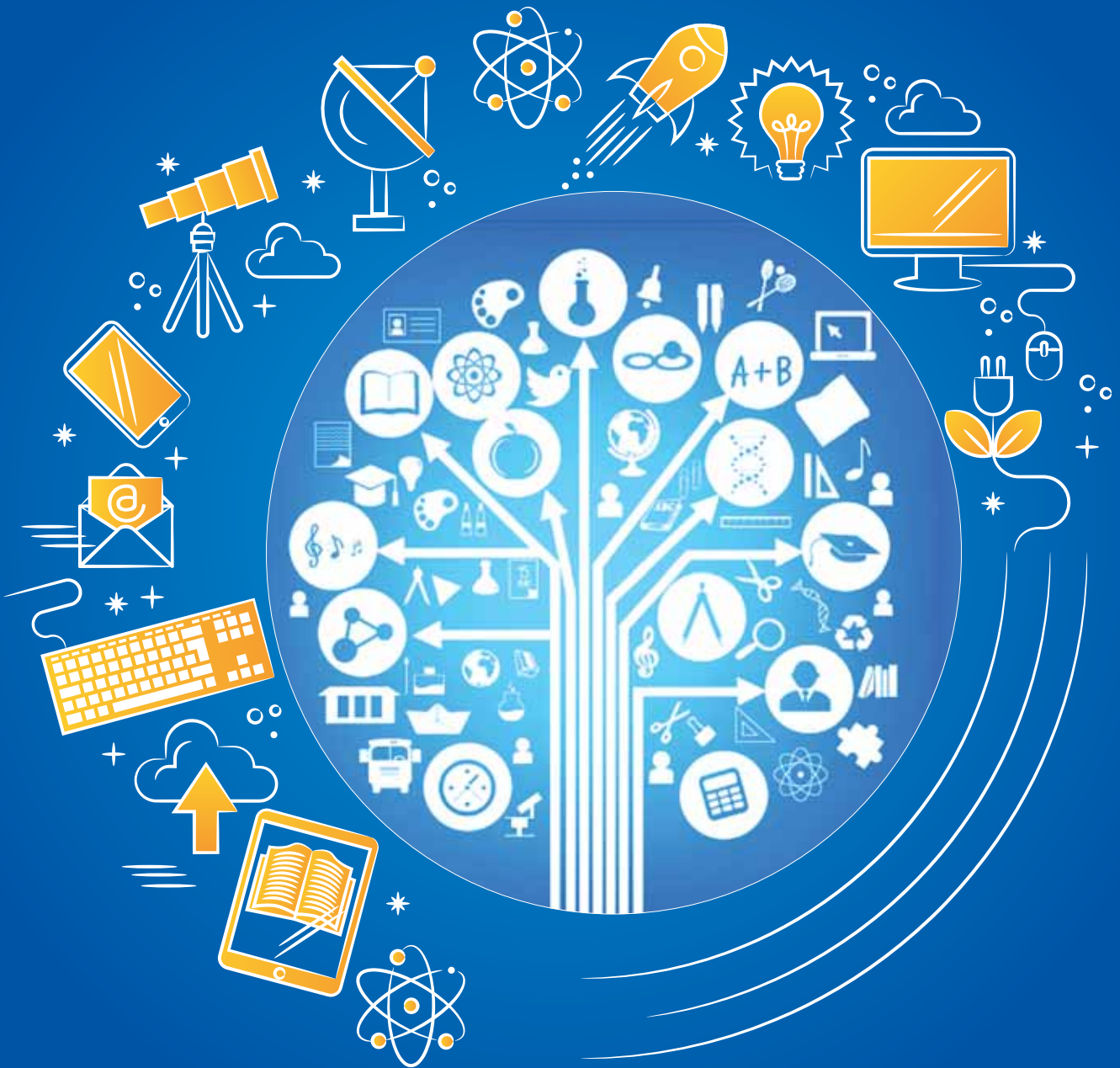




ATAL TINKERING LAB PACKAGE PROPOSAL



VAGMINE TECHNOLOGIES

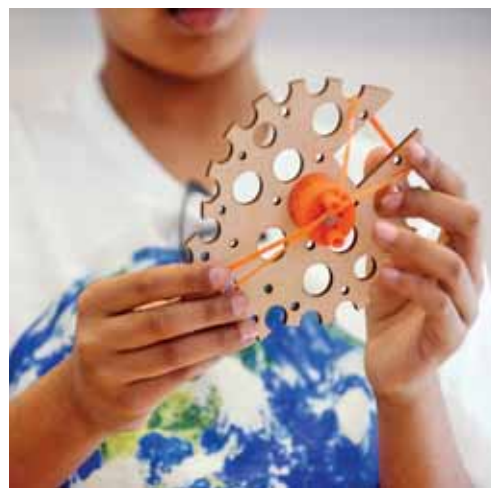
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Homemade
Inventor's Box



“Children thrive when they have the opportunity to learn by doing.”

ATAL TINKERING LAB PACKAGE PROPOSAL

Tinkering Labs is a project undertaken by the government of India to foster innovation and creativity amongst the students of India. This project aims at developing a core skill set among the youth that comprises of design mindset, computational thinking, adaptive learning, physical computing etc.

Atal Tinkering Labs are dedicated works spaces where students (Class 6th to class 12th) learn innovation skills and develop ideas that will go on to transform India.

The lab activities are designed to spur the spark of creativity, and go beyond regular curriculum and text book learning, The labs will let students explore skills of future such as design and computational thinking, adaptive learning and artificial intelligence.

Additionally, it gives inculcates the habit of a hands-on learning approach and practical problem-solving. The labs are powered to acquaint students with state-of-the-art equipment such as 3D printers, robotics & electronics development tools, IOT, sensors etc.

We have been included in the list of vendors for the supply and set up of Tinkering Labs for the Schools.





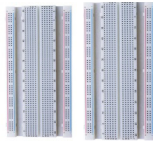




Our offer for the ATL Lab Equipment as follows for your kind consideration:

SN	Package	Description (For 60 Students Batch)
1	P1	Electronics Development, Robotics, Internet of Things and Sensors
2	P2	Rapid Prototyping Tools
3	P3	Mechanical, Electrical and Measurement Tools
4	P4	Power Supply & Accessories and Safety Equipment

NOTE: Price for the batch of 60 and 90 Students will be provided on request only.

We Anticipate the possibility to working with you in the future.







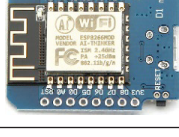





ATAL TINKERING LAB PACKAGE PROPOSAL (For 60 Students)

Package 1: Electronics Development, Robotics, Internet of Things and Sensors					
SN	Product Make	Product Name	Description	QTY 60 Students	Product Image
1	Arduino	Arduino UNO or compatible microprocessor & microcontroller	ATmega 328P-8bit AVR family microcontroller, operating voltage: 5v, Digital I/O pin 14,PWM digital I/O Pins:6	30	
2	Arduino	Arduino Nano	ATmega 328P-8bit AVR family microcontroller, operating voltage: 5v,Digital I/O pin 14,PWM digital I/O Pins:6,Analog input pins:8	10	
3	Arduino	Arduino Mega	ATmega2560 P-8bit AVR family microcontroller, operating voltage: 5v,Digital I/O pin 54,,Analog input pins:16	10	
3	Raspberry pi	Raspberry pi3	Raspberry pi3 model B, (Including HDMI cable, Class 10A memory card), USB 3.0 cable, HDMI to VGA adapter.	5	
4	GL12	Breadboards & Mini Breadboard	Solderless 400 points	30	
			Solderless 800 Points	20	
	Arduino compatible		Self Adhesive Proto shield	20	
5	White Label	General purpose Soldering Board	FR2 A Grade Material (140*90mm)	30	
			FR2 A Grade Material (80*55mm)	30	
			Female Berg Strip 40 Pins	30	
			Male Berg Strip 40 Pins	30	
6	EW	9 Volt battery, multiple resistors and capacitors for electronics Project various Size	9V-12V, 2000Mha, Rechargeable Battery, with 2 charger, 9V 2000Mha-05 12V 2000Mha-05	10	
			Multiple Resistor, consist with diferent value	20	
			Multiple Capacitor (one kit consist 20 Electrolyte capacitor	20	
7	white Label	16x2 LDC display with I2C	Dot matrix LCD display with 16 characters x 2 lines	30	
8	Arduino compatible	USB Cable Set	USB Cable Set (A to B 12 inch)	10	

Package 1 : Electronics Development, Robotics, Internet of Things and Sensors

SN	Product Make	Product Name	Description	QTY 60 Students	Product Image
8	Arduino compatible	USB Cable Set	USB Cable Set Mini, 12 inch	10	
9	Fairchild	Line Voltage Regulator	7805	10	
			7812	10	
			7809	10	
10	White Label	Water Pump Module	DC 12V,4W,Submersible water Pump	4	
11	White Label	Piezoelectric Plate	Normal copper based 4cm Diameter	30	
12	Arduino compatible	8*8 LED Matrix Module	Max 7219 Dot LED Matrix Module MCU control LED Display Module	10	
13	Arduino compatible	Bluetooth	HC 05 working voltage 5 Volt	15	
14	Arduino compatible	7 Segment LED Display	LED 4-digit Display Module w/t clock point /4 pin Du Pont line for Arduino.	20	
15	Arduino compatible	GSM	SIM 800L Gers Transfer board micro Sim core Ttl port module for Arduino	4	
16	Arduino compatible	GPS	GY NEO6MV2 New GPS Module	4	
17	Arduino compatible	Laser Diode	650Nm, 6mm, 5V DC, 5mw mini Laser dot diode module	10	
18	Arduino compatible	LDR Module	Photosensitive LDR light sensor module	30	


Package 1: Electronics Development, Robotics, Internet of Things and Sensors

SN	Product Make	Product Name	Description	QTY 60 Students	Product Image
19	Arduino compatible	Keypad	Universal 16 Key switch keypad	10	
20	Arduino compatible	Joy Stick	Joy stick module for Arduino	10	
21	White Label	Active Buzzer	Small 5 Volt	40	
			Big 5 Volt	40	
22	Texas	Motor Driver	L293D Moter Driver module	10	
23	Arduino compatible	Sound Play Back Module	Voice Board Recording Recorder Playback Module on Board Microphone with Mic Sound Audio Loudspeaker	10	
24	White Label	DC plastic gear motor with wheel	12V,150 RPM, Side shaft BO motor	40	
25	Arduino compatible	Node MCU / Wemos D1	WIFI Internet Development Board Module Node MCU, ESP8266, I2C,1 wire, plug and play	6	
26	White Label	Vibrating Motor	Vibrating Motor weight 10gram, operating voltage 1.5 to 3V	20	
27	White Label	Alligator Connectors	Multi Colour Alligator Connectors	200	
28	White Label	Battery clips with DC Jack	9 volt battery clips with DC Jack	40	
29	White Label	Hook-up Wires	Red & Black set 100 Meters each	4	
30	White Label	Jumper Cable	Male - Male	1000	
			Male-Female	600	
			Female -Female	400	

Package 1: Electronics Development, Robotics, Internet of Things and Sensors

SN	Product Make	Product Name	Description	QTY 60 Students	Product Image
31	White Label	RGB LEDs	Regular 5mm 3-5 volt Range	400	
32	White Label	LEDs (Red)	Regular 5mm 3-5 volt Range	1000	
33	White Label	LEDs (Green)	Regular 5mm 3-5 volt Range	1000	
	White Label	LEDs (Blue)	Regular 5mm 3-5 volt Range	1000	
	White Label	LEDs (Yellow)	Regular 5mm 3-5 volt Range	1000	
34	White Label	LEDs (White)	Regular 5mm 3-5 volt Range	1000	
35	White Label	Diode & Transistor Kit	one kit contains with 25 Assorted and 4 different type each (Different Basic Diodes kit 25 diode with 4 different type (1N4148, 1N4004, 1N4007, 1N4001) NPN Transistor 2N3904, BC547) PNP Transistor 2N3906, BC557)	3	
36	White Label	Push Button Switch	one kit contains 100 Buttons of different type, typepush, toggle, rotatry, selector and side switch	3	
37	Texas	555 Timer IC	LM 555 Timer IC, Voltage range 4.5V to 16V,	30	
38	ATMEL	ATmega16U2	8 bit microcontroller Individual IC (DIP) voltage range 2.7v to 5.5 volt, operating range -40°C to +80°C	10	
39	Arduino compatible	Capacitive Touch Module	MPR121 with i2cvoltage range 2.5V to 3.6 V DC	20	
40	Arduino compatible	Capacitive Touch Switch Module	Digital cap [acitive Touch switch Module TTP223B, volltage Range 2V to 5V DC	10	
41	Arduino compatible	IR Sensors Obstacle avoider Sensor Module	LM 393, Detection Distance:2-30 CM Detection Angle 30-40*	20	
42	Arduino compatible	Triple Axis Magnetometer	3-Axis Magneto resistive Sensors I2C Digital Interface Integrated 12-bit ADC Range of -8 to +8 Gauss 160 Hz Maximum Output Rate	10	

Package 1 : Electronics Development, Robotics, Internet of Things and Sensors

SN	Product Make	Product Name	Description	QTY 60 Students	Product Image
43	Arduino compatible	Humidity Sensor	Operating range: 20-95% RH Temperature: 0-60 Celsius Power supply: 1.5V AC (Max sine) Operating frequency: 500-2KHZ	10	
44	Grove	MQ Series	MQ-2 Smoke Detection	3	
			MQ-3 Alcohol-Ethanol sensor	3	
			MQ-4 Methane Natural Gas Sensor	3	
			MQ-5 Methane Liquefied Gas Sensor	3	
			MQ-6 Liquefied Petroleum Gas Sensor	3	
			MQ-7 High Sensitivity CO Carbon Monoxide Sensor Detector	3	
			MQ-8 Hydrogen Gas sensor	3	
			MQ-135 Air Quality Sensor (Smoke Fast response Stable and long life Simple drive circuit)	3	
45	White Label	IR (transmitter) receiver-TSOP 1738	Switching rate-38 KHz Operating voltage 5V	10	
46	Arduino compatible	Ultrasonic Sensor Module HC-SR-04 or compatible	Working Voltage : DC 05V working Current : 15mA working frequency 40HZ Range :1Cm to 4M Effective angle < 15*	40	
47	Grove	Triple Axis accelerometer	3-axis sensing Small, low profile package 4 mm × 4 mm × 1.45 mm LFCSP Low Power: 350 μA (typical) Single-supply operation: 1.8 V to 3.6 V Temperature stability	10	
48	Grove	PIR Motion Detector Module	High digital pulse when motion detected Low digital pulse when idle /no motion detected Sensitivity range (upto 6 m) Power supply: 5V – 12V	20	
49	Arduino compatible	Pulse Rate heart sensor	Pulse Rate Sensor Finger Based wore on the finger or earlobe Working voltage 3-5V	4	
50	Arduino compatible	Relay Module	5V 10A 2 Channel Relay Module Compatible with Arduino	20	
	Arduino compatible	Relay Module	5V 10A 1 Channel Relay Module Compatible with Arduino	20	







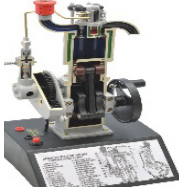


Package 1 : Electronics Development, Robotics, Internet of Things and Sensors

SN	Product Make	Product Name	Description	QTY 60 Students	Product Image
	Arduino compatible	Big Sound Microphone Module	Large Electret Capsule sound Module	10	
51	Arduino compatible	Soil Moisture Sensor Module	FC-28 with LM293 comparator Operating voltage 3.3V to 5V	6	
52	Arduino compatible	Touch Sensor	Capacitive Touch Sensor Module TTP22X series voltage range 2.4V to 5.5V	6	
53	Arduino compatible	Metal touch sensor module	KY-036 or equivalent Metal Touch Sensor Module	6	
54	Arduino compatible	Rain Drop Sensor	Rain Sensitive, Rain Drop Detection Sensor Module Operating voltage 3.3V to 5.5V Size 5MMX 40MM or equivalent	6	
55	White Label	Flex Sensor	Flex Sensor 2.2 Inches	6	
56	White Label	Temperature Sensor	LM35 full range Temperature Sensor Voltage range 4V to 30V Error +/- 0.5*c	6	
	White Label	Temperature & Humidity sensor Module	DTH 11 Voltage range 3V to 5V	40	
57	White Label	Force Pressure Sensor	Force sensitive resistor with a square, 1.75" x 1.5" sensing area	4	
58	Arduino compatible	Colour Recognition Sensor	TCS3200 Colour Recognition Sensor	4	
59	Arduino compatible	Water Flow Sensor	Arduino Compatible 5V dc Input	4	




Package 1 : Electronics Development, Robotics, Internet of Things and Sensors

SN	Product Make	Product Name	Description	QTY 60 Students	Product Image
60	Arduino compatible	Sound Sensor	Sound Sensor Module, Microphones module	10	
61	Arduino compatible	IR Sensors Array Module for Line Following	8 IR Sensors Array for Line Following operative Voltage:5V	10	
62	Syska	10000 MH 5 volt Power Bank	10000 mAh 5 volt Power Bank	5	
63	Arduino compatible	RFID Reader – Tags	Current: 13-26mA/ DC 3.3V Idle Current: 10-13mA/ DC 3.3V Sleep Current<80uA Peak Current<30mA Operating Frequency: 13.56MHz<30mA Read range between 20 cm to 1 m	10	
64	Grove	RF Modules Tx& Rx 315 MHz ASK	Frequency Range: 433.92/315 MHz Supply Voltage: 3–6 V Output Power:4–16 Dbm Low power consumption Easy application	10	
65	Adafruit	Stepper Motor with Driver board	28BY J-48 ULN2003 5V Stepper motor+ULN2003 Driver Board	10	
66	White Label	DC Motor	12V, DC Gear 150 RPM	20	
67	White Label	Servo motors	Position Servo Angle based Metal Gear	10	
			Small Servo Metal Gear	10	
			Continuous Metal Gear Servo 360	10	
			Small Servo Plastic Gear	40	
68	White Label	150 RPM BO Motor	150 RPM BO motor	10	



Package 1 : Electronics Development, Robotics, Internet of Things and Sensors

SN	Product Make	Product Name	Description	QTY 60 Students	Product Image
69	Arduino compatible	L298P Motor Driver	L298P Motor Driver shield or Relative driver shield	10	
70	Arduino compatible	Servo motor Tester	CCPM 3 channel servo motor tester	4	
75	White Label	Robotics DIY KIT	Robotics DIY kit with Programmable intelligent brain/ brick	3	
77	Pro Asia	Mechanical (modular) Construction kit	Metal/Plastic Mechanical Construction kit compatible with Electronic Equipment	5	
79	White Label	STEM Learning Application Kit	Drone kit consist with 1. Outer blade frame 2. Additional blade 3. Lanching stand 4. USB Battery Charger 5. User manual 6. DIY kit	1	
81	White Label		Aerospace Kit (balsa wood kits) 2X propeller based kit 2X Aeromodelling kit 2X Chuck Glider kit	1	
83	Universal Lab		Automobile Kit 1X model for Demonstration of 2 stroke engine working 1X model for Demonstration of 4 stroke engine working	1	
85	Mercury Lab Planners	STEM Learning Application Kit	Bio-medical Kit Blood Group determination kit PH paper testing kit Blood pressure measuring kit	1	
87	Universal		Agritech Kit Soil testing kit	1	









Package 1 : Electronics Development, Robotics, Internet of Things and Sensors

SN	Product Make	Product Name	Description	QTY 60 Students	Product Image
89	Mercury Lab Planners	STEM Learning Application Kit	Bio-tech Kit 1) DNA extraction from cheek cells 2) Lactometer for Milk Adulteration 3) Fingertip pulse oximeter 4) Glucose testing kit	1	
91	Universal		Water/Sanitation Kit Water hardness testing kit	1	
93	Universal		Other potential STEM application Kit 1X DIY Gravity Kit 1X DIY Hydraulics arm kit	1	


Package 2: Rapid Prototyping Tools

Sl. No.	Product Make	Product Name	Description	QTY 60 Students	Product Image
1.	Vagmine	3D Printer	Printer Type: FDM (Fused Deposition Modelling) Minimum Dimensions: 160mm*160mm*160mm Build Size (4 litre build volume). Nozzle: 0.3mm to 0.4mm. Printer Accessories:- 1X 8GB Memory card,1X Power cable, 1X Spare Nozal, 1X Cutter, 1X Plier, 1X 3M Masking tape, 1X Spanner	1	
2.	Microtek	UPS	1KVA UPS	1	
3.	3D-Printer compatible	Filament for 3D printer	Compatible 700/1000 Grams Filament	5	
4.	White Label	Filament Storage Box		5	
5.	White Label	Set of Arts & Crafts Accessories - e.g.- stationary items and basic prototyping material	Cardboard	5	
			Foam Core board	5	
			20M Spool of Thick strings Various color	3	
			Rubber band	100	
			Popsicle Sticks	100	
			Wood Glue Bottle (500ML)	2	



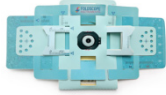




Package 3: Mechanical, Electrical and Measurement Tools

Sl. No.	Product Make	Product Name	Description	QTY 60 Students	Product Image
1	Sil Pack	Hot Glue Gun	Range in open space (Standard Conditions) Temp: 230-280* C	4	
2		Oscilloscope	Minimum Bandwidth:50Mhz,2 Channels, sample rate 1Gsa/ swith inbuilt waveform Generator	1	
3	Siron	Soldering Kit	Variable Wattage of Soldering Iron: 15-30 watts/ 230 volts Soldering Iron Temperature Range: 280°C to 450°C, (A) De-soldering Pump Soldering Flux (paste)-100 Grams, De-soldering Copper Braid (solder wick 1.5m*2MM), Soldering wire: 20/22AWG soldering wire with rosin core flux 100 grams)	4	
4	White Label	Adapters	DC power Adapter with -5V 2Amp	10	
5	White Label	Adapters	DC power Adapter with -5V, 2Amp	10	
6	Black & Decker	Electric Screw Driver Set	Multi-purpose Electric ScrewDriver Set, Accessories-compatible bits, Wireless, Battery Li-i on 3.6V or equivalent with charging Dock	1	
7	TGF	Dual temp Heat Gun	1800W dual temp heat Gun	1	
8	White Label	Soldering helping hand	Adjustable Crocodile Holding clamps/clip. Soldering iron Holder LED Light Magnifying Lens	4	

Package 3: Mechanical, Electrical and Measurement Tools

Sl. No.	Product Make	Product Name	Description	QTY 60 Students	Product Image
9	Black & Decker	Cordless Rotary Multitool Set	Cordless Rotary Multitool with all cutting, grinding, Polishing, Engraving and Drill Bits. Speed upto 30000 RPM Battery Type: Li-ion voltage/ Current range: 8-10V,0-2A	1	
10	White Label	Air Blower	500W or More, variable speed blower	1	
11	High Speed Steel	Drill Bit Set	High Quality 13 pcs, Hss Drill bits set for wood, iron, Aluminium, Plastic etc.	1	
12	White Label	File Set	Working Length 6 Inches (6 piece)	1	
13	White Label	Mini File Set	Working Length 3 Inches (6 piece)	1	
14	White Label	Flexible cutting Mat	A3 size with Marked Pattern and Grids (18" x 12")	2	
15	Tapariya	Plastics tool Drawer / Organizer	Number of Drawer 60 or equivalent Drawer size (1*W*D) inch 2x2x5	2	
16	White Label	Peg Board	Peg Board system to mount tools on wall 5x3 feet	2	
17	Tapariya	Return measuring tape	Return measuring tape 5Mx19mm	2	
18	White Label	Stainless Steel	Stainless Steel 12"/ 150 mm Rule	5	
19	Tapariya	Digital Vernier Calliper	150 mm / 6" Digital Vernier Calliper	2	






Package 3: Mechanical, Electrical and Measurement Tools

Sl. No.	Product Make	Product Name	Description	QTY 60 Students	Product Image
20	Tapariya	Spirit Level	12" Spirit Level	1	
21	Tapariya	Digital Pen electric Tester	Voltage tester	1	
22	Gadget Hero	Digital Multi Meter	Digital Multi Meter Voltage Current Resistance-7 functions + 19 ranges to cover DC voltage 200mV to 1kV, AC voltage 200 V - 750 V, DC current 200 μA - 10 A, Resistance 200 -2 M Ohm and Transistor & diode test	5	
23	HTC	Microscope	DIY Microscope (Paper Microscope) Magnifying Range 100X 2000X	5	
24	Ease Life Primium Quality	Semi Automatic Sewing machine	The battery operated, less power to operate, The best mini handheld sewing machine comes with compact and attractive design	1	
25	Celestron	Telescope	All Glass optical component, Altazimuth Mount Suitable for Terrestrial And Astronomical Use 700MM Focal Length	₹ 1	
26	White Label	Hacksaw frame	size: 12 Inch	1	
27	White Label	Hacksaw Blades	Size:12 Inch	10	
28	Tapariya	Pliers 4.5 Inch size	Nose Circlip Plier	1	
			Long Nose Plier	1	
			Combination Mini Plier	1	
			Wire stripping pliers	1	
			Bent nose plier	1	
			Needle nose pliers	1	
29	Tapariya	Mini Hack Saw Frame	Size: 6 Inches	1	














Package 3: Mechanical, Electrical and Measurement Tools

Sl. No.	Product Make	Product Name	Description	QTY 60 Students	Product Image
30	Tapariya	Hacksaw Blade Mini	Size: 6 Inches	10	
31	White label	Tweezer Set	6 Pc non magnatic tweezer set size:;6 inch	2	
32	Tapariya	Ball Pein Hammer	Ball Pein Hammer (Weight 0.75 KG)	1	
33	Tapariya	Steel Shaft Claw Hammer	Claw Hammer Steel shaft (Weight 0.75KG)	1	
34	White Label	C-Clamp	Metal clamp 3inch size	4	
35	Freeman	Allen Key Set	10 piece ring Imperial allen hex Key	1	
36	White Label	Drill Machine Set	Drill machine with Accessories Hammer/screw and Clock wise and Anti Clock wise Modes Power 500W, Chuck capacity 1-10MMDrill Bits, Masonry, Metal, Wood	1	
37	Swastik	Drilling Workstation	Drill Press, Drill Holder and Rotatery Tool, compatible with Drilling Machine Provided	1	
38	Stanley	Spanner Set	12 piece combination Spanner Set Range: 4MM to 30MM	1	
39	Jakely	Ratcheting Screwdriver Set	30 Piece Ratcheting Screwdriver Set	1	
40	White Label	vice Normal	Table top vice fitted to the table	1	

Package 3: Mechanical, Electrical and Measurement Tools

Sl. No.	Product Make	Product Name	Description	QTY 60 Students	Product Image
41	White Label	Precision Screw Driver Set	6 Piece Precision Screw Driver Set Type PH0, PH1, Flat head, 1.4mm, 2mm, 2.4mm, 3mm	2	
42	Tapariya	Wrench	Adjustable universal Wrench	2	
43	Multitec	Wire Strippers	Wire Stripper Cutter Plier With Spring -26x6x20 Cms (L*W*H)	5	
44	White Label	Screwdriver	40 pc Multipurpose Screw Driver set	5	
45	White Label	Tool Set	Multi-purpose	3	

Package 4: Power Supply & Accessories and Safety Equipment

Sl. No.	Product Make	Product Name	Description	QTY 60 Students	Product Image
1	White Label	Glue Stick	11mm x 200 mm hot melt Glue stick	100	
2	White Label	Nuts, Bolts, and Screw	various size 20 each (20 packet)	40	
3	White Label	Cable tie	Small (pack of 100)	10	
			Medium (pack of 100)	10	
			Big (pack of 100)	10	
4	White Label	Sand paper	Various Grit-80	2	
			Various Grit-100	2	
			Various Grit- 120	2	
			Various Grit- 200	2	
			Various Grit- 300	2	
5	Anchor/ Bajaj	Power Strips Adapters	5 Plug with safety fuse standard quality extension 5M wire	5	
6	White Label	Bulb Holders	Regular Hanging Bulb holder	10	
7	White Label	Electric wires	Twisted red black pair	20	
8	White Label	USB to DC Jack	USB to DC Jack for battery bank	10	
9	White Label	Standard first aid kit		2	
10	White Label	Fire extinguisher (handy units)	powder type fire extinguisher 2kg	2	
11	3M	Safety goggles (without LED torch)	safety goggles for chemical splash and smoke from soldering	30	
12	3M	Safety Gloves Pairs	Latex coating gloves (medium size)	10	
13	3M	Safety Mask	Filtering efficiency ranging 80 percent when tested against 0.3 micron sodium chloride particle.	20	

Advanced Prototype Kit						
Sl. No.	Product Make	Product Name	Description	QTY	Unit Price (₹)	Total Price (₹)
1	LEGO Education	Advanced Prototype Kit	Advance prototyping kit consisting of 2 separate kits containing more than 1400 different building element, Powerful controller, Several Models can be make, Support basic to advance level programming language.	1	₹ 43,650	₹ 43,650
* GST extra as applicable						

Laptop and Projectors					
Sl. No.	Product Make	Description	QTY	Unit Price (₹)	Total Price (₹)
1	Laptop*	Intel atom, 1.84 GHz, 11.6 inches, 32 GB, Windows 10	1	₹ 15,600	₹ 15,600
		14", core i3, 4GB, 1TB, Windows 10	1	₹ 34,000	₹ 34,000
		14", core i5, 8GB, 128 GB	1	₹ 41,400	₹ 41,400
		15.6", core i5, 8GB, 128GB	1	₹ 52,300	₹ 52,300
2	Projector**	HD 1920x1080,120" inch	1	₹ 10,000	₹ 10,000
		High contrast ratio of 15000:1, 3,200 Lumens, HDMI, VGA and LAN	1	₹ 26,500	₹ 26,500
		Wi-Fi, HDMI or MHL, HD Mobile Projector, Project movies, images or data from your devices	1	₹ 55,000	₹ 55,000
* 18% GST extra on Laptop ** 28% GST extra on Projector					

Branding Material Package						
Sl. No.	Product Make	Product Name	Description	QTY	Unit Price (₹)	Total Price (₹)
1	NitiAayog ATL Branding	Sunboard	3x1.5 feet	5	₹ 26,000	₹ 26,000
2	NitiAayog ATL Branding	Sunboard	3X3 feet	3		
3	NitiAayog ATL Branding	Flex for Outside of the lab	3x1.5 feet	3		
4	ATL Lab sinages	Sunboard	2x1 Feet	12		
5	Tinker wall	Sunboard	5X10 feet	1		
6	3D ATL Board	Acrylic	5x2 feet	1		
					Total	₹ 26,000
Terms: Price valid only if Branding Material Package ordered together with Package P1 to Package P4. Prices are not valid separately. * GST extra @18%						

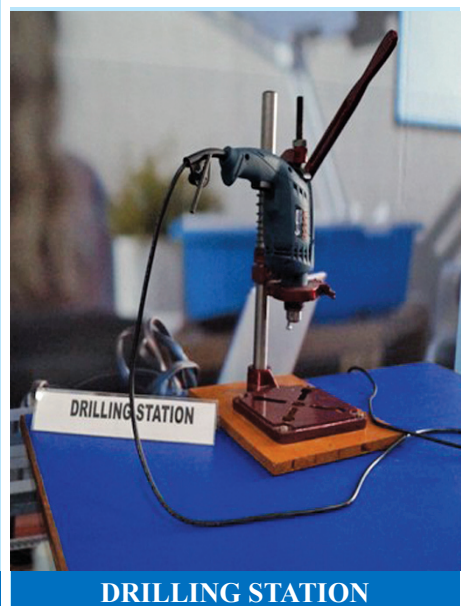
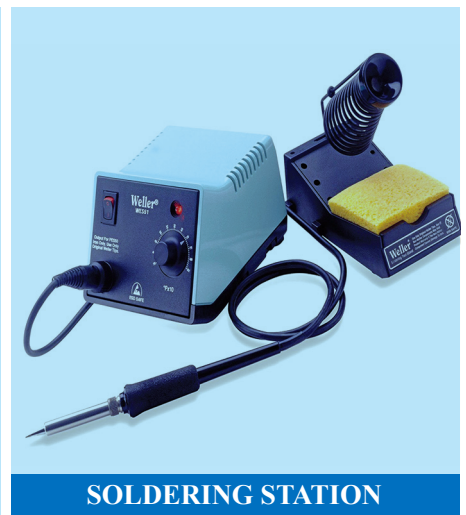
Furniture Package						
Sl. No.	Product Make	Product Name	Description	QTY	Unit Price (₹)	Total Price (₹)
1	Work Table	Metal (frame and legs) MDF Pre-laminated top	3X3 feet	6	₹ 7,000	₹ 42,000
2	Work Table for 3D Printer	Metal (frame and legs) MDF Pre-laminated top	4X4 feet	1	₹ 9,000	₹ 9,000
3	Work Table for Drilling station	Metal (frame and legs) MDF Pre-laminated top	4x4 feet	1	₹ 9,000	₹ 9,000
4	Soldering station with utility shelf	Metal (frame and legs) MDF Pre-laminated top	4x2 Feet	2	₹ 6,000	₹ 12,000
5	Stools	Plastic with cushion	standard	30	₹ 1200	₹ 36,000
6	Activity table	Wooden border, MDF, Pre-lam surface & wooden stand	8x4 feet	1	₹ 13,000	₹ 13,000
7	Almirah	MDF pre laminated with Lock	6x3 feet	1	₹ 8,000	₹ 8,000
8	Computer table	MDF pre laminated	Standard	2	₹ 6,000	₹ 12,000
Total						₹ 1,41,000
Terms: Price valid only if Furniture package ordered together with Package P1 to Package P4. Prices are not valid separately. * GST extra @18%						

TERMS & CONDITION	
<ul style="list-style-type: none"> ➤ GST shall be charged extra as applicable at the time of Invoice. ➤ Delivery Time: 3 week from the date of commercially clear purchase order. ➤ Freight Charges: Included in the prices quoted. ➤ Payment: 70% Advance and 30% after delivery preferred. ➤ Warranty: As per ATL Guidelines. ➤ AMC: As per ATL Guidelines. <ul style="list-style-type: none"> • Prices Quoted only as Packages. • PO to be issued in favour of: VAGMINE TECHNOLOGIES, C-24, Guru Nanak Pura, Laxmi Nagar, Delhi-110092. • The images used on the ATL Proposal are for reference and does not reflect the actual configuration of the product. 	

Company Name	: VAGMINE TECHNOLOGIES
Bank Name	: Bank of India
Branch	: VikasMarg, Delhi
A/C No.	: 605320110000904
IFSC Code	: BKID0006053

ATL Furniture

- Work Tables – Student working tables
- Work Stations – For 3D printer and Drilling Station
- Computer Tables
- Soldering Stations
- Activity Table - For Robotics and STEM Activities
- Storage Almirah
- Stools with cushion
- Any other item as per the requirement of the school



ATL Branding Material



Atal Tinkering Labs
Nurturing Young Minds to Innovate.

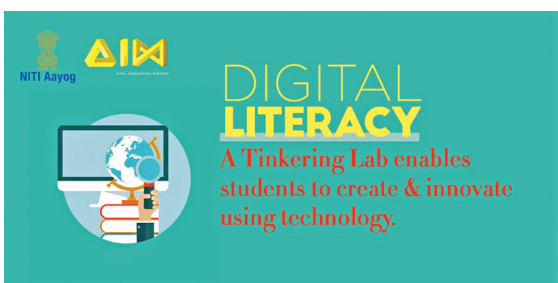
Play area. Only if you want to play with science.

3D Letter Acrylic Signage
5X2FT

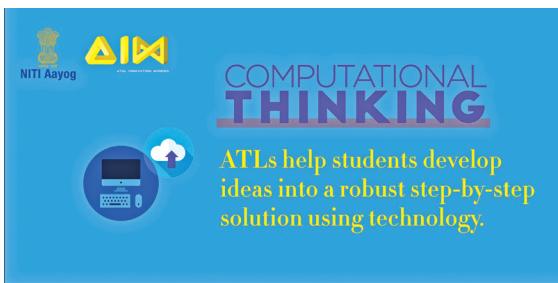


ATL
ATAL TINKERING LABORATORIES

4X2FT BANNER



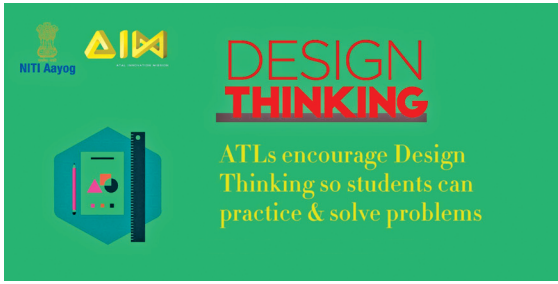
DIGITAL LITERACY
A Tinkering Lab enables students to create & innovate using technology.



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



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



DESIGN THINKING
ATLs encourage Design Thinking so students can practice & solve problems



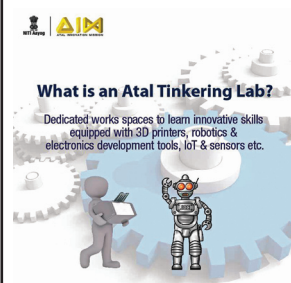
IDEATING
Observe. Identify. Solve.

4X4FT BANNER



**THE RESOURCE: OURS
THE MOTIVATION: YOURS**
#MENTOROFCHANGE

Through Atal Tinkering Labs, NITI provides all materials that schools need to create innovators of tomorrow. You just have to mentor students to start tinkering.



What is an Atal Tinkering Lab?
Dedicated works spaces to learn innovative skills equipped with 3D printers, robotics & electronics development tools, IoT & sensors etc.



ATL INNOVATION MISSION
ATL Tinkering Labs

₹ 20 LACS
To reach young minds the big skills.



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.



Who is setting up these Atal Tinkering Labs?

NITI Aayog's Atal Innovation Mission to promote innovation and entrepreneurship, 2,000 such labs by end of 2017

2X1FT SIGNAGES

3D PRINTER	ELECTRONICS & IOT SECTION
MECHANICAL TOOLS	SOLDERING STATION 01
MECHANICAL TOOLS	SOLDERING STATION 02
ROBOTICS & STEM	WORK BENCH 01
ROBOTICS	WORK BENCH 02
SAFETY AREA	BRILLING STATION
SAFETY ITEMS	INTERNET OF THINGS (IOT)
ELECTRONICS	ASSEMBLY AREA

LEGO® MINDSTORMS® Education EV3 Core Set (45544)

LEGO® MINDSTORMS® Education EV3 Core Set
This core set is optimised for classroom use and contains all you need to teach using the exciting LEGO MINDSTORMS EV3 Core Set.

It enables students to build, program and test their solutions based on real-life robotics technology. It contains the EV3 Intelligent Brick, a powerful small computer that makes it possible to control motors and collect sensor feedback. It also enables BT and WiFi communication as well as providing programming and data logging. Students are encouraged to brainstorm in order to find creative solutions to problems and then develop them through a process of selecting, building, testing and evaluating them.



₹ 31,500*

LEGO® MINDSTORMS® Education EV3 Expansion Set (45560)

LEGO® MINDSTORMS® Education EV3 Expansion Set contains a wide range of elements and is an ideal supplement to the EV3 Core Set.

It has been designed to allow students to take their experience of robotics to the next level. There are plenty of special elements here, such as different gears, a large turntable, robot personalization parts and unique structural elements. These are joined by many extra standard elements like beams, axles and connectors. This set both helps students build larger and more complex models while at the same time providing extra or replacement elements. The set is optimized for use in the classroom and after school programs or robotics competitions. It will be delivered in a sturdy and stackable plastic storage bin.



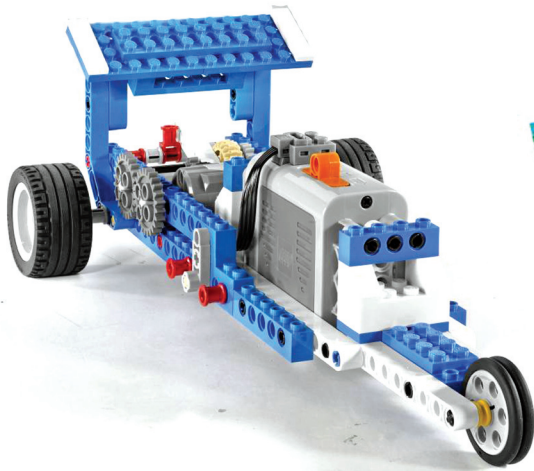
₹ 13,500*

*GST Extra as Applicable

Simple & Powered Machines Core Set (9686)

LEGO® Education Simple & Powered Machines Set. The core brick set in our range of Machines and Mechanisms solutions. This set includes full-colour building instruction booklets for 10 principle models and 18 main models.

Combine with curricular-relevant activity packs and add-on sets to carry out a broad range of activities within design technology, science and mathematics.



₹ 14,950*

Renewable Energy Add-On Set (9688)



LEGO® Education Renewable Energy Add-On Set is exciting add-on set allows students to learn about renewable energy sources and can be used with the Simple & Powered Machines Set (9686) and LEGO MINDSTORMS Education (9797). The set includes a solar panel, turbine blades, a motor/generator, LED lights, an extension wire, a LEGO Energy Meter and full-colour building instructions for six real-life LEGO models to build with 9686.

₹ 13,900*

Pneumatics Add-On Set (9641)



LEGO® Education Pneumatics Add-on Set for the 9686 Base Set provides five principle models and four real-life pneumatics models. Includes full-colour building instructions, pumps, tubes, cylinders, valves, air tank and a manometer.

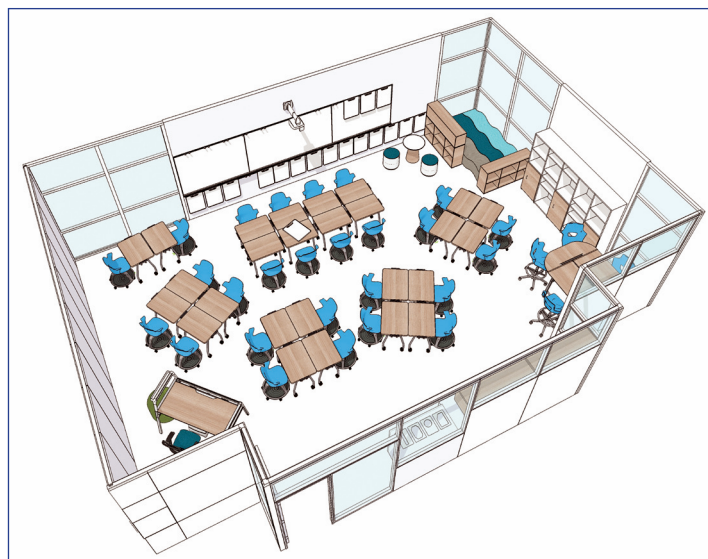
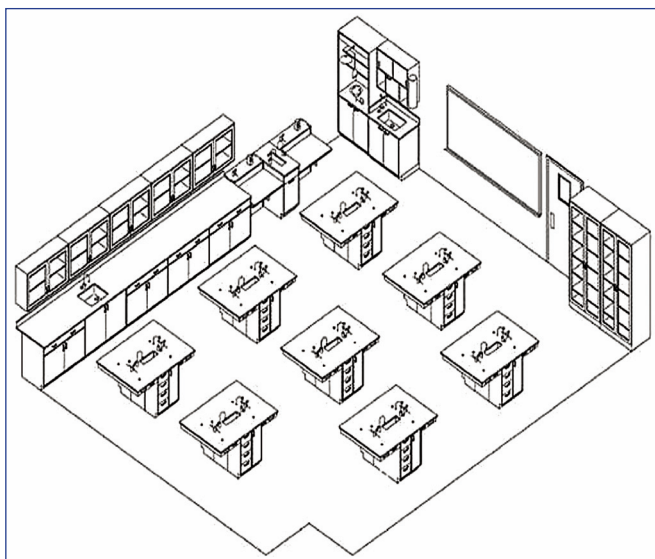
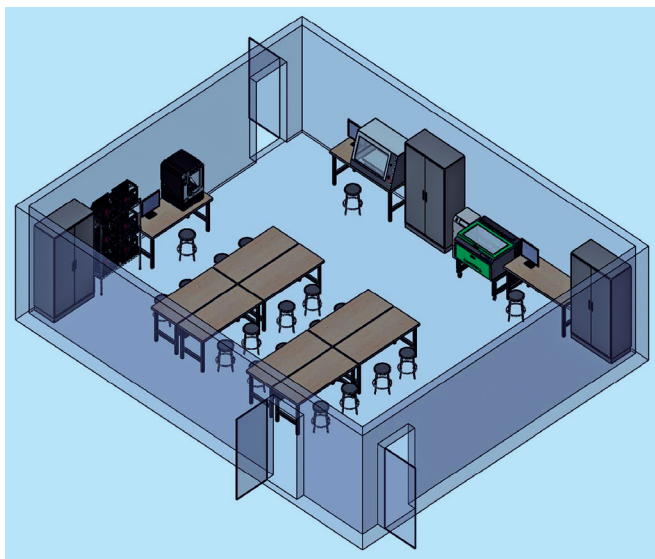
₹ 11,000*

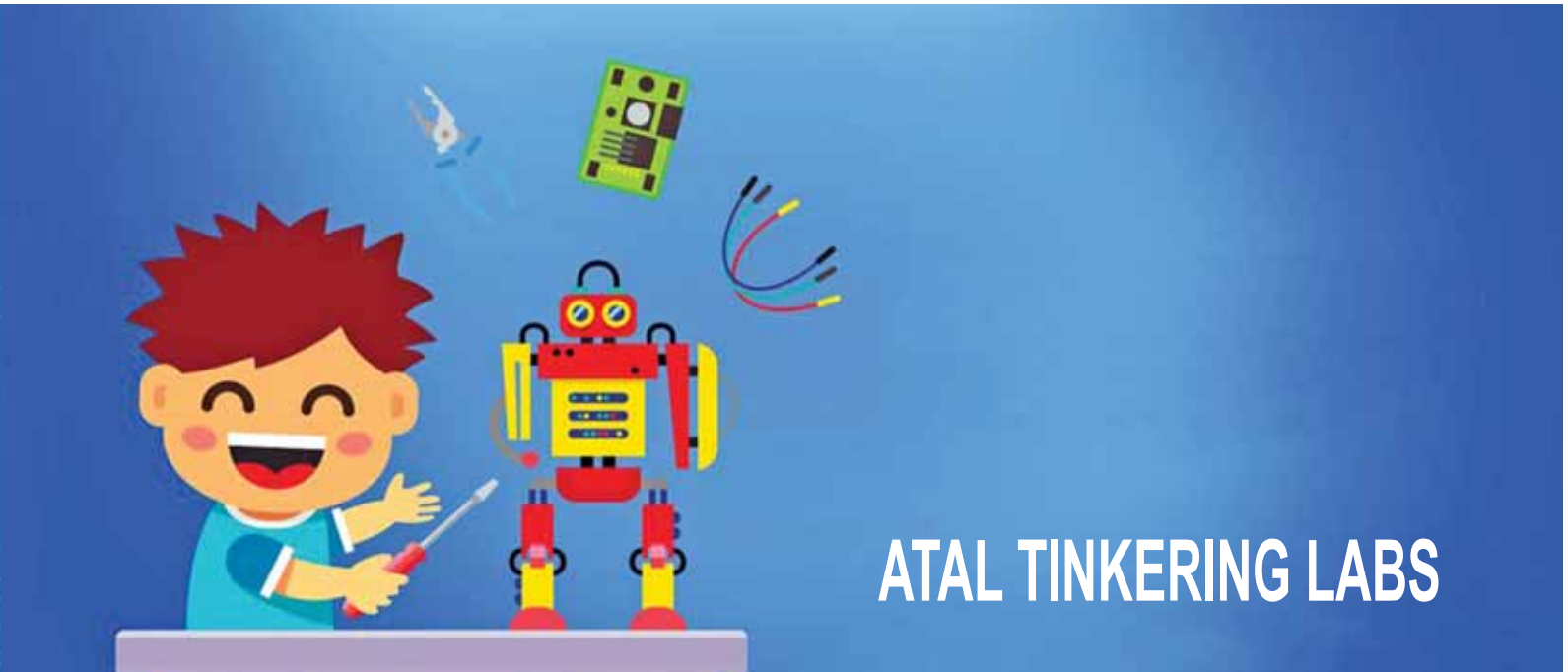
*GST Extra as Applicable

ATL 3D Lab Layout Design

3D Layout of room set up offered free of cost.

Setup of: Projector Area | Work Bench | Soldering Station | Drilling Station | 8x4ft Work Table





ATAL TINKERING LABS

OUR ATL LAB SERVICES



VAGMINE TECHNOLOGIES

(An ISO 9001:2015 Certified Company)

Reg. Office: C-24 Guru Nanak Pura, Laxmi Nagar, Delhi-110092 (INDIA)

Phone: +91-8447671646, +91-9560234684, +91-9891169449

E-mail: vagminetek@gmail.com, info@vagminetechnologies.in

Website: www.vagminetechnologies.in