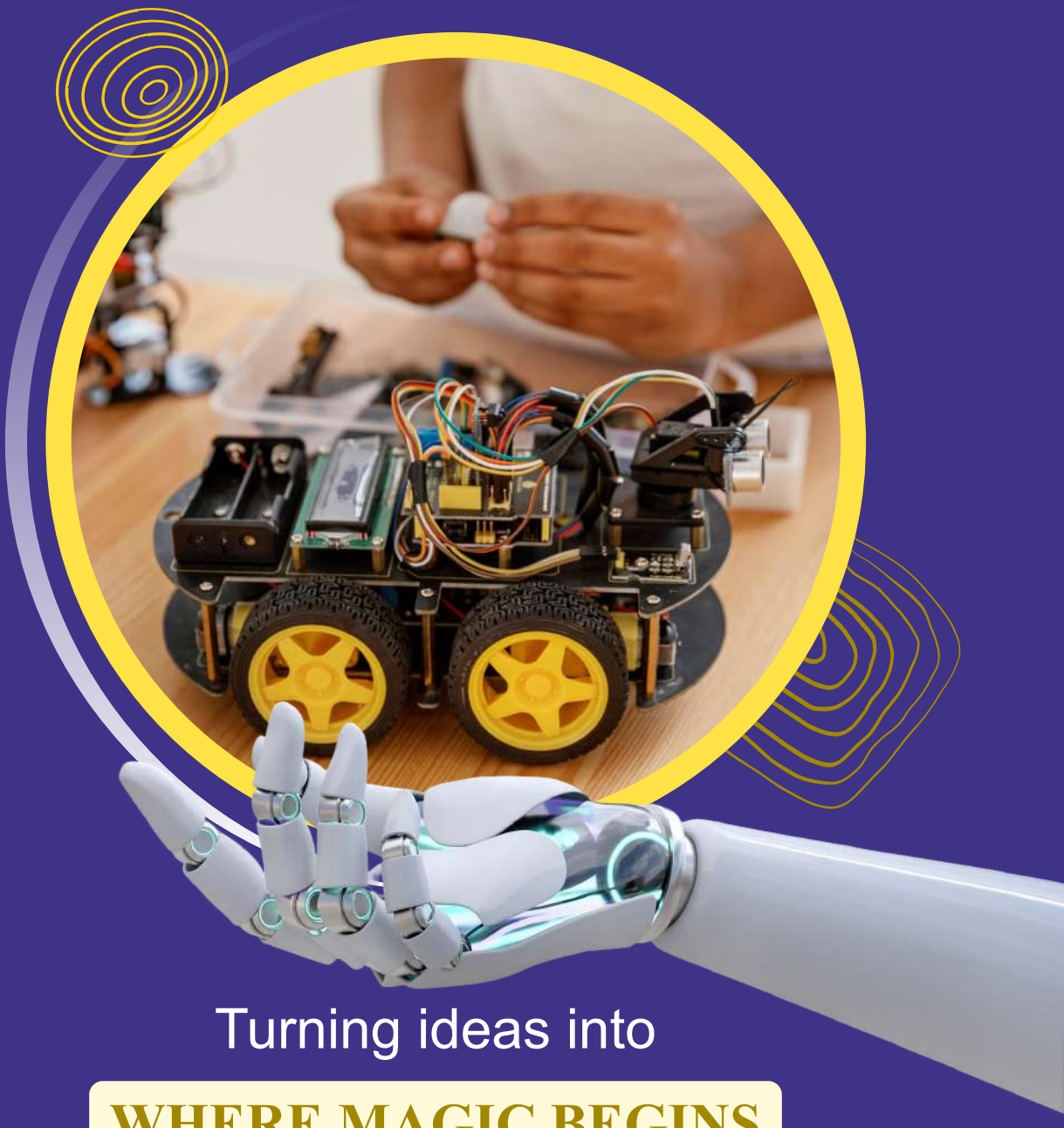
CARE CUBS

PLAY. LEARN. INNOVATE.

Empowering Future-Ready Learners through AI, Robotics & Design Thinking



Turning ideas into

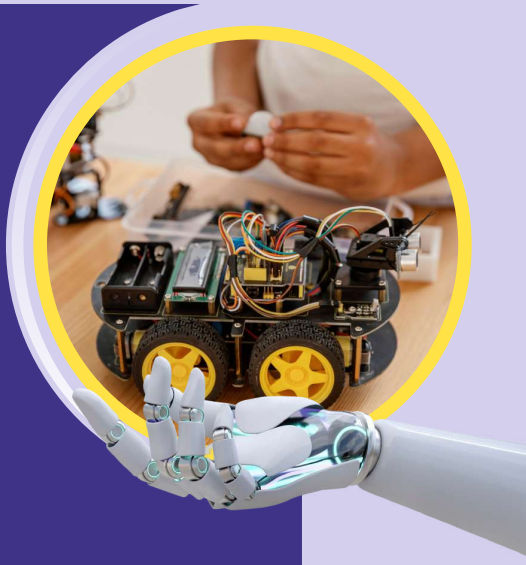
WHERE MAGIC BEGINS

A complete **Solution** for **Stem Education**

Play. Learn. Innovate.

About Us

Care Cubs is a deep-tech edtech company revolutionizing how **children learn AI, Robotics, 3D Printing, IoT, Drone Technology Design Thinking.** Founded by a team of educators, technologists, and legal experts. We bring hands-on STEM innovation labs and future-skills programs into schools and learning centers.



Founder: Dr. Nandini Goyal

Established: 2024

Headquartered in: Panchkula, Haryana

Core Belief

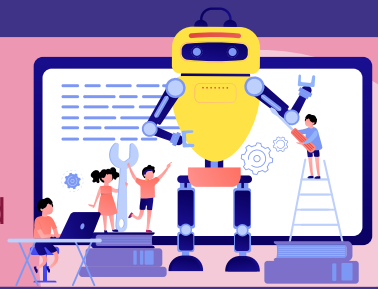
Every child deserves access to cutting-edge technology education, irrespective of background.

VISION

To ignite curiosity and innovation in every learner by making technology education accessible, practical and future- oriented.

MISSION

To transform schools into hubs of innovation by integrating real-world STEM education aligned with NEP 2020, preparing students for emerging careers and challenges.



Scope of Work with Us

Lab & Equipment Setup

We establish fully equipped Innovation Labs with **AI, Robotics, IoT, Drones, and 3D Printing** hardware. Our setup includes optimized layouts, licensed software, continuous maintenance and upgrades.

Curriculum Integration

We seamlessly align our **tech curriculum with school academics**, offering **NEP 2020** and CBSE/ICSE-aligned grade-wise modules, step-by-step learning pathways, integration with core subjects and flexible scheduling.

Faculty Training

We build teacher capacity through **structured training programs**, certified workshops on emerging technologies, lab orientations, comprehensive teaching resources and ongoing academic & technical support.

Student Programs

We drive student engagement through **interactive sessions, real-world projects, national competitions, internships, hackathons, and portfolio development**, fostering innovation and career readiness.

Monitoring & Reporting

We ensure **transparency and measurable outcomes** with student progress tracking, teacher feedback, quarterly school leadership reviews and optional parental engagement.

Our Focus Areas CareCubs

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- Engineering & Design Thinking
- Drone Technology
- Coding & Development
- Robotics Technology
- Automation
- Designing
- Internet Of Things (IoT)
- Computation Al Thinking
- App Development
- Game Development
- Mechanics
- AI & Machine Learning
- 3D Designing and Printing
- Physical Computing

Execution of SEP – STEM Excellence Program

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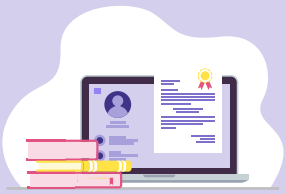
Execution Offline Sessions



Courses & Curriculum Integration

- Grade-wise NEP 2020-aligned curriculum
- Subject-linked lesson plans (Science, Math)
- Hands-on project-based learning
- Mentorship
- Resources & Materials
- Training & Professional Development
- Assessment and Evaluation
- Continuous Improvement

Innovation is embedded into the regular timetable, not treated as an extra activity

Faculty Deployment & Training

- Faculty deployment & training
- Certified & trained faculty provided by care cubs
- No HR burden on the school. Regular upskilling and teacher mentoring.
- Guest Lectures
- Safety Workshops
- Teacher Orientation Program
- Lab Management Program

Transparent metrics to measure impact and progress over time and then Developing future-ready skills.

Student Enrichment Monitoring & Evaluation

- Competition Preparation (FLL, WRO, NASA, Microsoft Imagine Cup, NIT Tech-fests, IIT
- Tech-fests, etc.)
- Project Development Support
- Continuous Improvement and Support
- Student review reports
- Parent showcases & updates
- Dashboard for school Management (LMS)
- Certification on module completion

Developing future-ready skills through real-world applications.

Lab Set Up & Continuous Support

- Lab Inauguration Support
- On-call Support
- Guest Lectures
- Entrepreneurship Sessions
- Design & Planning (space, layout, safety)
- Supply & Installation (AI, Robotics, IoT, Drones, 3D Printing)
- Maintenance & Tech Upgrades
- Academic and technical helpline
- Regular lab audits & equipment health checks
- New module updates & curriculum refreshers

You stay focused on academics — we handle the innovation engine. End to end execution of a state-of-the-art innovation lab tailored to your school's needs.

Approach & Pedagogy

The Care Cubs for Innovation adopts a structured, student-centered methodology designed to integrate future technologies into the K–12 learning ecosystem. Our scalable and phased implementation model focuses on experiential learning, innovation, and real-world application.

Our Approach

Constructivist Approach
- Students actively build knowledge through meaningful, hands-on experiences.

Experiential Learning
- Practical tasks such as coding, building, and experimenting form the core of learning.

Project-Based Learning
- Real-world challenges encourage critical thinking, creativity, and problem-solving.

Design Thinking
- Fosters empathy-driven innovation through ideation, prototyping, and testing.

Interdisciplinary Curriculum
- Integrates STEM concepts with real-life problem-solving across subjects.

Personalized Learning
- Provides customized learning pathways for varied skill levels and interests.

Inclusive Practices
- Supports diverse learners and multiple learning styles to ensure equitable education.

Mentor-Led Instruction
- Guidance from certified mentors and subject-matter experts for deeper understanding.

Peer Collaboration
- Encourages teamwork, leadership, and effective communication among students.

Pedagogy

Discovery & Customization
- Understand school goals and student profiles to tailor learning experiences.

Program Customization
- Align AI, Robotics, and other tech modules with different student levels.

Project-Based Learning
- Integrate technology projects into real-world classroom contexts.

Innovation Lab Setup
- Equip schools with modern tools, robotics kits, and certified resources.

Resource Deployment
- Provide structured content, hardware, and digital learning platforms.

Curriculum Alignment
- Embed technology programs seamlessly into school timetables.

Teacher Training
- Empower educators through professional development, certification, and ongoing support.

Mentor-Led Instruction
- Facilitate expert-led sessions for guided learning and project execution.

Assessment & Reporting
- Monitor and measure student progress through data-driven reports and evaluations.

What Schools Get with Every Plan

Challenges Schools Face	Care Cubs' Solutions	Details
Lack of Skilled Manpower	Trained Faculty on Our Payroll	We deploy qualified, trained STEM/AI instructors, removing the burden of recruitment and training from the school.
Unstructured or Misaligned Curriculum	Custom NEP-Aligned Curriculum	Our curriculum is grade-wise, project-based, mapped with NEP 2020, and tailored to school-specific needs.
Underutilized Lab Equipment	Curriculum-Integrated Lab Activities	Every tool is mapped to a structured lesson plan, ensuring full utilization with real-world application.
Vendors Provide Only Setup	End-to-End Lifecycle Support	From lab setup to teacher onboarding, ongoing training, audits, and upgrades—we manage it all through our Shard Integration Model.
Low Teacher Participation	Teacher Enablement Programs	We provide co-teaching models to engage academic faculty in the innovation ecosystem.
No Timetable Integration	Timetable & School Calendar Integration	Lab sessions are incorporated into school timetables with coordination from subject teachers and school heads.
No Reporting & Impact Tracking	Monthly Dashboards & Progress Reports	We share detailed monthly reports with school leaders showing student progress.
High Setup Cost Without ROI	Sustainable Pricing & Grant Support	Affordable subscription plan.

Care Cubs Innovator Program

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STEM LAB FOR ALL

Once the STEM Lab is installed, we will coordinate with the school's academic calendar and timetable to ensure seamless alignment with the STEM curriculum. An orientation session will be conducted for all students from 4th grade onwards. Following the orientation, students will engage in collaborative learning and hands-on training across various technologies, preparing them for national and international competitions.

1

SELECTION

- Goal: Inspire & Ignite Passion
- Audience: Grades 4 to 12
- Stage 1: Students with strong design thinking capabilities will be selected
- No. of Selected Students: 100

2

LEARNER

- Goal: Take Participants from Zero to Learner Level
- Audience: Level 1 (100 Students)
- Stage 2: Learn and work on various technologies
- No. of Selected Students: 60

3

TINKERER

- Goal: Elevate students from Learner to Tinkerer
- Audience: Level 2 (60 Students)
- Stage 3: Integrate learned tools to build predefined projects
- No. of Selected Students: 30

4

MAKER

- Goal: Elevate students from Tinkerer to Maker
- Audience: Level 3 (30 Students)
- Stage 4: Apply innovation process to create solutions for given problems
- No. of Selected Students: 15

5

INNOVATOR

- Goal: Elevate students from Maker to Innovator
- Audience: Level 4 (15 Students)
- Stage 5: Identify real-life problems & apply innovation process to create solutions (Self-motivated students working independently)
- No. of Selected Students: 10

6

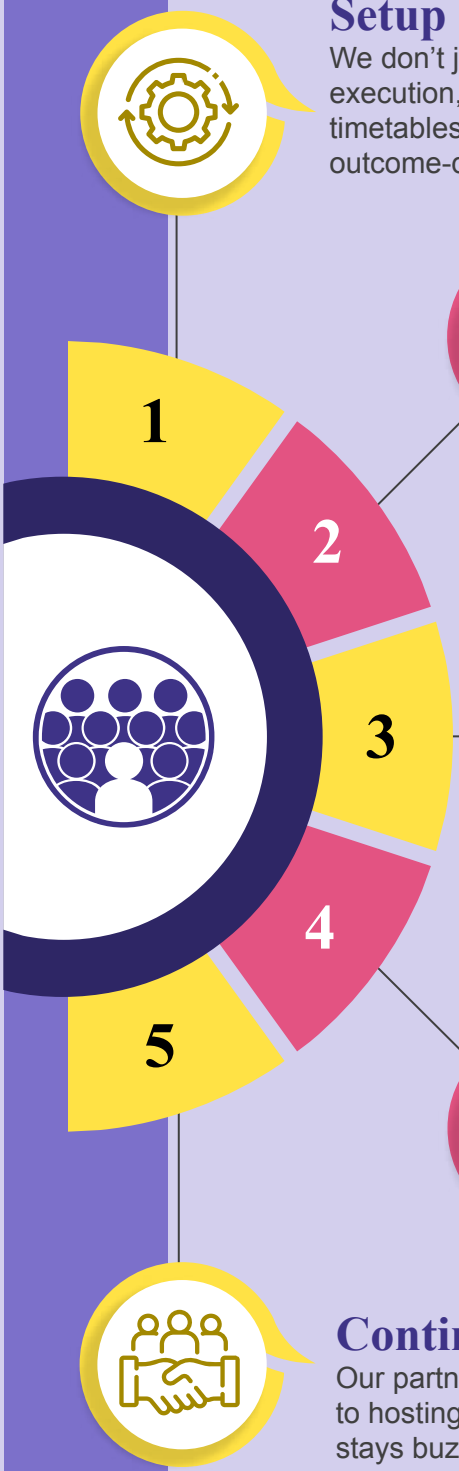
STEM CLUB (CCC)

- Goal: Participate in competitions (by AIM and others) and foster a culture of innovation
- Audience: Level 5 (10 Students)
- Stage 6: Establish a student-led, self-sustaining system
- These 10 students will form the Board of the STEM Club

How We Stand Out

CARECUBS' DIFFERENTIATORS AT A GLANCE
We don't just build innovation labs - we bring them to life.

Tagline: Care Cubs isn't a vendor - it's your school's innovation partner. We set it up. We teach. We track. We grow - together.



Setup + Operations
We don't just build labs, we run them. From installation to daily execution, Care Cubs handles everything - tools, training, timetables and teaching. Your lab stays active, innovative and outcome-driven all year round.

Faculty Included
No hiring. No training. No guesswork. Our certified STEM trainers conduct hands-on sessions across grades. Schools save time, effort and cost while ensuring quality learning delivery every single day.

Curriculum Aligned
Every grade, Every lesson, Every project - thoughtfully designed to meet NEP 2020 standards and 21st-century skill goals

Results Measured
Data speaks louder than words.
Live dashboards, monthly audits, and student progress reports keep schools informed. Every project is tracked for participation, learning impact and skill growth - making learning measurable.

Continuous Engagement
Our partnership doesn't end at setup, it evolves. From onboarding teachers to hosting innovation fairs, competitions and exhibitions - we ensure the lab stays buzzing with activity, creativity, and pride.

School's Role as a Partner - Simple. Supportive. Strategic.

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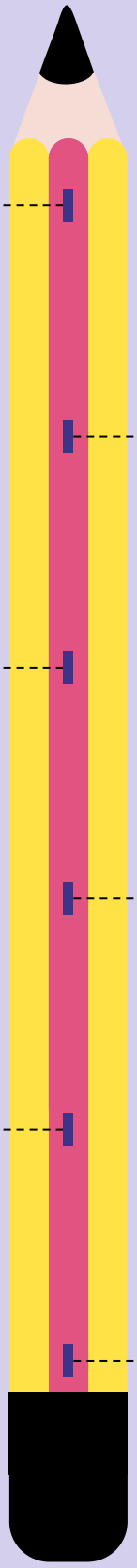
Our Commitment

- We do the heavy lifting-curriculum, trainers, equipment, reporting.
- You create the culture-support, alignment, and access.



01 Space

Provide a dedicated classroom or lab space (approx. 400–500 sq. ft.) with basic electrical points and Wi-Fi.

02 Timetable Slot

Allocate 1–2 innovation periods per week per class, integrated into the academic timetable.

03 Point of Contact

Nominate a faculty coordinator (tech or science background preferred) to act as a liaison.

04 Student Participation

Encourage regular participation across classes (Grades 1 to 12) as per the schedule.

05 Visibility & Communication

Allow us to share lab updates, student projects, and achievements through school events, PTMs, and social media.

06 Leadership Engagement

Participate in brief quarterly reviews to track progress, outcomes, and future planning.

Lab infrastructure

Let's Build A Future Together

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For Teachers

- Hands-on workshops and continuous professional development that help teachers seamlessly integrate STEAM learning into everyday classrooms.

For Students

- 100+ hands-on STEM projects
- Robotics, drones, 3D printing, coding
- Certification pathways & competitions

For School Leaders

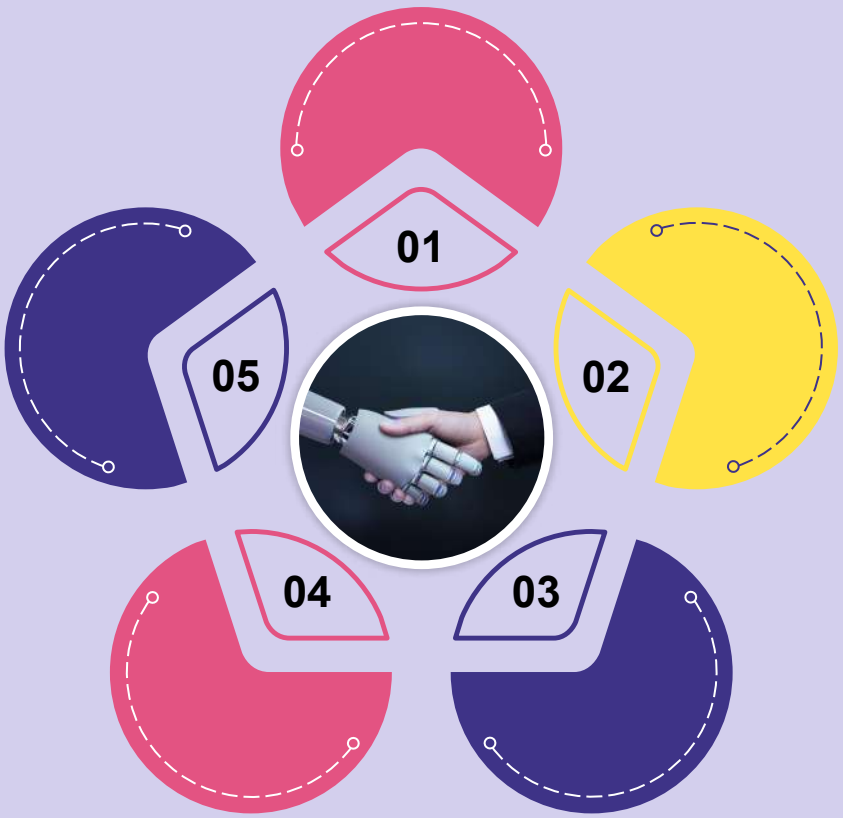
- Differentiation as a 21st-century school
- NEP 2020 compliance
- Increase in admissions & brand value

For Parents

- Visible learning outcomes
- Child-friendly take-home projects
- Early career exposure to AI & tech

Our Partners

Andale Public School, Panchkula



New Green Field School, Patliputra

Bhojia Vidyapeeth School, Baddi

BLS International School, Hathras

GRSD School, Ambala

Recognition and Certifications

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Skill India
कौशल भारत - कुशल भारत

ATAL INNOVATION MISSION

ISO
9001:2015

avishkaar
Make! We Can

STEM.ORG
AUTHENTICATED™
EDUCATIONAL PRODUCT

STEM.ORG
ACCREDITED™
EDUCATIONAL PROGRAM

Our Workshops and Training












Our Centre Workshops

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Let's Get to Work Together

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With a future-focused curriculum, world-class educators, and immersive learning experiences, we ensure that your school becomes a leader in technology education.