		Other Potential STEM Application Kit	1X DIY Gravity Kit 1X DIY Hydraulics arm kit	1	5000	5000	
TOTAL Package 1 (P1) Cost (Without GST)						₹ 3,15,840	








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Annexure - I

Package 2 : Rapid Prototyping Tools

S. No.	Category	Name	Description	Qty.	Price/ unit	Amount	Image
1.	Rapid Prototyping	3D Printer Kit and Tools	Sturdy metal frame, Heat & Warp-resistant, Heavy-duty z-axis guide rod, Acrylic cover to insulate and protect ABS prints, Integrated LCD screen and button board	1	65000	65000	
2.	Rapid Prototyping	Power Back-Up	1 kVA UPS	1	11000	11000	
3.	Rapid Prototyping	Filament for 3D Printer	PLA filament 750gm	5	1286	6430	
4.	Rapid Prototyping	Filament Storage Box	For storing the 3D printer filaments.	5	180	900	
5	Rapid Prototyping	Set of Art & Craft Accessories	Cardboard	5	80	400	
			Foam Core Boards	5	50	250	
			String (20 m)	5	15	75	
			Rubberband	100	1.5	150	
			Popscicle Sticks	100	2	200	
Wood Glue(500 mL)	2	170	340				
TOTAL Package 2 (P2) Cost (Without GST)						₹ 84,745	




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Annexure - I

Package 3: Mechanical, Electrical and Measurement Tools

S. No.	Category	Name	Description	Qty.	Price/ unit	Amount	Image
1.	Mechanical Tools	Hacksaw Frame	12 inches long	1	250	250	
2.	Mechanical Tools	Hacksaw Blades	12 inches long	10	10	100	
3.	Mechanical Tools	Mini Hacksaw Frame	6 inches long	1	150	150	
4.	Mechanical Tools	Mini Hacksaw Blades	6 inches long	10	10	100	
5.	Mechanical Tools	Pliers	External Straight	1	280	280	
			Nose Circlip Plier	1	280	280	
			Long Nose Plier	1	200	200	
			Combination Mini Plier	1	220	220	
			Wire Stripping Plier	1	230	230	
			Bent Nose Plier	1	210	210	
			Needle Nose Plier	1	230	230	
6.	Mechanical Tools	Tweezer Set	6 inches long	2	410	820	
7.	Mechanical Tools	Ball Peen Hammer	Hammer's head weight- 350 gm	1	220	220	
8.	Mechanical Tools	Steel Shaft Claw Hammer	Hardened and tempered tubular steel shaft for strength	1	240	240	
9.	Mechanical Tools	C-Clamp	Metallic C-clamp	4	285.5	1142	
10.	Mechanical Tools	Allen Key Set	Hexagonal Allen Key Wrench Set	1	250	250	
11.	Mechanical Tools	Drill Machine Set	Powerful Impact Drill Machine Kit with Tools and Accessories	1	3000	3000	
12.	Mechanical Tools	Drilling Workstation	Drilling Workstation, Drill Press, Rotary Tool Holder	1	2100	2100	
13.	Mechanical Tools	Spanner Set	Ratchet Spanner Set	1	450	450	



Annexure - I

Package 3: Mechanical, Electrical and Measurement Tools

S. No.	Category	Name	Description	Qty.	Price/ unit	Amount	Image
14.	Mechanical Tools	Table Top Vice	Table top vice fitted to the table	1	1900	1900	
15.	Mechanical Tools	Precision Screw Driver Set	Ratcheting Screwdriver Set	2	310	620	
16.	Mechanical Tools	Wrench	Adjustable Universal Wrench	2	285	570	
17.	Mechanical Tools	Wire Strippers	Wire Stripper Plier With Spring	5	120	600	
18.	Mechanical Tools	Screwdriver Set	40 pc Multi-Purpose Screwdriver Set	3	200	600	
19.	Mechanical Tools	Cordless Rotary Multitool Set	Cutting, Grinding, Polishing, Engraving and Drill Bits	1	7500	7500	
20.	Mechanical Tools	Air Blower	230V, 620W, 1.7 Kg, Speed Setting	1	950	950	
21.	Mechanical Tools	Drill Bit Set	Drill bits set for wood, iron, Aluminium, Plastic, etc.	1	500	500	
22.	Mechanical Tools	File set	Working length 6 inches	1	750	750	
23.	Mechanical Tools	Mini File set	Working length 3 inches	1	635	635	
24.	Mechanical Tools	Flexible Cutting Mat	Mat With Marked Patterns and Grids	1	450	450	
25.	Mechanical Tools	Plastic Storage Drawer/ Organiser	Compact Plastic Tool Box with Organizer	2	3200	6400	
26.	Mechanical Tools	Pegboard	5' x 3' Peg Board to mount tools on wall	2	2500	5000	
27.	Electric Tools	Hot Glue Gun	60/100 watt Hot Melt Glue Gun	4	790	3160	
28.	Electric Tools	Digital Oscilloscope	25 MHz Dual Channel Digital Oscilloscope	1	16000	16000	
29.	Electric Tools	Soldering Kit	Soldering Iron: 15-30 watts/ 230 V Soldering wire, Soldering Flux, De-soldering Pump	4	3350	13420	



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Annexure - I

Package 3: Mechanical, Electrical and Measurement Tools

S. No.	Category	Name	Description	Qty.	Price/ unit	Amount	Image
30.	Electric Tools	Adapters	DC Power Adapter, 5V, 2A	10	150	1500	
			DC Power Adapter, 12V, 2A	10	250	2500	
31.	Electric Tools	Electric Screw Driver Set	Multi-purpose Electric Screw Driver Set	1	1500	1500	
32.	Electric Tools	Dual Temperature Heat Gun	1500 watt dual temperature heat Gun	1	1600	1600	
33.	Electric Tools	Soldering Helping Hand	Magnifying Lens, Soldering iron Holder, Adjustable Holding clip	4	800	3200	
34.	Measurement Tools	Return Measuring Tape	5 m long Return Measuring Tape	2	120	240	
35.	Measurement Tools	Stainless Steel Rule	300 mm Stainless Steel Rule	5	30	150	
36.	Measurement Tools	Digital Vernier Caliper	150 mm Digital Vernier Caliper	2	1000	2000	
37.	Measurement Tools	Spirit Level	12 inches Spirit Level	1	350	350	
38.	Measurement Tools	Digital Pen Electric Tester	Can check voltage range, Locate breakpoint of wire, Check flow of current wire	1	125	125	
39.	Measurement Tools	Digital Multi Meter	Digital multi meter for AC/DC current, voltage, resistance & continuity measurements	5	900	4500	
40.	Biology Kit	Microscope	Foldscope Paper DIY Microscope	5	300	1500	
41.	Astronomy Equipment	Telescope	Suitable for Terrestrial & Astronomical Use	1	7000	7000	
42.	Textile Equipment	Sewing Kit		1	6000	6000	
TOTAL Package 3 (P3) Cost (Without GST)						₹ 1,01,692	



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Annexure - I

Package 4: Power Supply & Accessories and Safety Equipment

S. No.	Category	Name	Description	Qty.	Price/ unit	Amount	Image
1.	Power Supply & Accessories	Glue Sticks	Glue Sticks for Hot Glue Gun	100	10	1000	
2.	Power Supply & Accessories	Nuts and Bolts and Screw	Various Size 20 packets	40	80	3200	
3.	Power Supply & Accessories	Cable Tie	Small - pack of 100	10	80	800	
			Medium - pack of 100	10	100	1000	
			Big - pack of 100	10	120	1200	
4.	Power Supply & Accessories	Sand Paper	5 nos. of each Grit Values-80, 100, 120, 200, 300	10	70	700	
5.	Power Supply & Accessories	Power Strip Adaptors	Plug with safety fuse standard quality extension	5	300	1500	
6.	Power Supply & Accessories	Bulb Holders	Regular Bulb holder	10	20	200	
7.	Power Supply & Accessories	Electric Wires	Twisted Red Black pair	20 m	15	300	
8.	Power Supply & Accessories	USB to DC jack cable	To operate components with DC jack through Power Bank	10	50	500	
9.	Safety equipment	First-Aid Kit	Standard First Aid Kit	2	274.5	549	
10.	Safety equipment	Fire extinguisher	Powder Type Fire Extinguisher 2KG	2	1050	2100	
11.	Safety equipment	Safety goggles	For safety against smoke from soldering and chemical splash	30	80	2400	
12.	Safety equipment	Safety Gloves Pairs	Medium size Latex coated gloves	10	50	500	
13.	Safety equipment	Safety Mask	High Filtering Efficiency Safety Mask	20	50	1000	
TOTAL Package 4 (P4) Cost (Without GST)						₹ 16,949	



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Annexure - I

Advanced Prototyping Kit

S. No.	Category	Name	Description	Qty.	Price/ unit	Amount
1.	Advanced Prototyping Kit	LEGO Education	This kit consists of more than 500 parts with a powerful controller, Motors and Sensors. Various models can be made from it. It supports Basic to Advance level of programming.	1	₹ 43,250	₹ 42,250*

*GST extra as applicable

Laptop Computer Package

S. No.	Category	Name	Description	Qty.	Price/ unit	Amount
1.	Laptop Computer	HP/ Lenovo/ Acer/Dell/ Equivalent	14", core i3, 4GB, 1TB	1	₹ 33,950	₹ 33,950*
			14", core i5, 8GB, 128GB	1	₹ 40,585	₹ 40,585*
			15.6", core i5, 8GB, 128GB	1	₹ 51,815	₹ 51,815*

*18% GST extra

Projector Package

S. No.	Category	Name	Description	Qty.	Price/ unit	Amount
1.	Projector	Egate/ Uni/ Ooze/ Equivalent	HD 1920 x 1080, HDMI-USB-VGA 120" HD Display	1	₹ 9,500	₹ 9,500*
		Benq/ Epson/ Hitachi/ Equivalent	Full HD 1080p, 3200 ANSI Lumens, high contrast ratio of 13000:1	1	₹ 28,950	₹ 28,950*

*28% GST extra

Branding Material Package

S. No.	Category	Name	Description	Qty.	Price/ unit	Amount
1.	3D ATL Board	Acrylic	5 feet X 2 feet	1	₹ 25,000	₹ 25,000*
2.	ATL Lab sinages	Sunboard	2 feet X 1 Feet	12		
3.	Niti Aayog ATL Branding	Sunboard for Outside of the lab	3 feet X 1.5 feet	1		
4.	Niti Aayog ATL Branding	Sunboard	3 feet X 1.5 feet	12		
5.	Niti Aayog ATL Branding	Sunboard	3 feet X 3 feet	3		

*18% GST extra

Terms: Price valid only if Furniture Package is ordered together with Package P1 to Package P4. Prices are not valid otherwise.



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Annexure - I

Furniture Package

S. No.	Category	Name	Description	Qty.	Price/ unit	Amount
1.	Activity table	Wooden border, MDF, Pre laminated surface and wooden stand	8 feet x 4 feet	1	₹ 11,050	₹ 11,050
2.	Work Table for 3D printer	Metal (frame & legs) MDF Pre-laminated	4 feet x 4 feet	1	₹ 7,350	₹ 7,350
3.	Work Table for Drilling station	Metal (frame & legs) MDF Pre-laminated	4 feet x 4 feet	1	₹ 7,350	₹ 7,350
4.	Soldering station with utility shelf	Metal (frame & legs) MDF Pre-laminated	4 feet x 2 feet	2	₹ 4,250	₹ 8,500
5.	Computer table	MDF Pre-laminated	4 feet x 2 feet	2	₹ 4,350	₹ 8,700
6.	Work Table	Metal (frame & legs) MDF Pre-laminated	3 feet x 3 feet	6	₹ 5,150	₹ 30,900
7.	Stools	Plastic/Metallic with cushion	Standard Size	30	₹ 500	₹ 15,000
8.	Almirah	MDF Pre-laminated with Lock	6 feet x 3 feet	1	₹ 7,500	₹ 7,500
Total						₹ 96,350*

*18% GST extra

Terms: Price valid only if Furniture Package is ordered together with Package P1 to Package P4. Prices are not valid otherwise.

TRAINING & CURRICULUM

- ✓ Six (6) days ATL and product training at the school - Free of Cost.
- ✓ Instruction Manual for all the DIY kits.
- ✓ Access to GOCARRIO Digital Classroom, Freeware, Video guides for various projects.
- ✓ One (1) follow up visit every month.
- ✓ Throughout the Year Support (Online, Telephonic and Video) by our Gems.
- ✓ Instant Guidance for patenting the Innovation.
- ✓ Free of cost Support for events such as Tinker fest, ATL Marathon, etc.
- ✓ Help the students be Competition ready for Challenges like FLL, WRO, etc.

TERMS OF SALE

- ✓ **Delivery Time:** 3-4 weeks from the date of commercially clear purchase order.
- ✓ **Freight Charges:** Included in the prices quoted.
- ✓ **Preferred Payment:** At least 40% Advance and the rest after lab setup.
- ✓ **Warranty:** As per ATL Guidelines.
- ✓ **AMC:** As per ATL Guidelines.
- ✓ Prices Quoted only as Packages.
- ✓ Purchase Order to be issued in favor of GOCARRIO.
- ✓ GST shall be charged extra as applicable at the time of Invoice.
- ✓ The images used on the ATL Proposal are for reference and do not reflect the actual configuration of the product.
- ✓ All queries should be addressed to atl@gocarrio.com.

BRANDING MATERIAL

ATL


ATAL TINKERING LAB



Atal Tinkering Labs
Nurturing Young Minds to Innovate.




Play area. Only if you want to play with science.



ATAL TINKERING LABS

FROM DREAMS IN 3D TO 3D PROTOTYPES.



With multiple technologies at their disposal, students will be able to see their ideas through to their rightful conclusions and solve challenges they see in their communities.




ATAL TINKERING LABS

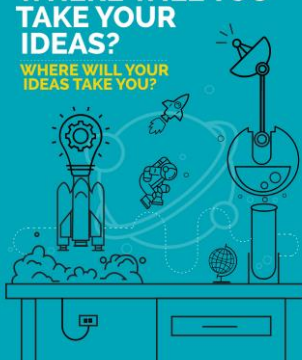

CURIOSITY. CREATIVITY. IMAGINATION. THE REAL SKILLS OF THE FUTURE.




The primary goal of Atal Tinkering Labs is to foster the spirit of experiment and creativity in young minds so that they are well-equipped to solve global problems with their unique perspectives.




WHERE WILL YOU TAKE YOUR IDEAS?
WHERE WILL YOUR IDEAS TAKE YOU?



IDEATING



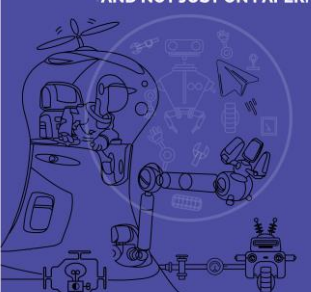
Observe. Identify. Solve.



BRINGING IDEAS TO LIFE. In 3D.

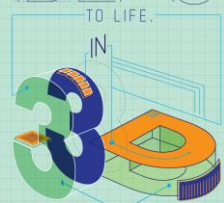





MAKE YOUR IDEAS WORK. AND NOT JUST ON PAPER.




ATAL TINKERING LABS

BRINGING IDEAS TO LIFE. IN 3D.


PHYSICAL COMPUTING



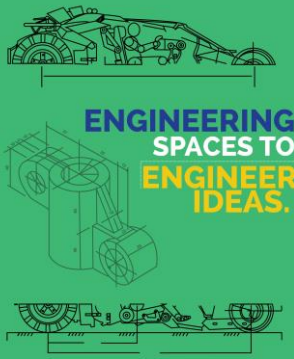

Physical Computing as an ATL module provides hand-on experience of basic coding & more.

3D PRINTER


ELECTRONICS



ENGINEERING SPACES TO ENGINEER IDEAS.

COMPUTATIONAL THINKING



ATLs help students develop ideas into a robust step-by-step solution using technology.

ROBOTICS & STEM

INTERNET of THINGS (IoT)



DESIGN THINKING



ATLs encourage Design Thinking so students can practice & solve problems


SAFETY AREA

ASSEMBLY AREA


WORK BENCH 01

WORK BENCH 02

MECHANICAL TOOLS



DIGITAL LITERACY



A Tinkering Lab enables students to create & innovate using technology.

SOLDERING STATION 01

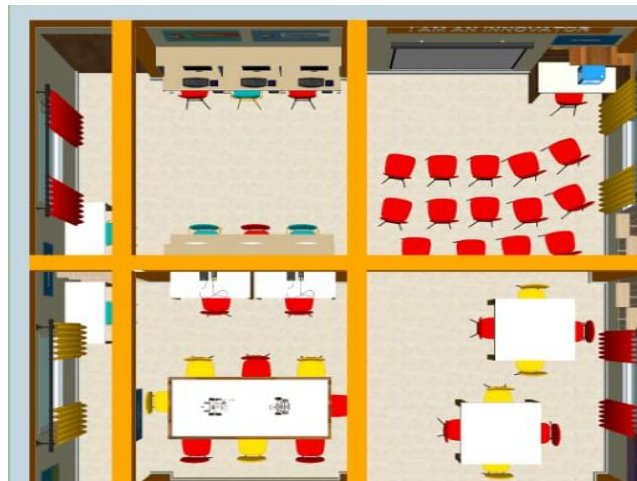
SOLDERING STATION 02

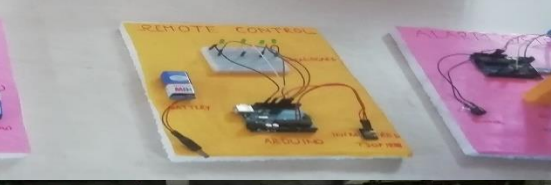
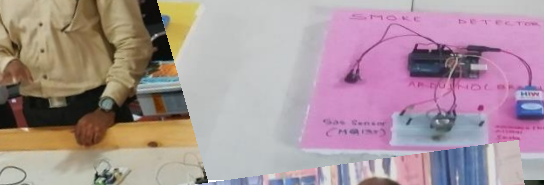
DRILLING STATION

ATAL TINKERING LAB

3D LAYOUT

Sample 3D Layouts







Regional Offices in

BIHAR

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