



AVP FUTURETECH

— LEARN • INNOVATE • TRANSFORM —

AVP INNOVATION HUB

— ADVANCED AI, ROBOTICS, IOT, —
AUTOMATION AND STEM LAB FOR SCHOOLS



www.avpfuturetech.com



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LEARN • INNOVATE • TRANSFORM

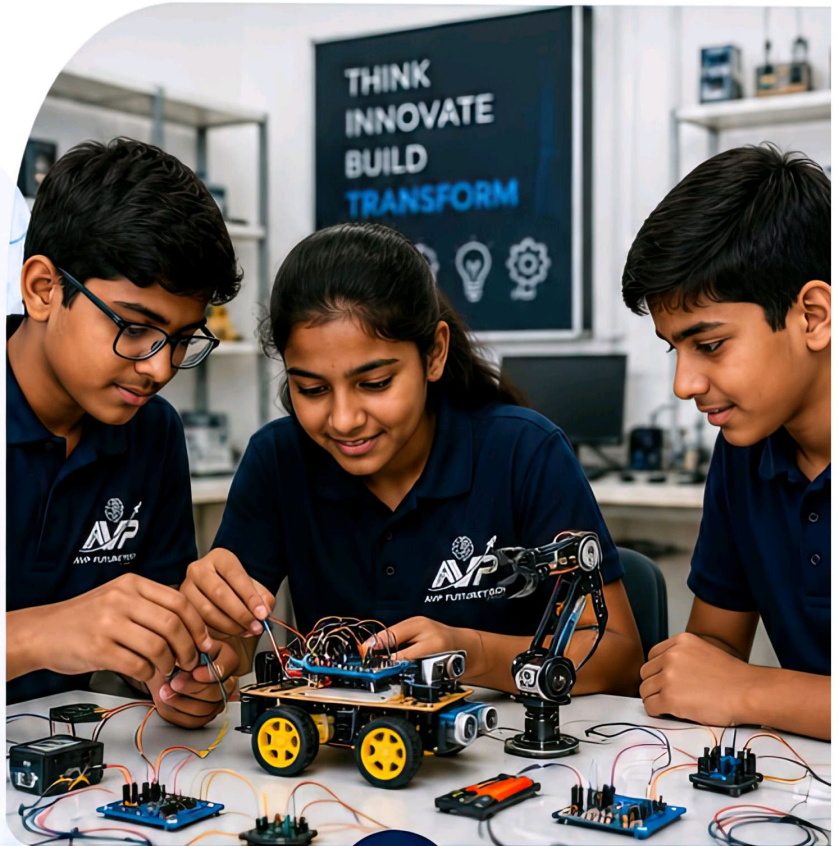


WHO WE ARE

AVP FutureTech is a **Sindhudurg-based startup** founded with a mission to bring world-class **AI, Robotics, and STEM education** to schools in our region.

Being **locally rooted**, we deeply understand the needs, infrastructure, and aspirations of schools in **Sindhudurg and the Konkan region**.

We have designed our program specifically around that context—**bridging the gap** between urban tech-ed access and rural/semi-urban schools.



OUR VISION

To make every student in our region **future-ready** by democratizing access to **AI, Robotics, and emerging technology education**.



OUR MISSION



To **empower schools** with free, high-quality, hands-on innovation labs.



To **train and support teachers** with continuous learning and resources.



To build a generation of confident, innovative problem-solvers aligned with **NEP 2020**.

LOCAL ROOTS. GLOBAL STANDARDS.



Locally
Rooted



Globally
Inspired



World-Class
Quality



Community
Driven



Future
Focused



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02



PROGRAM INTRODUCTION

AVP INNOVATION HUB

ADVANCED AI, ROBOTICS, IOT, AUTOMATION AND STEM LAB SETUP FOR YOUR SCHOOL.

A state-of-the-art, fully-equipped innovation lab setup inside your school, owned by AVP FutureTech, covering AI, Robotics, STEM, Coding, IoT and Design Thinking through hands-on, project-based learning for **Grades 1–10**.



100% Practical Learning



Dedicated Trainer



LMS-Based Learning



Performance-Based Certification



CBSE/AIM 2.0/ NEP-Aligned Curriculum



Real-World Projects

WHAT WILL STUDENTS EXPLORE?



AI

Build intelligent solutions



Robotics

Design & build real robots



STEM

Explore core concepts



Coding

Think like a developer



IoT

Connect the physical & digital



Design Thinking

Solve real-world problems

**Hands-On Learning.
Real-World Impact.**

Grades 1 – 10

*Small Steps.
Big Innovations!*



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WHAT'S INCLUDED IN THE PROGRAM

A Complete, End-to-End Innovation Lab Experience for **Every School**

01



ADVANCED AI, ROBOTICS, IOT, AUTOMATION AND STEM LAB SETUP FOR YOUR SCHOOL.

Complete AI & Robotics lab installed in your school at zero cost.

- Robotics Kits
- Sensors & Modules
- Tools & Equipment
- Safety & Storage Setup

02



DEDICATED TRAINER

On-ground, trained instructor conducts regular, hands-on sessions for students.

- Full-time / Part-time
- Lab Management
- Mentoring & Guidance

03



LEARNING MANAGEMENT SYSTEM (LMS)

Digital platform with structured lessons, resources, and real-time progress tracking.

- Interactive Lessons
- Quizzes & Assignments
- Student Progress Reports

04



PERFORMANCE-BASED CERTIFICATION

Students earn certificates based on skill assessment and project completion.

- Skill Validated
- Project-Based
- Builds Career Confidence

05



CURRICULUM ALIGNMENT

Fully mapped to national & innovation standards to ensure compliance and future readiness.

- CBSE Aligned
- AIM 2.0 (Atal Innovation Mission)
- NEP 2020 Compliant

06



REAL-LIFE PROJECTS

Students solve real-world problems through exciting, grade-appropriate projects.

- Smart Agriculture
- Healthcare Tech
- Automation & IoT
- Drones, AI & more

07



24x7 ACADEMIC & TECHNICAL SUPPORT

Continuous academic and technical support for students, teachers, and school administration.

- Helpdesk Support
- Remote Assistance
- Quick Issue Resolution

08



FACULTY DEVELOPMENT PROGRAM (FDP)

Training sessions to upskill teachers in AI/Robotics pedagogy and lab management.

- AI & Robotics Pedagogy
- Hands-on Workshops
- Continuous Upskilling



Empowering Schools. Inspiring Students. Building Innovators.



Grades
1-10
Covered



5+
Tech Domains



Project-Based
Learning



Future-Ready
Skills



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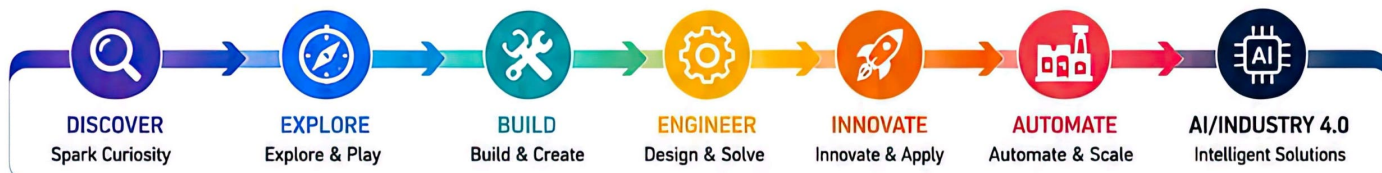
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CURRICULUM SNAPSHOT

GRADE-WISE LEARNING JOURNEY



GRADE	LEARNING FOCUS	LEARNING THEME	PROJECTS & ACTIVITIES	KEY TECHNOLOGY DOMAINS (Examples)
GRADE 1 	Early Discovery Curiosity, observation and imagination	 Me & My World	10+ Activities	 Basic Electronics  Story Robotics  Creative Play
GRADE 2 	Hands-on Exploration Explore, tinker and express	 Our Surroundings	12+ Activities	 Sensors  Simple Machines  Block Coding
GRADE 3 	Creative Building Build, create and experiment	 Amazing Machines	15+ Activities	 Robotics Basics  Electronics  Visual Coding
GRADE 4 	Applying Concepts Apply learning to solve simple problems	 Smart Living	18+ Activities	 IoT Basics  Micro:bit/Arduino  3D Design
GRADE 5 	Design Thinking Design, test and improve solutions	 Innovation Around Us	20+ Activities	 Robotics  Electronics  App/Block Coding
GRADE 6 	Problem Solving Analyze, design and prototyping	 Technology in Action	22+ Activities	 Arduino & IoT  Sensors  3D Printing
GRADE 7 	Engineering Mindset Engineer, test and optimize	 Sustainable Solutions	24+ Activities	 Robotics Advanced  IoT & Cloud  AI Basics
GRADE 8 	Advanced Application Integrate, automate and innovate	 Smart Systems	26+ Activities	 AI & Machine Learning  Python Coding  Electronics Advanced
GRADE 9 	Real-world Innovation Build advanced solutions for real-world impact	 Global Challenges	28+ Activities	 AI/ML Applications  Data Analytics  Robotics & Automation
GRADE 10 	Industry Readiness Design, automate and lead innovation	 Future Ready Technologies	30+ Activities	 AI & Deep Learning  Industry 4.0  Automation & IoT



Progressive Learning
Path from Grades
1 to 10



Aligned with
NEP 2020, CBSE &
AIM 2.0



Project-Based
Learning at Every
Stage



Future-Ready Skills
for the Next
Generation



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COMPETITIONS, EXPOSURE & RECOGNITION

Real Opportunities. Real Platforms. Real Impact.



Participation in National-Level Competitions, Hackathons & Expos

Students compete, collaborate, and create solutions to real-world problems across India.



State and National Level Exposure

Represent your school and region in prestigious platforms and showcase your talent.



Exams, Assessments & Skill Competitions

Built-in assessments, Olympiads, and skill challenges to benchmark and boost capabilities.



Free Certifications for Every Student

Performance-based certifications in AI, Robotics, Coding, IoT and more to build strong portfolios.



Opportunities to Showcase Projects at Innovation Fairs and STEM Events

Present, pitch, and get recognized for your ideas and innovations.



**NATIONAL
ROBOTICS & AI
INNOVATION EXPO 2025**
INNOVATE • INSPIRE • IMPACT

**SMART IRRIGATION
USING AI & IoT**
AVP FUTURETECH

WINNER
AVP Innovation
2025

 We don't just teach technology,
we create **achievers** and
future leaders.

Students Get Recognized. Skills Get Rewarded.



Medals & Trophies
for Winners



Participation
Certificates



Merit & Excellence
Awards



Industry & Academic
Recognition



Pathway to National
& International
Platforms



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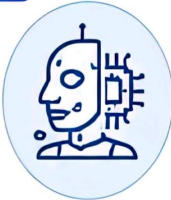


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BENEFITS FOR STUDENTS

Learn Today. Lead Tomorrow.

01



Hands-on Exposure to Future Technologies

Early and consistent exposure to AI, Robotics, IoT, Coding & Design Thinking builds curiosity, confidence and innovation mindset.

02



Real-world, Project-Based Learning

Learn by doing! Work on exciting, real-world projects that make learning practical, relevant and unforgettable.



03



Recognized Certifications that Build Your Future

Earn industry-recognized certifications that strengthen portfolios and boost college applications and scholarships.

04



Platform to Compete at State & National Level

Get the opportunity to participate in competitions, hackathons, olympiads and innovation challenges across India.

05



Develop 21st-Century Skills



Critical Thinking



Creativity & Innovation



Collaboration



Communication



Problem Solving

Build the mindset and skills needed to thrive in a dynamic, technology-driven world.

06



NEP 2020-Aligned Experiential Learning

Our curriculum is aligned with NEP 2020, promoting experiential, multidisciplinary, and competency-based learning.

07



Career Readiness for Future Tech Industries

Build in-demand skills and hands-on experience to prepare for emerging careers in AI, Robotics, Data Science, IoT, Automation and more — aligned with Industry 4.0/5.0.

FUTURE-READY CAREER PATHS



AI & Machine Learning



Robotics Engineer



Data Scientist



IoT Solution Architect



Product Designer



Entrepreneur & Innovator



Today's Learners. Tomorrow's Leaders. Building a Better World Through Innovation.



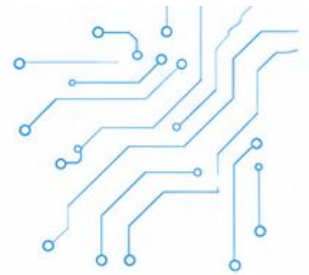
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BENEFITS FOR SCHOOLS

Stronger Schools, Smarter Classrooms.
Future-Ready Students.



Build a future-ready learning environment with cutting-edge AI, Robotics & STEM education.



01



Customized, Best Suited for School Infra & Exclusively Designed for Respective School

- Tailored to your school's infrastructure, space and requirements.
- Flexible design for each school's unique needs and goals.

02



Enhanced School Reputation & Competitive Edge

- Strengthen your school's brand as an innovation leader.
- Attract more admissions with future-ready education.

03



Teacher Upskilling with FDPs at No Extra Cost

- Regular Faculty Development Programs on AI, Robotics, STEM pedagogy and lab management.
- Empower teachers to deliver future-focused learning.

04



Alignment with CBSE, AIM 2.0 & NEP 2020

- Curriculum aligned with CBSE, AIM 2.0 (Atal Innovation Mission), and NEP 2020 mandates.
- Ensures compliance and future readiness.

CBSE

AIM 2.0
ATAL INNOVATION MISSION



NEP 2020

05



Dedicated Trainer & 24x7 Support Reduces Operational Burden

- On-ground dedicated trainer conducts regular sessions.
- 24x7 academic & technical support for teachers, students & school administration.

06



Showcase Opportunities in State & National Events

- Get your school and students featured in innovation fairs, expos, hackathons & media showcases.
- Build visibility and recognition at larger platforms.

07



Strengthened STEM Ecosystem & Measurable Outcomes

- Integrated LMS provides real-time dashboards, assessments & progress tracking.
- Data-driven insights help schools improve outcomes and demonstrate impact.
- Build a sustainable innovation culture across the school.



A SMART INVESTMENT IN YOUR SCHOOL'S FUTURE



Minimum Investment
Maximum Impact



Better Learning
Outcomes



Stronger School
Reputation



Policy-Aligned
& Future-Ready



Lower Operational
Burden



Recognition &
Growth



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WHY CHOOSE AVP FUTURETECH?

Built for Our Region. Focused on Your Future.



Locally Rooted in Konkan Region

We understand our schools, parents & students better.



Designed for Our Community

Program structured as per regional needs, mindset & resources.



Customized Lab Solutions for every School

Tailored to your school's infrastructure, needs & goals.



End-to-End Support Ecosystem

Lab Setup • Trainer • LMS • Certification • Competitions • 24x7 Support



Expert-Designed, Govt.-Aligned

Curriculum by industry experts aligned with CBSE, AIM 2.0 & NEP 2020.

WHAT SETS US APART?



Cost to School & Students

Truly sustainable program



No hidden charges. Transparent and fair pricing for long-term growth.



Advanced Lab Setup

Hardware, tools & infrastructure



Complete ecosystem will be designed for schools.



Trainer & Capacity Building

Human support that makes a difference



Dedicated trainer + FDPs for teachers – free of cost.



Learning Management System (LMS)

Digital learning & tracking



Smart LMS with lessons, quizzes, tracking & reports.



Certifications

Recognition that matters



Performance-based certificates for every student.



Competitions & Exposure

Beyond the classroom



Participation in state & national level events and competitions.



Curriculum Quality

Industry-backed & future-ready



Designed by industry experts, aligned to CBSE, AIM 2.0 & NEP 2020.



LAB OWNERSHIP

A promise we keep



Lab ownership will be by School side from Day 1. Operations and Maintenance will be taken care by AVP FutureTech.



We don't just run a program, we build a long-term partnership.

Our mission is to empower every school in the Konkan Region with world-class innovation, without any financial barriers — today and always.



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MEET OUR FOUNDERS



Avishkar Kamble

Business Administration & Strategy Head

7517238914

avishkar.kamble@avpfuturetech.com

**AI & ML Engineer,
MBA in Data Science &
Business Analytics**

Experienced in EdTech administration, curriculum design, government schemes, operations and building strong partnerships for schools.

OUR RESPONSIBILITIES

- Curriculum Design & Content Strategy
- Government Schemes & Grants
- Administration & Operations
- School Partnerships & Relationship Building
- Project Design & Implementation

OUR SPECIALIZATION

- AI/ML Education & Curriculum Development
- Data-Driven Program Planning
- Educational Policy & Grant Advisory
- Academic Operations & Compliance



Vaishnav Kubade

R&D & Product Head

7744001079

vaishnav.kubade@avpfuturetech.com

**AI & ML Engineer
Graduate**

Experienced in EdTech technical leadership, R&D, product development and driving innovation with future-focused solutions.

OUR RESPONSIBILITIES

- Technical Leadership
- Research & Development
- Product & Prototype Development
- Sales & Marketing Strategy
- Technology Integration & Support

OUR SPECIALIZATION

- AI, IoT & Robotics Technologies
- System Architecture & Development
- R&D and Innovation
- Automation & Smart Solutions
- Market Research & Strategy



Prathmesh Narvekar

Business Development Head

8888666593

prathmesh.narvekar@avpfuturetech.com

Computer Engineer

Experienced in EdTech content delivery, client handling, business development and managing long-term relationships.

OUR RESPONSIBILITIES

- Content Delivery & Training
- Client Handling & Support
- Relationship Management
- Business Development
- Program Coordination & Execution

OUR SPECIALIZATION

- EdTech Training & Content Delivery
- Communication & Client Relations
- Business Growth & Strategy
- Student Engagement & Mentorship
- Program Management

OUR EXPERTISE & COMBINED STRENGTH



End-to-End EdTech
Solutions for Schools



AI, IoT, Robotics &
STEM Expertise



Curriculum, Training &
Hands-on Learning



Strong Partnerships &
Community Building



Innovation, Research &
Future Readiness

GET IN TOUCH

Let's collaborate with schools, institutions and organizations to empower students and build a future-ready India.



ADDRESS

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WEBSITE

www.avpfuturetech.com



Empowering Young Minds. Building a Future-Ready India.



AI ROBOTICS IoT & STEM LAB

Learn • Build • Experiment • Innovate

30-40
Students Capacity

500-700 sq. ft.
Recommended Area

Future Ready Skills
AI | Robotics | IoT | Automation | STEM

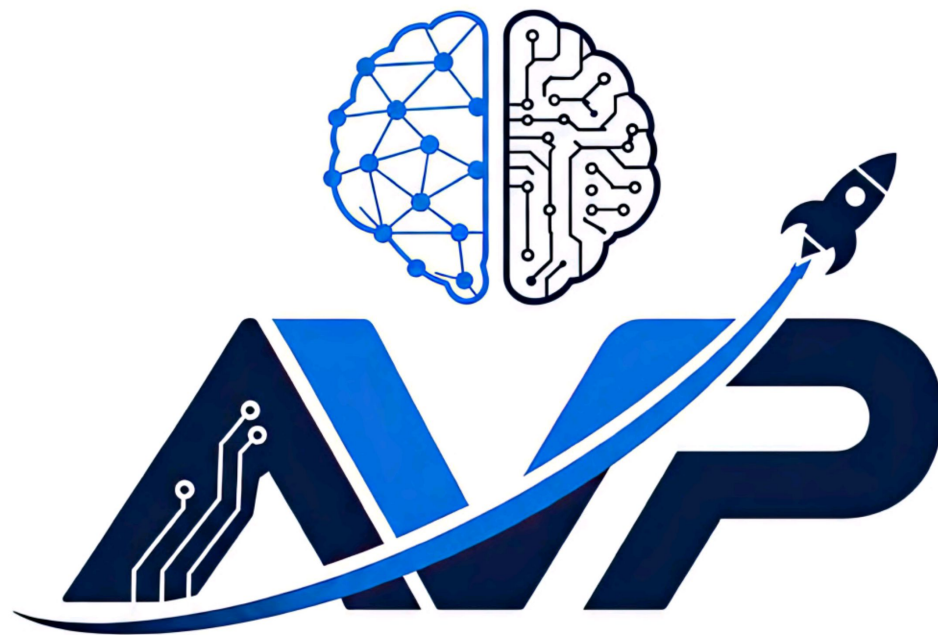


- 1 Interactive Panel Zone**
(75" 4K Touch Panel with OPS PC)
- 2 3D Printing Zone**
(2 Printers + CAD Workstation)
- 3 Break & Build Section**
(Tools, Components, Working Bench)
- 4 Robotics Zone**
(Humanoid, Robotic Arm, Bionic Arm, Robot Dog, Spider Robot)
- 5 Drone Zone**
(Assembly Area + Flight Simulation)
- 6 Component Storage**
(Bins, Cabinets, Tool Wall)
- 7 Student Workstations**
(10 Tables - 3 Students per Table)
- 8 AI & Computer Vision Zone**
(Raspberry Pi, ESP32-CAM, Vision Projects)
- 9 AR/VR Zone**
(Headsets, AR Learning, VR Experience)
- 10 Project Display Area**
(Showcase & Innovation Wall)

1 Interactive Panel Zone 75" 4K Touch Panel - OPS PC - Wireless Keyboard/Mouse - Teacher's Desk	2 3D Printing Zone 2 x 3D Printers - Filament Storage - CAD Workstation - Tools & Accessories	3 Break & Build Section - Tool Wall - Component Bins - Working Bench - Power Outlets	4 Robotics Zone - Humanoid Robot - Robotic Arm - Bionic Arm - Robot Dog / Spider Robot	5 Drone Zone - Mini Drones + F450 Kit - Flight Controller - Spare Parts - Simulation System	7 Student Workstations 10 Tables (3 Students each) - Laptop / Components - Power & USB Charging - Storage Drawers	8 AI & Computer Vision - Raspberry Pi 5 - ESP32-CAM - Camera Modules - AI Project Kits	9 AR/VR Zone - VR Headsets - AR Learning Kit 360° Content - Experience Station	10 Project Display Area - Student Projects - Innovation Wall - Robot Showcase - Awards & Achievements
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Hands-on Learning | Real-World Skills | Innovation & Creativity | Future Ready

Small Space | Big Ideas | Endless Possibilities



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