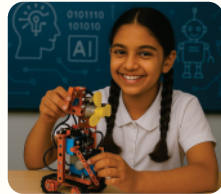


विश्वkar

AI & ROBOTICS LAB

edubull
Creating AI Enabled Schools

CO-DEVELOPED
BY IHUB
DIVYASAMPARK
AT IIT ROORKEE



SCIENCE



TECHNOLOGY



ENGINEERING



MATHEMATICS



CERTIFICATION

LAB IN A BOX: ZERO HEADACHE

ALL IN ONE SOLUTION

WHAT CAUSED THE SHIFT: THE WORLD IS EMBRACING COMPOSITE SKILLS



65% of current students will work in jobs that don't exist yet by 2030

McKinsey
& Company

50% of organisations worldwide report using AI in daily operations



300 million people will require new skills in tech, social, and cognitive domains

WORLD
ECONOMIC
FORUM

By 2027, AI adoption will create millions of new tech-related jobs.

WORLD
ECONOMIC
FORUM

Indian Students are just witnessing the Future Instead of Building It.



....



Here's why—>



The Challenge: The Urgent Need for a New Approach

Why is Skills Lab Critical for Indian Students Today?

LACK OF INFRASTRUCTURE SUPPORT

Schools lack the infrastructure, funds, and knowledge to teach AI & Robotics effectively.



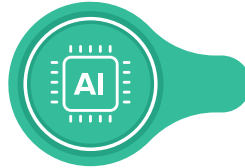
LACK OF AI & ROBOTICS CURRICULUM

Schools lack curriculum support and implementation.



THE AI & ROBOTICS REVOLUTION

We must equip students for a world driven by AI and automation, not just for the jobs of the past.



LACK OF SKILLED EDUCATORS

There is a nationwide lack of teachers trained to deliver practical, modern tech education.



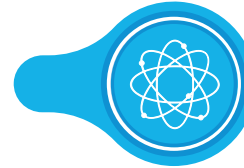
INNOVATION ISN'T ENCOURAGED

Students are not guided to think critically, innovate, or problem-solve from a young age.



NEED FOR PRACTICAL SKILLS

Overcoming the gap between theoretical learning and practical, hands-on skills.



EARLY STEM ENGAGEMENT

Introducing STEM concepts early to foster lifelong curiosity.



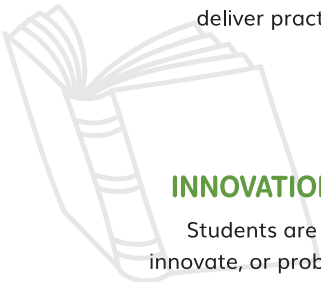
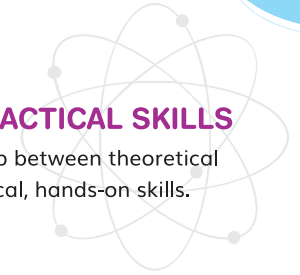
BUILDING A SELF-RELIANT INDIA

Cultivating local talent to innovate for India's future.



UNEMPLOYMENT

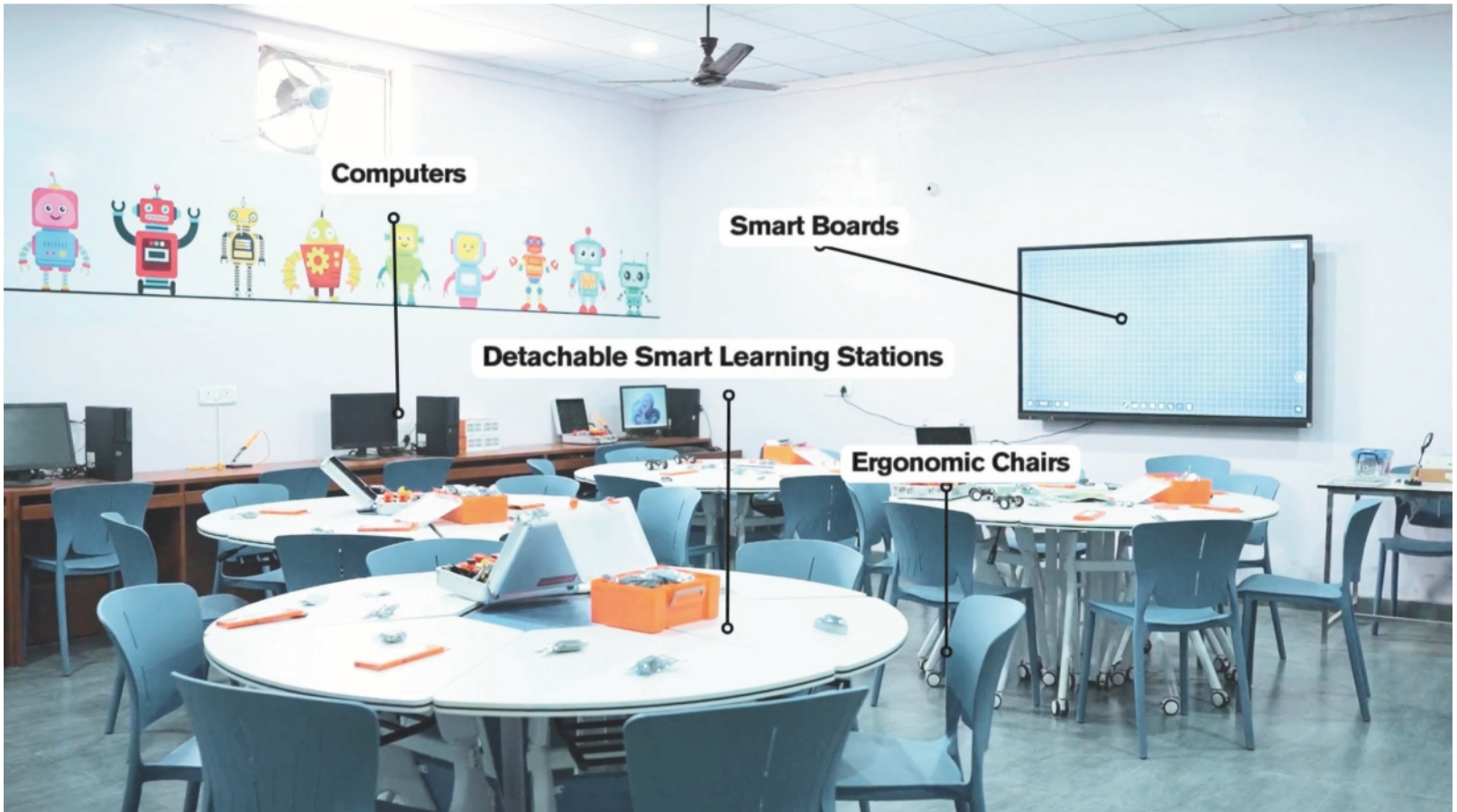
Among Graduates Despite Population Growth & Lack of Industry-Required Skills.

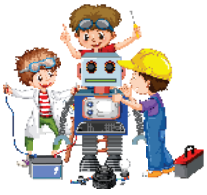




Turnkey Lab Solution: **Effortless Installation, Maximum Impact**

Thoughtfully Curated Imported **Infrastructure**





Vishwakar Lab: Designed by iHub DivyaSampark at IIT Roorkee

Imagine a vibrant learning space designed specifically for innovative exploration and collaborative learning. Here's what your Vishwakar Composite Skills Lab will offer "Zero Headache Solution".

Books & Curriculum

Class 1st to 12th level wise curriculum books.
Developed by professors at IIT.

1

70+ Advance AI & Robotics Kits

India's Most advanced and complete range of our proprietary
70 robotics and AI kits for real-world, hands-on projects.

2

Tech & Coding

A full ecosystem of cutting-edge tech, including, Machine
Learning, AI, Robotics Raspberry Pi, and Arduino.

3

Student Certification

Student certification by
iHub DivyaSampark at IIT Roorkee.

4

Smart Panel & Computer

High-performance computers pre-
loaded with all the software needed
for coding and AI.

5

Interior & Furniture

An inspiring, fully-branded
environment featuring our "Wall
of Vision" to motivate students.

6

Expert Full-Time Teacher in School

On-site expert responsible for day
to day operations, management
and teaching.

7

LAB FOCUSES ON DEVELOPING FUTURISTIC SKILLS



Problem Solving



Creativity &
Innovation



Critical Thinking



Collaboration
& Teamwork



Core Technical
Skills







Adaptability &
Resilience

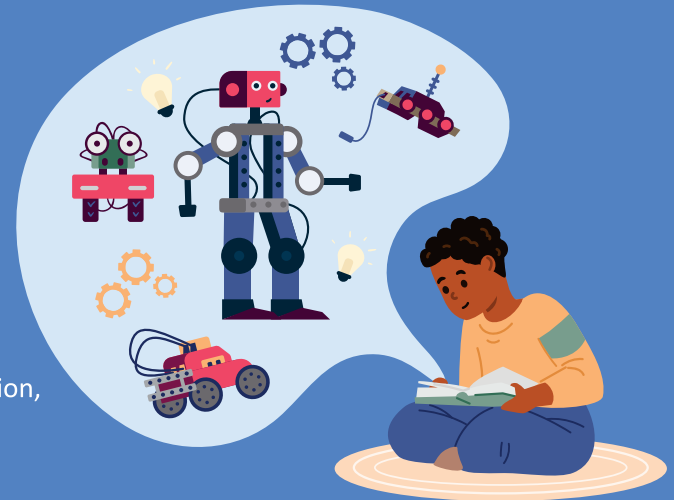
The Students Become Future Innovators

We don't just teach subjects, we build mindsets. Our goal is to forge every student into an All-Rounded Innovator.

We want to promote 'Maker Education' Among Indian Schools, Helping Students Upskill for the future.

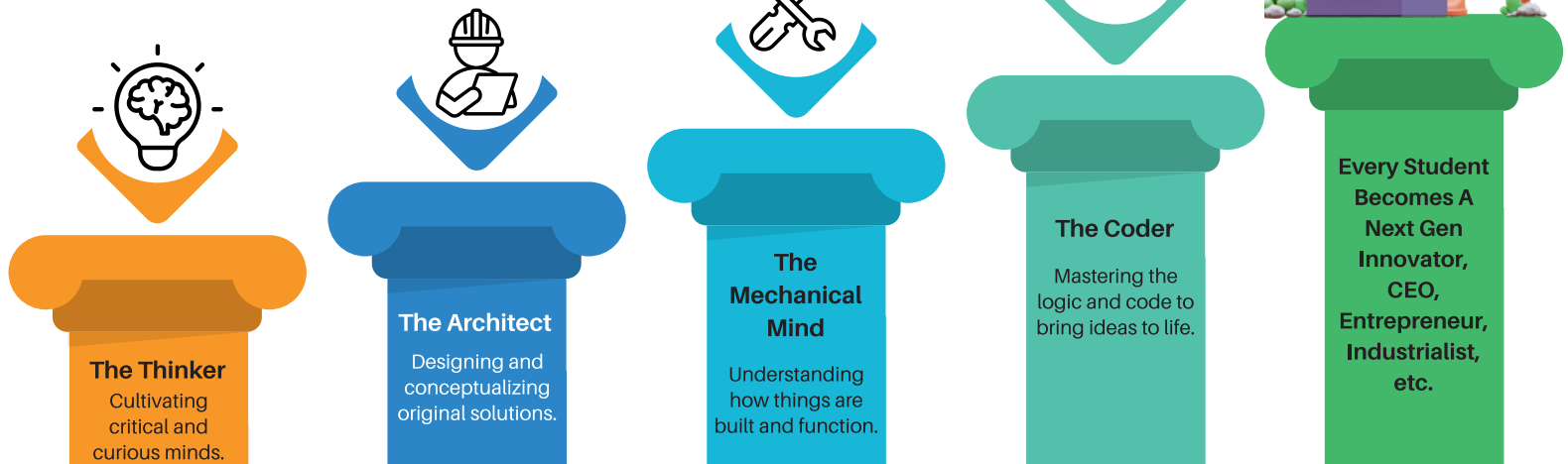
Skills Developed

-  **Technical & Mechanical:** Proficiency in programming, AI, Robotics assembly, and construction.
-  **Soft & Career:** Communication, teamwork, leadership, and project planning.
-  **Electronic:** Knowledge of circuitry, sensors, and safe practices.
-  **Environmental:** Installing a sustainable mindset through eco-friendly practices

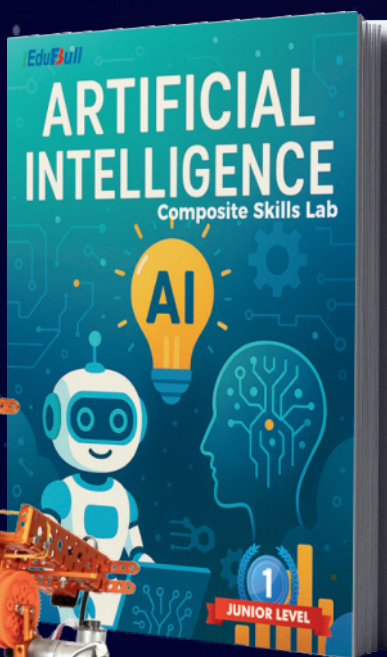


What the Student becomes in the Lab

The lab provides the environment, tools, and curriculum for students to move from being consumers of information to becoming creators and problem-solvers.



CLASS-WISE TEXTBOOKS & LEVEL-WISE PROJECTS



The Curriculum: Progressive Learning Path (JL1 - SL4)

Designed by iHub DivyaSampark at IIT Roorkee

Class	Year 1			Year 2			Year 3			Year 4			Year 5		
	Level	Projects	Periods	Level	Projects	Periods	Level	Projects	Periods	Level	Projects	Periods	Level	Projects	Periods
1	JL1	19	31	JL1	19	31	JL1	19	31	JL1	19	31	JL1	19	31
2	JL1	19	31	JL2	26	30	JL2	26	30	JL2	26	30	JL2	26	30
3	JL1	19	31	JL2	26	30	JL3	28	32	JL3	28	32	JL3	28	32
4	JL2	26	30	JL2	26	30	JL3	28	32	JL4	32	38	JL4	32	38
5	JL2	26	30	JL3	26	30	JL3	28	32	JL4	32	38	SL1	17	34
6	SL1	17	34	SL1	17	34	SL1	17	34	SL1	17	34	SL1	17	34
7	SL1	17	34	SL2	17	34	SL2	26	51	SL2	26	51	SL2	26	51
8	SL2	26	51	SL2	26	51	SL3	21	50	SL3	21	50	SL3	21	50
9	SL2	26	51	SL3	21	50	SL3	21	50	SL4	12	30	SL4	12	30
10	SL2	26	51	SL3	21	50	SL4	12	30	SL4	12	30	Graduated		
11	SL3	21	50	SL3	21	50	SL4	12	30	Graduated			Graduated		
12	SL4	12	30	SL4	12	30	SL4	12	30	Graduated			Graduated		

CLASS 1st TO 12th LEVEL WISE
CURRICULUM BOOKS
DEVELOPED BY PROFESSORS AT IIT



What the Lab Teaches: Real-World Project Domains

Our projects are grounded in diverse, real-world sectors, with complexity increasing at each level.

DEFENCE TECH



SCAN OR CLICK HERE

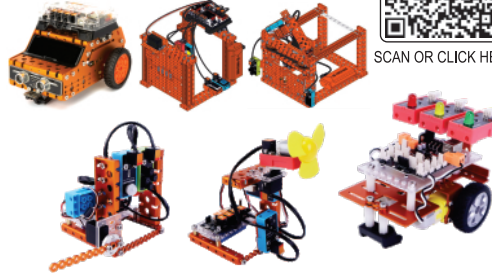


- Ball Launcher
- Detection Tank
- Obstacle avoidance tank
- Robot Arm Tank
- Rolling Tank

SMART CITY



SCAN OR CLICK HERE



- Coding Car
- Line Follower
- Obedient Gate
- Smart Fan
- Touch Doorbell
- Traffic Light
- Human Perception Light

AUTOMOBILE



SCAN OR CLICK HERE



- Driving Mechanism
- Gear Box
- Meshing Belt Driving Mechanism
- Slider-crank Mechanism
- Smart Robot Car
- Swerved Car

AUTOMATION



SCAN OR CLICK HERE



- Fire Fighter
- Self Balancing
- Smart Curtain
- Smart Hanger
- Ultrasonic Radar
- Walking Robot

AVIATION



SCAN OR CLICK HERE



- Drone
- Helicopter
- Jet Aircraft
- Rotary Wing Aircraft
- Space Shuttle
- Transport Plane

CONSTRUCTION



SCAN OR CLICK HERE



- Engineering Bulldozer
- Engineering Excavator
- Engineering Mining Vehicle
- Engineering Robot
- Engineering Lifting Platform
- Robotic Arm
- Slewing Crane

What the Lab Teaches: Real-World Project Domains

Our projects are grounded in diverse, real-world sectors, with complexity increasing at each level.

DISASTER MANAGEMENT



SCAN OR CLICK HERE



- Engineering Bulldozer
- engineering excavator
- Engineering Mining Vehicle
- Fire Fighter
- Auto Fire Extinguisher

FORESTRY



SCAN OR CLICK HERE



- Chainsaw Man
- Double Saw Armor
- V-Saw Machine
- Chainsaw Dog
- Handheld Large chainsaw

SECURITY



SCAN OR CLICK HERE

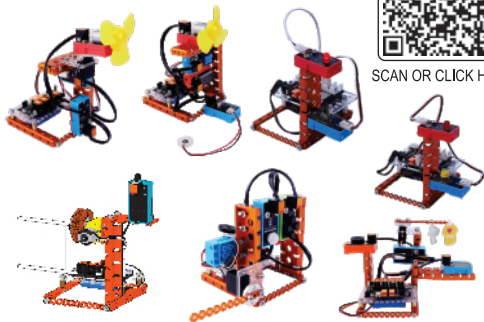


- AI Factory Gate
- Retractable Gate
- Auto Gate Open
- Smart Parking Lot
- Coded Lock
- Facial Recognition

SMART HOME



SCAN OR CLICK HERE



- Air Conditioner
- Coded Lock
- Gesture Fan
- Smart Curtain
- Smart Hanger
- Turn Down The Brightness
- Turn OFF reminder

AGRICULTURE



SCAN OR CLICK HERE



- Drone
- Helicopter
- Jet Aircraft
- Rotary Wing Aircraft
- Space Shuttle
- Transport Plane

CODING



SCAN OR CLICK HERE



- MIT App Inventor
- Python
- Arduino
- scratch

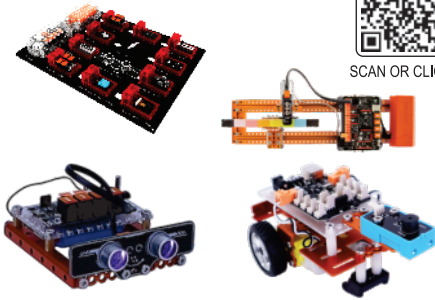
What the Lab Teaches: Real-World Project Domains

Our projects are grounded in diverse, real-world sectors, with complexity increasing at each level.

ENTERTAINMENT



SCAN OR CLICK HERE



- Gesture Control Piano
- Magical Musician
- Music Robot
- Play Music

HOSPITALITY



SCAN OR CLICK HERE



- Auto Gate open
- Bartender
- Camera Dolly
- Human Perception Light
- Touch Doorbell

WARHEAD



SCAN OR CLICK HERE

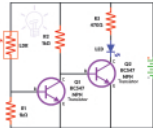
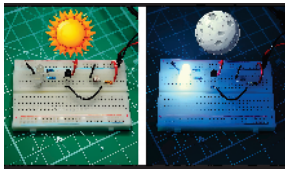


- Robot
- Dinosaur
- Armored Car
- Engineering Vehicle
- Snowmobile

ELECTRONICS



SCAN OR CLICK HERE



- Automatic Dark Detection
- Clap Operated Switch Circuit
- Dark Detector Circuit
- Soldering Kit

SPACE



SCAN OR CLICK HERE

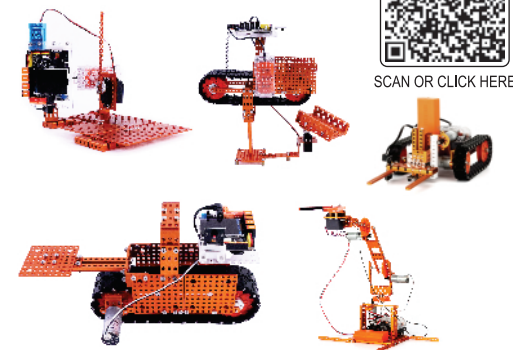


- Aerospace
- Anti Collision
- Line Follower
- Apocalypse Space Station
- Protect from Light

SMART FACTORY



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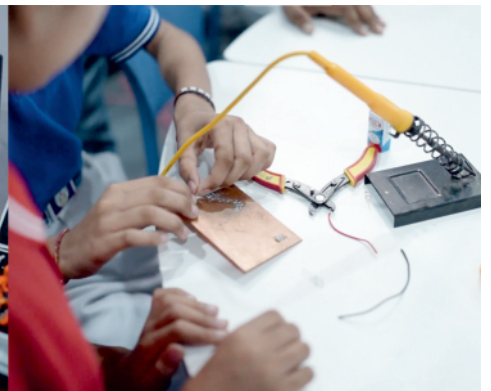


- AI Security Gate
- AI Sorting Conveyor Belt
- AI Warehouse Robot
- Forklift
- Robotic Arm

Certification by iHub DivyaSampark at IIT Roorkee



Inside the Lab: A Glimpse of Innovation and Learning



On-site STEM Teacher: **Our Responsibility**

A dedicated lab specialist whose only job is to handle the tech, partner with you, and ensure student success.

Your school's resident tech expert, exclusively trained and provided by us to run the lab.

The key to a thriving lab: A full-time, on-site expert who turns the lab's potential into reality.



Expert Trained Teacher



**NO MANAGEMENT HASSLE OR
TEACHER QUALITY ISSUES WITH EDUBULL**

The Implementation Process

Simple and seamless process

APPROVAL FROM iHUB

- School sends letter of request to iHub.
- Principal Coordinator at iHub evaluates, approves, and confirms.



LAB SETUP

- Installing special furniture, smart board, electronics.
- Designing Lab Interior.



PROVISION OF BOOKS AND KITS

- Delivery of AI & Robotics Books.
- Delivery of AI & Robotics kits.



ASSIGNMENT OF STEM TEACHER

Allocating STEM Teacher, a trained certified engineer.



EXAMINATION & iHUB DIVYASAMPARK AT IIT ROORKEE

- Comprehensive assessments to evaluate their understanding and practical skills.
- iHub DivyaSampark at IIT Roorkee certificate



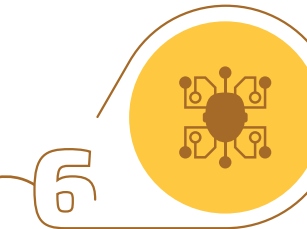
INDUCTION IN PAN INDIA AI & ROBOTICS CLUB

School will be part of a pan-India network of robotics and AI club.



FUNCTIONAL LAB ESTABLISHMENT

Lab now fully operational & ready for student engagement.



ROLE-BASED LEARNING IMPLEMENTATION

Students learn immersively playing roles of AI coder, Engineer, Project manager etc.



Edubull Advantages / Why go with Vishwakar



Zero Headache, Zero Financial Model

Collaboration with iHub DivyaSampark at IIT Roorkee through Vishwakar Lab

Lab in a Box - Fully Furnished Lab

World-Class Curriculum and Hardware for AI & Robotics, co-created with iHub DivyaSampark at IIT Roorkee

Projects with high real-world relevance and application

5-Year Build-Operate-Transfer (BOT) Model for guaranteed success

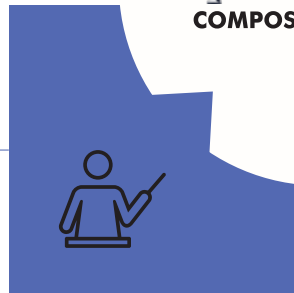
Student Certification

Full Time Expert Teacher in School

A Complete, Unified Solution Designed for All Stakeholders

School | 01

1. Elevate your reputation as a true innovation hub.
2. Get an effortless, all-in-one lab solution.
3. Seamlessly fulfill the CBSE Skill Lab mandate.
4. Boost enrollment and unlock new revenue streams.
5. Boost Collaboration as a marketing tool.



Teachers | 03

1. Partner with a dedicated, on-site lab expert.
2. Integrate cutting-edge tech into your lessons.
3. Focus on mentoring, not managing complex tech.
4. Enhance your own professional growth and skills.

02 | Students

1. Earn a prestigious certification from iHUB (Govt. of India's Innovation iHub DivyaSampark at IIT Roorkee).
2. Build a portfolio of real-world robotics and AI projects.
3. Gain a significant advantage for university admissions and future careers.
4. Develop the confidence to innovate and lead.
5. Boosts Confidence
6. Promotes Critical Thinking & Entrepreneurial spirit.

04 | Parents

1. Secure a government-recognized certification for your child.
2. Invest in their confidence, creativity, and leadership.
3. Provide access to an elite, future-ready curriculum.
4. See tangible proof of their holistic development.
5. Helps parents understand their child's strengths.
6. Holistic Development
7. Builds Engagement with the School.
8. Access to Top Resources
9. Assures Future Success



Vishwakar Lab vs. Atal Tinkering Lab

ATAL TINKERING LAB (ATL)



The Model

DIY Project: Puts the entire operational burden, from grant management to setup and success, on the school.



The Curriculum

Outdated & Unstructured: Offers broad but often disconnected topics with an 8-year-old curriculum, leaving schools on their own.



The Technology

Limited & Basic: Provides a "box of raw parts" for foundational electronics, with a limited scope for advanced projects.



The Support

Teacher-Dependent: Relies entirely on existing school teachers who may lack the specialized training and time required.



The Outcome

Exploratory & Inconsistent: Fosters curiosity, but student outcomes are variable and there is no formal certification.



VISHWAKAR LAB BY EDUBULL



The Model

Turnkey Partnership: A zero-headache, fully managed ecosystem delivered and run by our on-site experts.



The Curriculum

Cutting-Edge & Structured: A guaranteed, multi-year pathway to mastery in advanced fields like AI, IoT, and LLM Development.



The Technology

Advanced & Multi-Domain: Provides integrated kits for **over 14 industries** (Space, Smart Factories, etc.) ensuring students work with the latest tech.



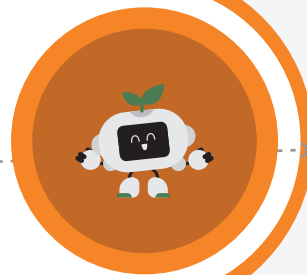
The Support

Expert-Guaranteed: Solves the #1 challenge by providing a **full-time, dedicated, Edubull-trained specialist** to run the lab.



The Outcome

Career-Ready & Certified: Builds a professional portfolio and provides a prestigious, government-recognized **iHub DivyaSampark at IIT Roorkee Certification**.



Edubull : Beyond Books, Beyond Bots.

Edubull empowers both teachers and students by providing innovative, user-friendly tools that inspire capability-building rather than rote memorization. By bridging traditional learning with the digital age. Edubull offers accessible and impactful technology that enhances the educational experience. Our research-driven approach personalizes education, focusing on each learner's unique needs to deliver a comprehensive, outcome-oriented journey in learning.



Let's Build Your School's Future, Together.

Watch the lab **come alive!**

The **Vishwakar Lab** is more than a product; it's a complete partnership. We provide the lab, the curriculum, and the expert teacher, so you can provide the vision.



Click here!

<https://youtu.be/pu9Md2eju8w>



SCAN
ME!

PARTNER WITH US TO CREATE THE FUTURE

Schedule Your Complimentary Demo & Consultation:



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+91 93112 26016



contact@edubull.com



www.compositeskillslab.com