edufront's
STEM
TEACHER TRAINING
PROGRAM

"Nurture your Home-Grown Talent"

www.edufront.co.in

Welcome to Edufront

Edufront was co-founded by Satish Jha and Shantanu Jha with a mission to bring world-class educational technology to underserved regions, ensuring that quality education is not a privilege but a right for all.

Through their innovative approach, they have pioneered the creation of Flagship Digital Schools—centers of learning excellence that set new standards in education across India. Edufront also established Beacons of Excellence, initiatives that highlight and enhance the quality of education in various regions.

- Launched PINGAL, a cutting-edge robotics program.
- Designed to introduce students to the world of robotics and advanced technology.
- Focused on making these initiatives affordable.
- Ensuring that excellence in education is accessible to all.

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Education Upgraded

Why is STEM Important ?

01. 80% of all jobs will require STEM competency to some degree by 2027.

02. NEP has mandated the incorporation of robotics and coding into the curriculum.

03. Students get more curious, they develop a love for Science and Maths.

Current Challenges

01. Lack of trained personnel fitting NEP requirements.

02. Lack of curated curriculum for Robotics.

03. Tinkering Labs only provide mechanical insight.

04. Current Robotics programs are only as good as the teacher

What we Offer

TRAINING COURSES

Online
Offline

- **15 Sessions - 15 Days Course.**
- **Evening batches.**
- **2hrs each session.**

- **Created in the US Curated for India.**
- **Online or Offline sessions (Bhikaji Cama Place, Delhi)**

- **Learn the complete PINGAL program.**
- **All 15 Projects.**

- **Accredited US certification (STEM.org).**
- **Teachers receive 1 Kit for an extra charge.**

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Course Modules

01. Module 1 (Scratch)

- Basic block coding concepts
- Introductory projects in a playful environment
- Focus on sequences, loops, conditionals

02. Module 2 (TinkerCAD)

- Virtual electronics and robotics simulations
- Slight introduction to text commands
- Build foundational knowledge before advancing to real Arduino

03. Module 3 (Arduino)

- Transition from block-based to text-based coding
- Focus on real-world projects (LEDs, sensors, motors, etc.)
- Advanced automation concepts

04. List of all Projects

- Hello Pingal
- LED Blinker
- Home Run Hitter
- Flicker Fusion
- Traffic Light
- Taco Time
- Clap ON Clap OFF
- Theft Alarm

- Dance Party
- Decibel Detector
- Smart Lamp
- Dodge the Stars
- Simon Says
- Melody Generator
- Riddle Me This

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Lives Changed

Meet **Teacher Manoj Verma.**

A Class favourite, beloved for his kindness and work ethic.

Through our program, Shri Manoj is now the **First U.S certified Robotics Trainer** in India.

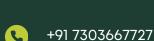He now leads the AVM Ambabari School Jaipur in all things Robotics.

Manoj Verma

Empowering young minds with the tools of tomorrow has always been my dream. Through this program, I've not only expanded my own horizons but have also been able to inspire my students to reach new heights in robotics and technology.

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