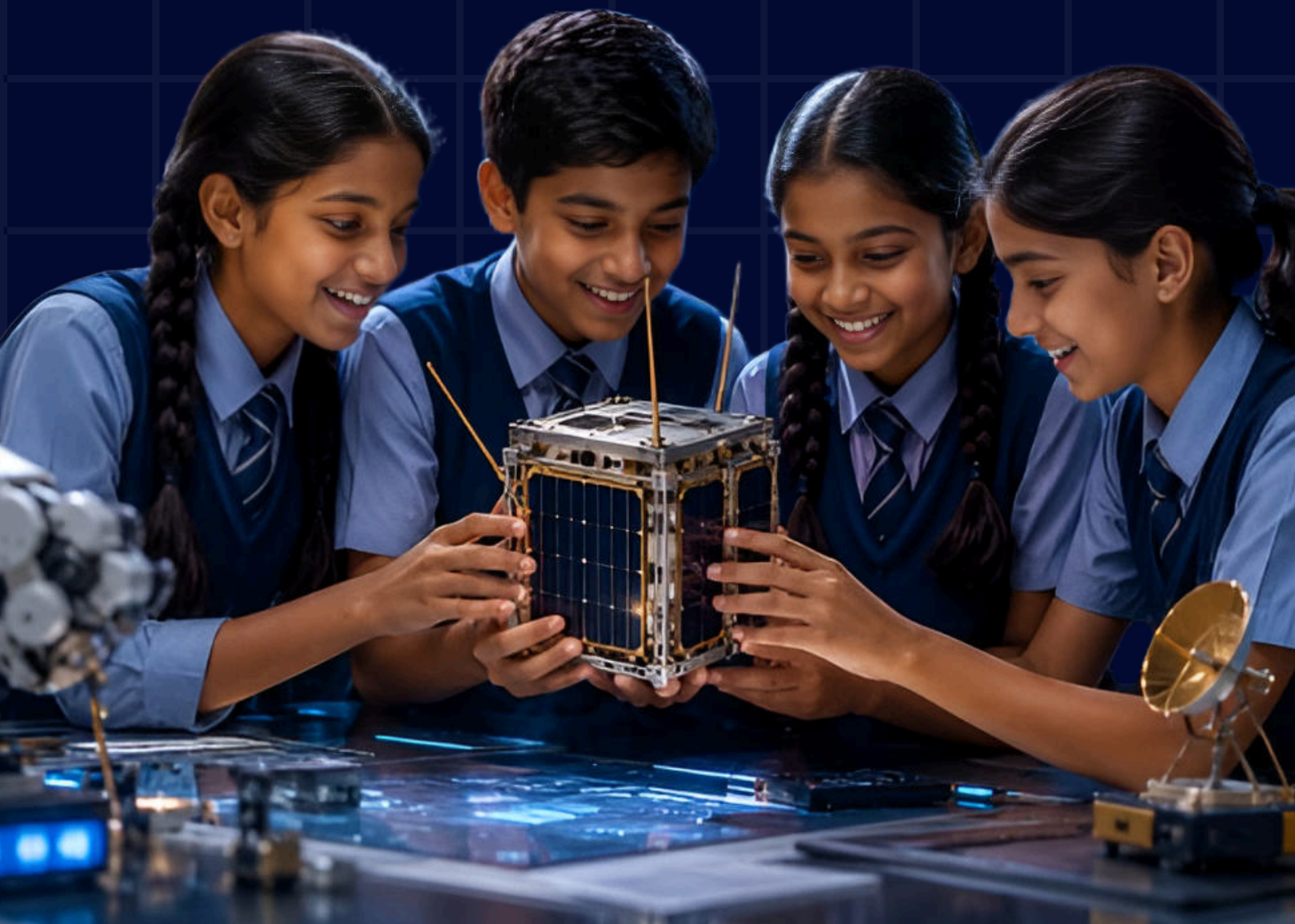




EMPOWERING THE NEXT GENERATION OF **INNOVATORS**



Founder Message



Mohamed salahudeen

Founder & CEO, QSAT

“

When I started QSAT, the idea was simple to make space science simple and accessible for every student. I believed that the best learning happens when students explore, experiment, and discover beyond the classroom.

As we worked with schools and young learners, I realized that what truly inspired them wasn't just space science .it was the opportunity to build, innovate, and solve **real-world problems**. That realization led to the creation of QSAT Academy, where technology, innovation, and future skills come together to prepare students for the future.

Today, our mission is to create meaningful learning experiences that spark curiosity, build confidence, and inspire the next generation of innovators. I sincerely thank every student, educator, parent, and partner who has been part of this journey. Together, let's continue building a future where every learner has the opportunity to explore, create, and make a difference.

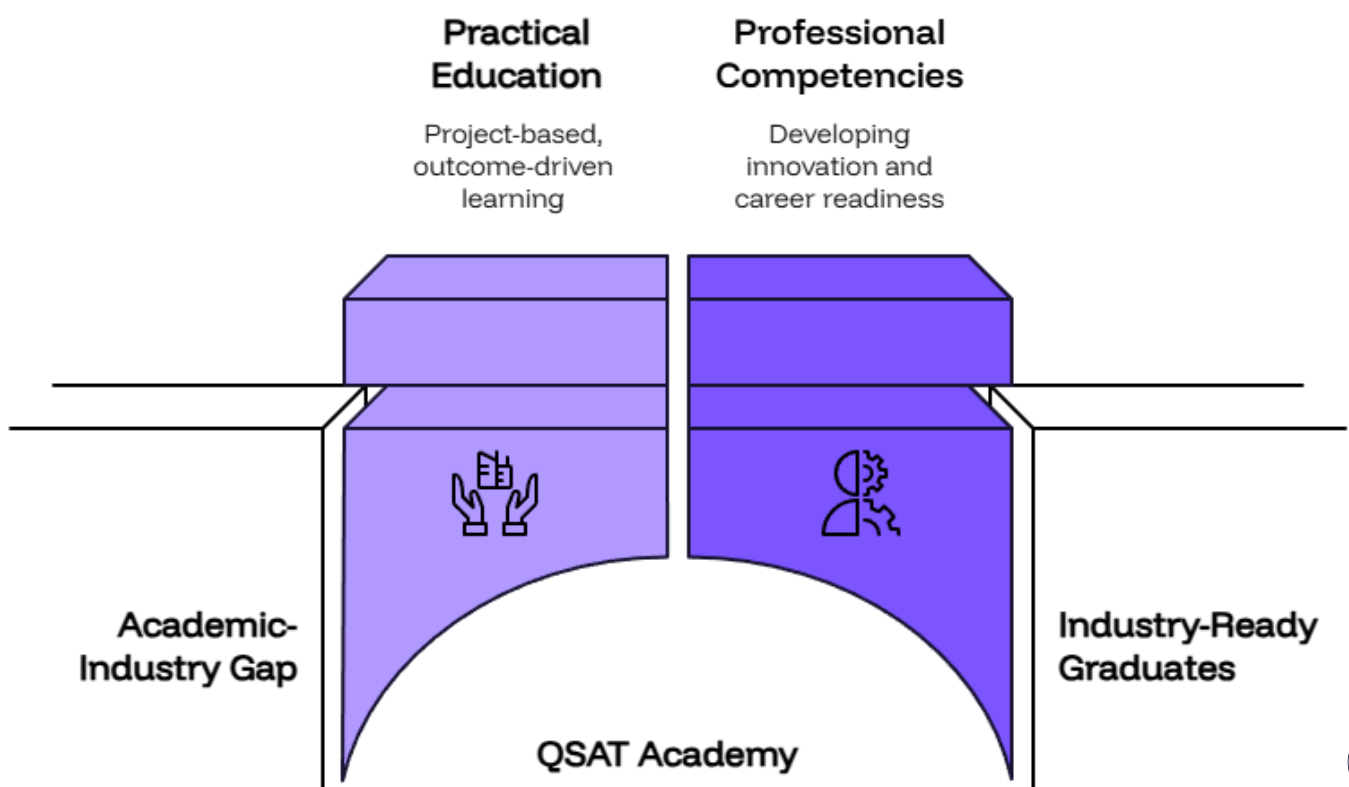
Inspiring the next generation

About QSAT Academy

QSAT Academy is the education and innovation division of **QSAT**, dedicated to empowering students through experiential STEM education, future skills, and hands-on learning. We inspire young minds to explore, create, innovate, and become confident future-ready learners.

Our mission is to transform classroom learning into meaningful real-world experiences through curiosity, creativity, collaboration, and project-based education.

Bridging the Academic-Industry Gap

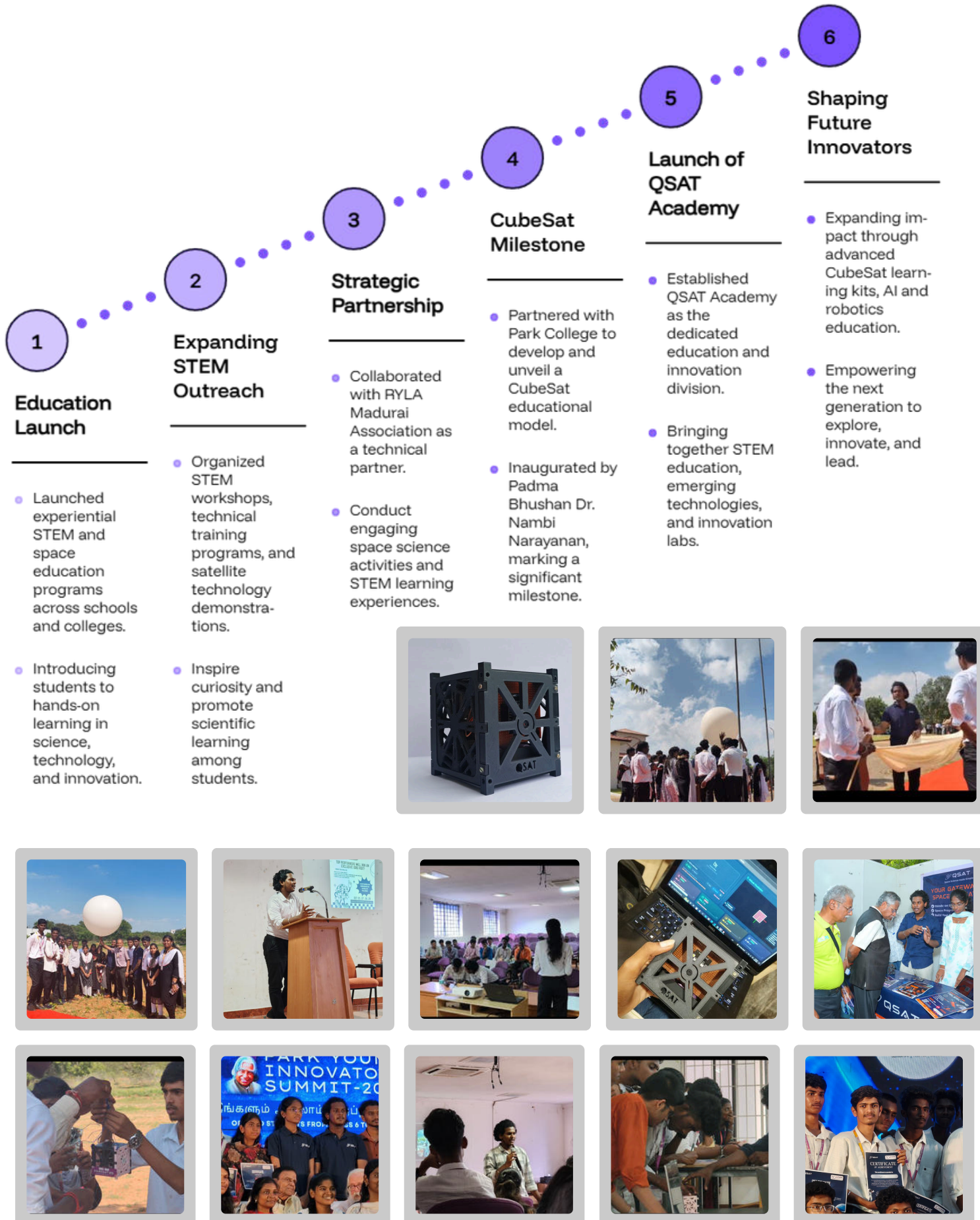


Our Journey

QSAT was founded with a vision to transform STEM and space education through experiential learning. What began as an initiative to make advanced technologies accessible has evolved into a growing educational ecosystem that empowers learners through innovation, creativity, and hands-on experiences. Every milestone reflects our commitment to shaping the next generation of scientists, engineers, innovators, and leaders.



Our Journey



Achievements & Impact

Every milestone at QSAT reflects our commitment to making STEM and innovation education more accessible, engaging, and impactful. Through pioneering educational initiatives, strategic collaborations, and **hands-on learning** experiences, we continue to empower students, educators, and institutions to embrace the future of science and technology.

Dr.Nambi Narayanan
ISRO. Rocketry 2022



Achievements & Impact

Successfully introduced hands-on STEM and space education programs

Students learning through exploration



Designed and developed and launched a india's 1st cubesat diy kit

India's first CubeSat DIY kit launch



Designed and developed a CubeSat educational model in collaboration with Park College

CubeSat educational model demonstration



Launched a high quality telescope kit diy

High-quality telescope kit launch



CubeSat initiative inaugurated by Padma Bhushan Dr. Nambi Narayanan

Recognition by space leadership



Established collaborations with schools, colleges, and organizations

Educational partnerships expansion



Established QSAT Academy

Dedicated learning ecosystem launch



Vision

To become India's leading future-ready education ecosystem that empowers every student to become an innovator, problem solver, responsible global citizen, and lifelong learner through experiential, **interdisciplinary**, and technology-driven education.

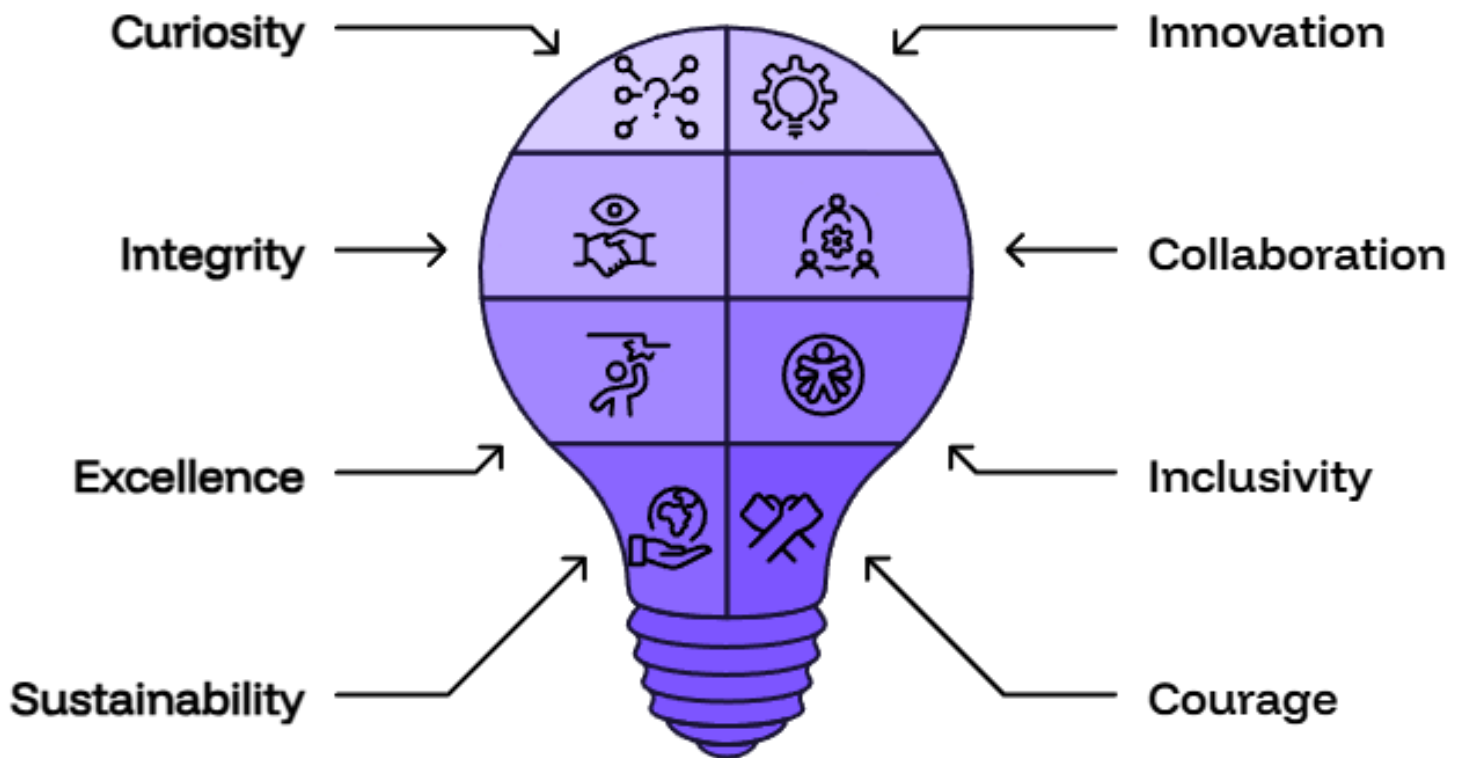
We envision a generation of learners who not only excel academically but also possess the creativity, confidence, and compassion to solve **real-world challenges** and shape a better future.

Mission

Our mission is to inspire and equip school students with practical knowledge, emerging technologies, future skills, and innovation-driven learning experiences that prepare them for higher education, careers, entrepreneurship, and meaningful contributions to society.

Values

Our values are the foundation of everything we do. They shape our culture, inspire innovation, and guide every learning experience as we empower students to become responsible, creative, and future-ready leaders.



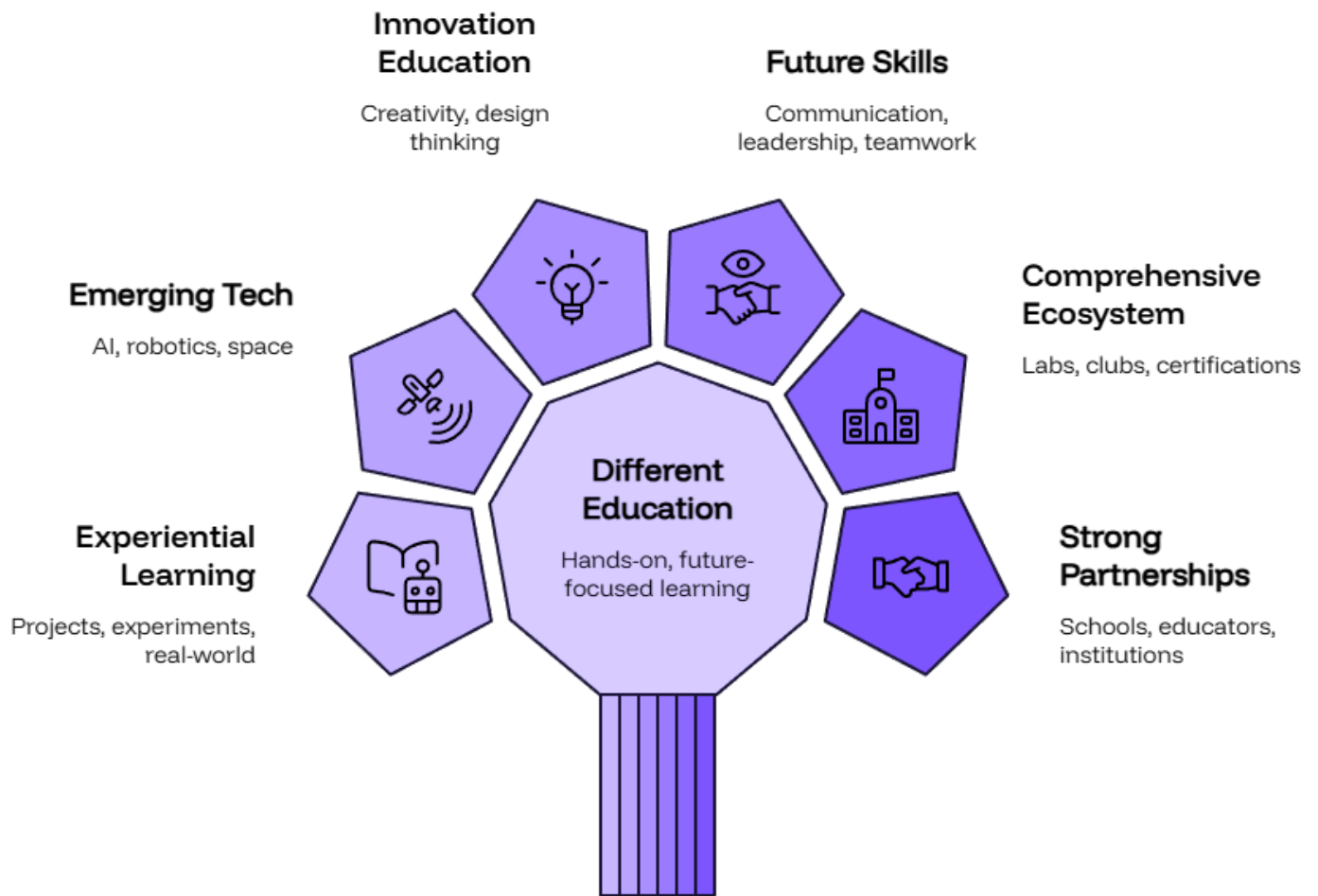
Why QSAT Academy

The world is changing faster than ever, yet traditional education often struggles to keep pace. At QSAT Academy, we believe students need more than academic knowledge. they need the ability to think critically, solve **real-world problems**, collaborate effectively, and adapt to emerging technologies.

Our future-ready learning ecosystem combines STEM education, innovation, technology, and essential **life skills** to prepare learners for tomorrow's opportunities. Every program is designed to spark curiosity, encourage creativity, and transform ideas into meaningful solutions through **hands-on experiences**.

Whether exploring space science, building intelligent systems, developing leadership skills, or creating innovative projects, students at QSAT Academy learn by doing, discovering, and innovating.

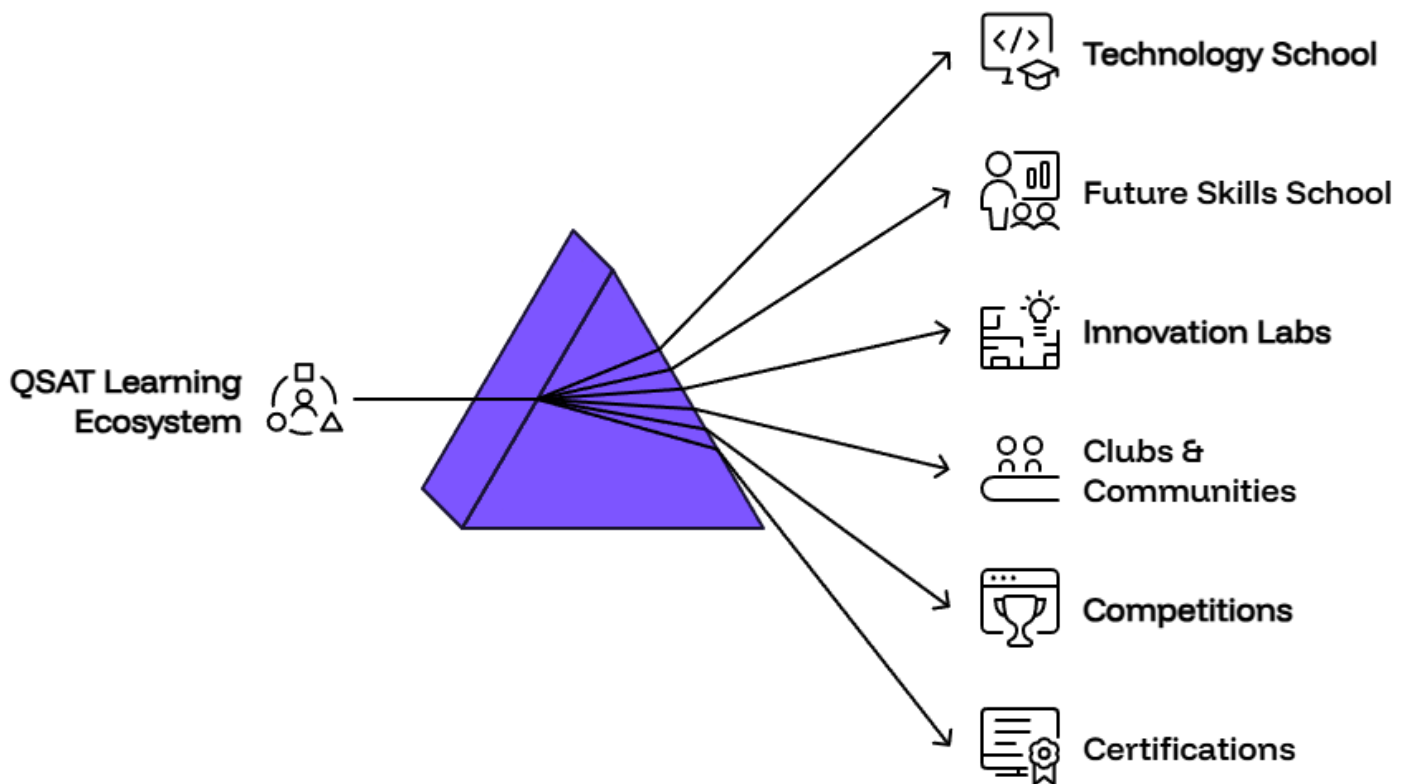
What makes us different



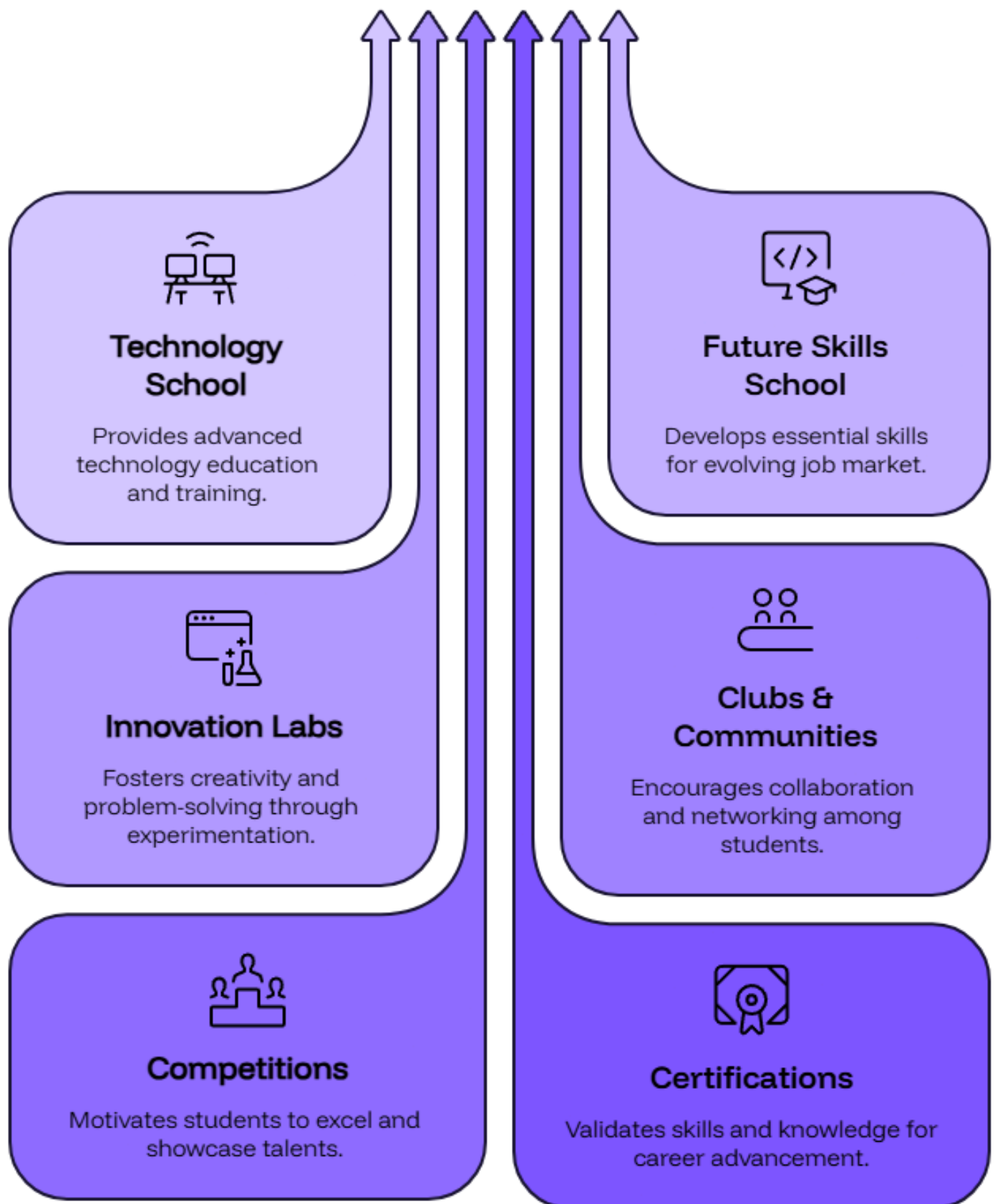
Traditional	QSAT Academy
Theory-focused	Experiential & Project-Based
Memorization	Exploration & Discovery
Individual Learning	Collaboration & Teamwork
Passive Learning	Active Innovation
Fixed Curriculum	Future-Ready Learning Pathways

Learning Ecosystem

The QSAT Learning Ecosystem integrates technology, future skills, innovation, communities, competitions, and certifications into a holistic educational journey that empowers every learner to explore, create, innovate, and lead with confidence.



Learning Ecosystem



SCHOOL OF TECHNOLOGY

Exploring the Technologies
That Shape Tomorrow



SPACE
TECHNOLOGY



ROBOTICS &
AUTOMATION



CODING &
PROGRAMMING



DRONE
TECHNOLOGY



GIS & EARTH
OBSERVATION



ELECTRONICS &
EMBEDDED SYSTEMS

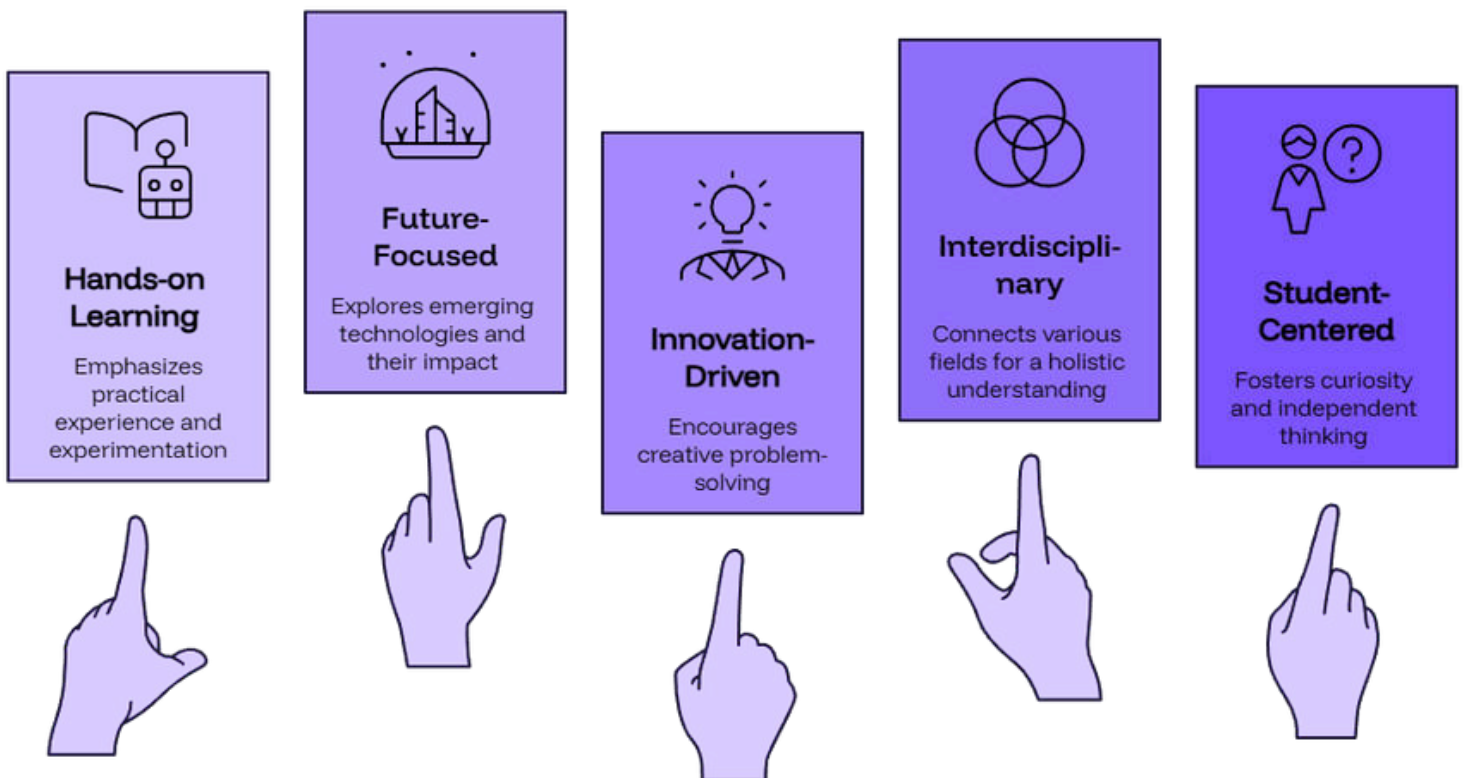


3D DESIGN &
DIGITAL FABRICATION

School of Technology

The School of Technology inspires students to explore, build, and innovate through **hands-on** learning in emerging technologies. By combining STEM education with real-world projects, we empower learners to become confident creators, critical thinkers, and **future-ready** innovators.

Learning Philosophy



Technology Domains



Space Science

Explore astronomy, satellite systems, CubeSats, orbital mechanics, and space exploration.



Artificial Intelligence

Understand AI concepts, machine learning, computer vision, and intelligent systems.



Coding & Programming

Develop computational thinking and programming skills by creating applications, games, and digital solutions.



Robotics & Automation

Design, build, and program robots while exploring sensors, automation, and intelligent systems.



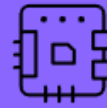
GIS & Earth Observation

Learn mapping, satellite imagery, geospatial technologies, and environmental analysis.



Drone Technology

Discover drone operations, aerial mapping, remote sensing, and real-world applications.



Electronics & Embedded Systems

Build electronic circuits, work with microcontrollers, and develop interactive hardware solutions.



3D Design & Fabrication

Transform ideas into prototypes using CAD, 3D printing, laser cutting, and digital manufacturing tools.

Learning Journey

Explore

Build

Innovate



Learn

Experiment

Present

SCHOOL OF FUTURE SKILLS

Preparing Confident,
Capable and Future-Ready
Learners.



COMMUNICATION

Express ideas clearly and confidently



LEADERSHIP

Inspire, influence and lead with integrity



CRITICAL THINKING

Analyze, evaluate and make better decisions



CREATIVITY & INNOVATION

Think differently and create meaningful solutions



COLLABORATION

Work effectively in teams and value diverse perspectives



ADAPTABILITY

Embrace change and thrive in a dynamic world



EMPATHY & VALUES

Build respect, empathy and responsible global citizenship



FINANCIAL LITERACY

Make smart financial decisions and understand real-world economics



LIFELONG
LEARNING



FUTURE
READY



CONFIDENT
INDIVIDUALS



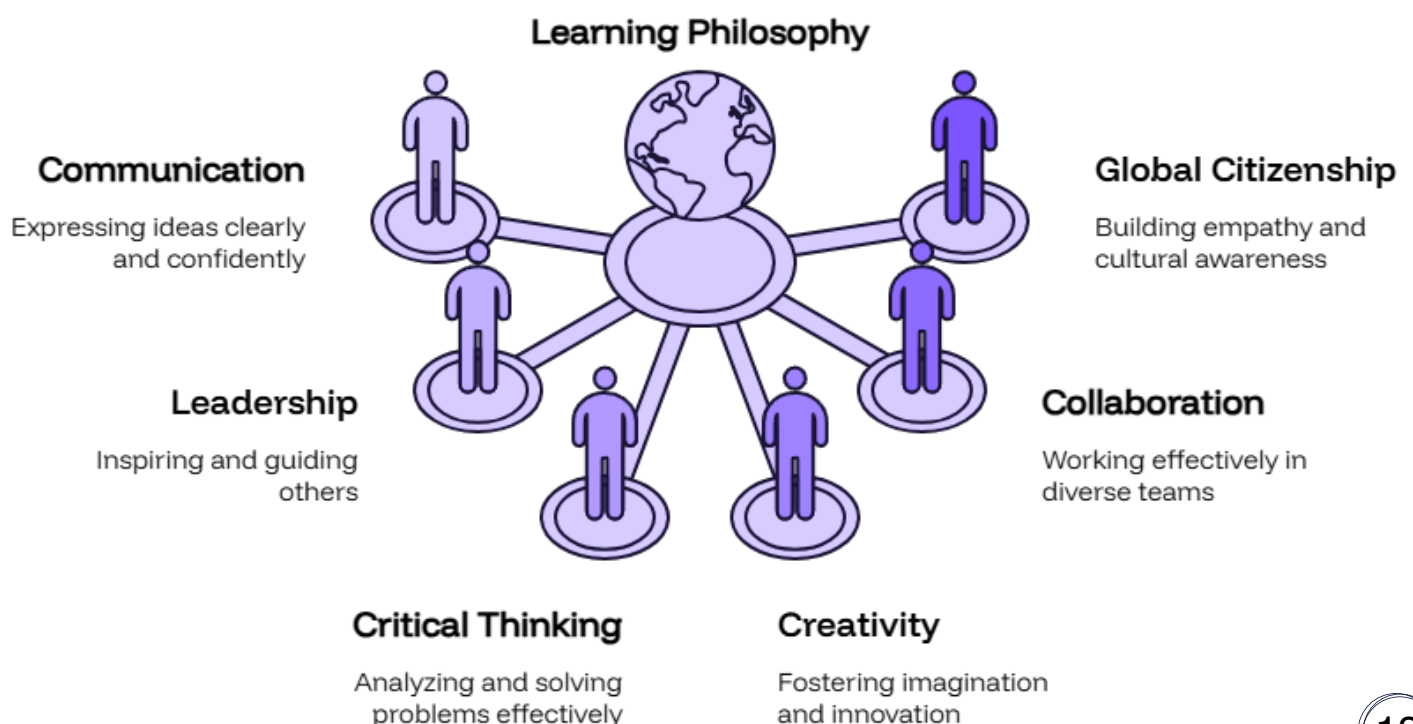
RESPONSIBLE
CITIZENS

School of Future Skills

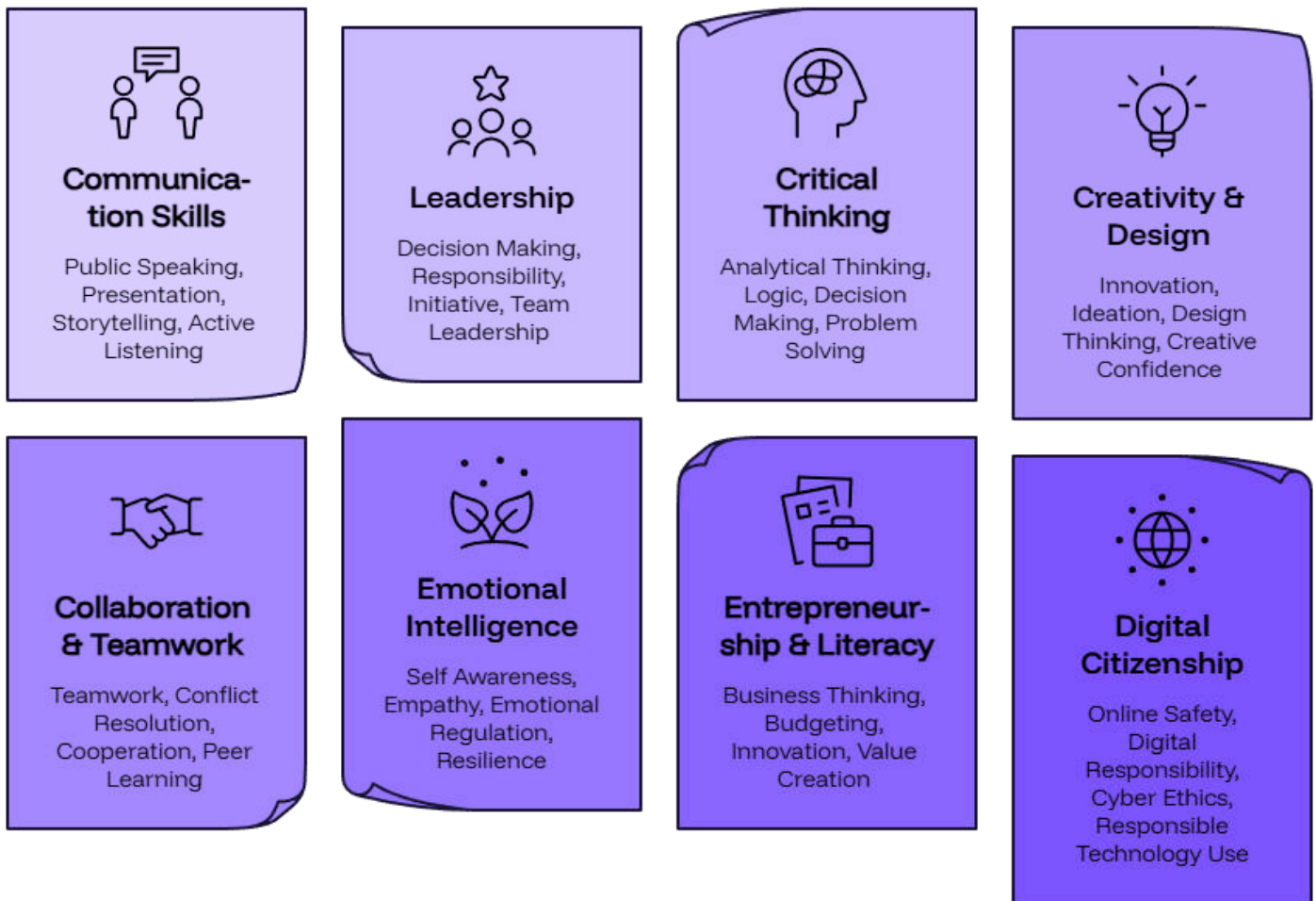
The School of Future Skills empowers students with the essential life, leadership, and professional skills needed to thrive in an ever-changing world. Through experiential learning, collaboration, and real-world experiences, students develop the confidence, adaptability, and mindset to succeed in education, careers, entrepreneurship, and life.

Learning Philosophy

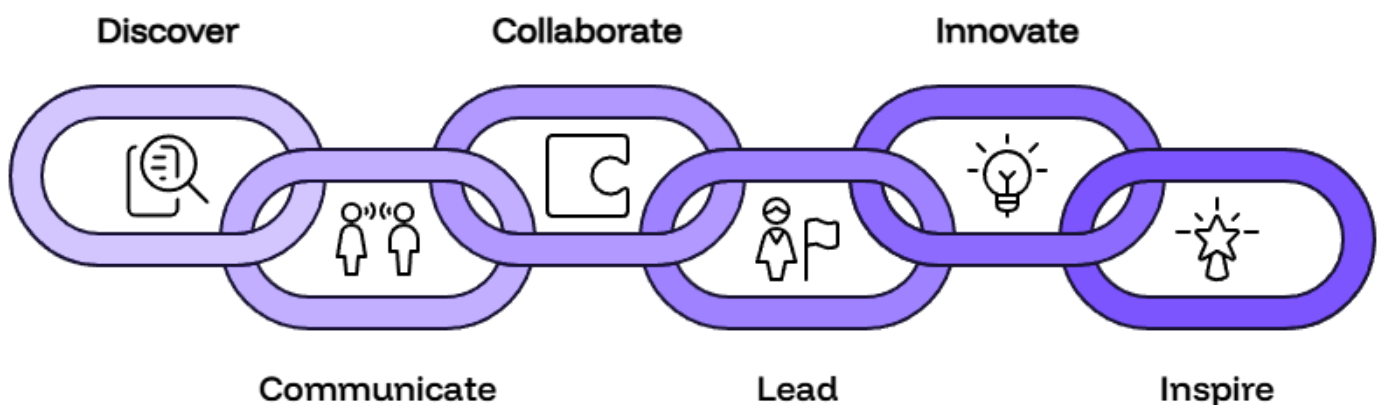
Learning Philosophy Outcomes



Future-skills Domains



Learning Journey



INNOVATION LABS

Where Ideas
Become **Reality**.



IMAGINE



EXPERIMENT



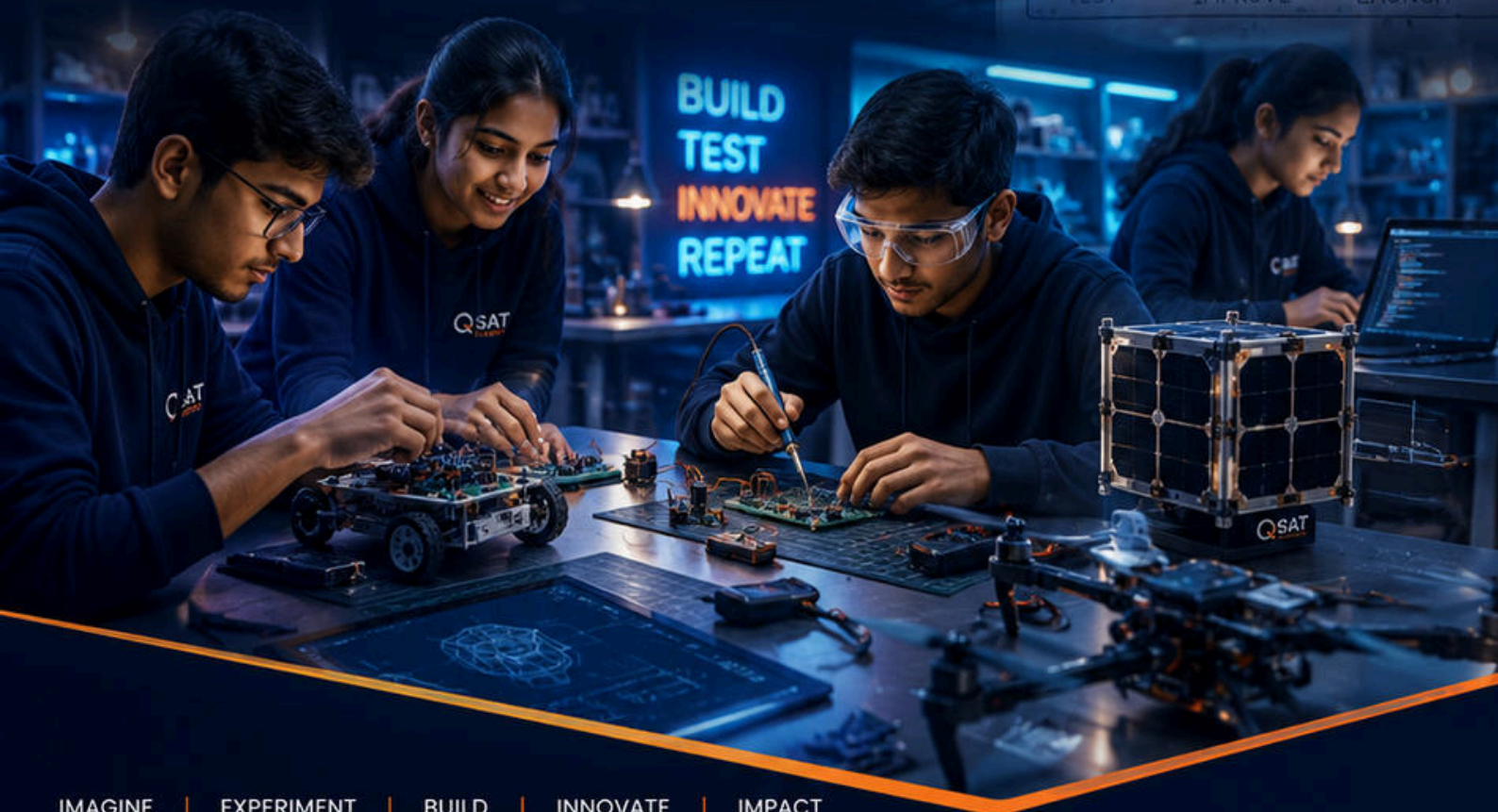
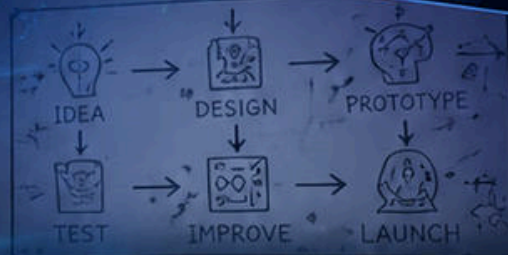
BUILD



INNOVATE



IMPACT



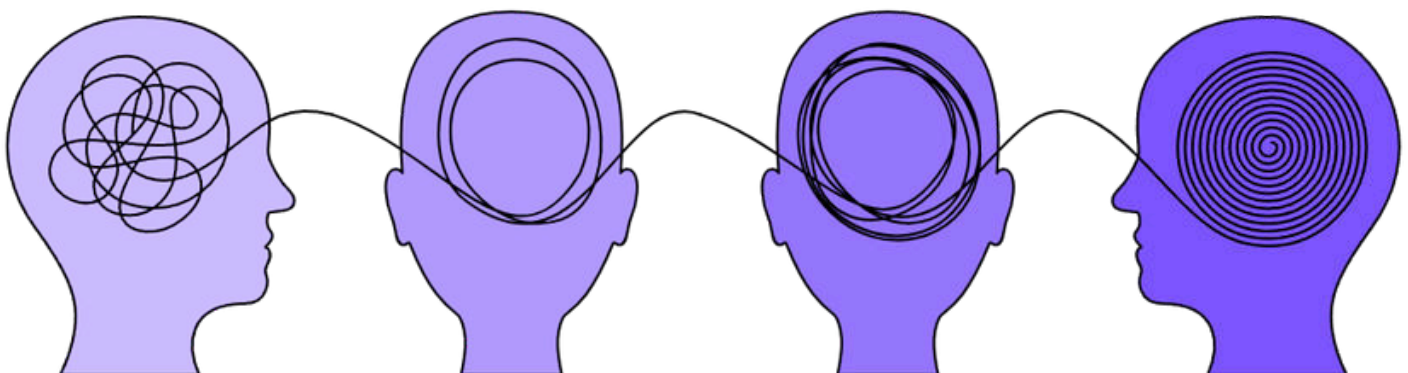
About Innovation Labs

Innovation Labs are the **creative hubs** of QSAT Academy, where ideas evolve into real-world solutions. Designed as collaborative maker spaces, the labs encourage students to experiment, prototype, and innovate using emerging technologies while applying **design thinking** and engineering principles.

Students are empowered to transform curiosity into creativity through hands-on exploration, interdisciplinary collaboration, and innovation-driven learning experiences.

Innovation Philosophy

From Idea to Impact



Imagine

Generate and explore ideas

Experiment

Test concepts through practical exploration

Build

Design, prototype, and refine solutions

Innovate

Create impactful solutions for challenges

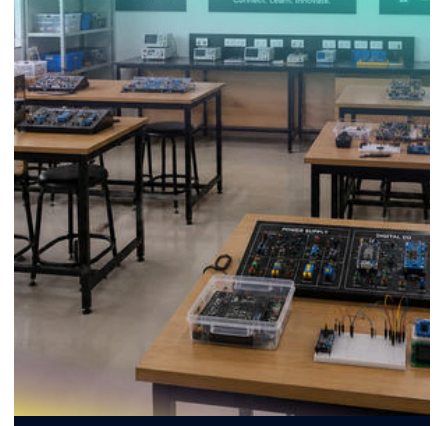
Innovation Ecosystem



Space Lab



Robotics & AI Lab



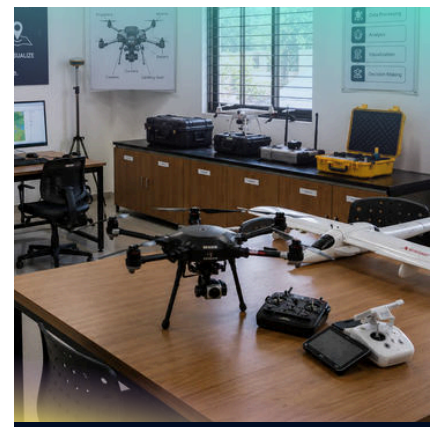
Electronics & IoT Lab



Digital Fabrication Lab



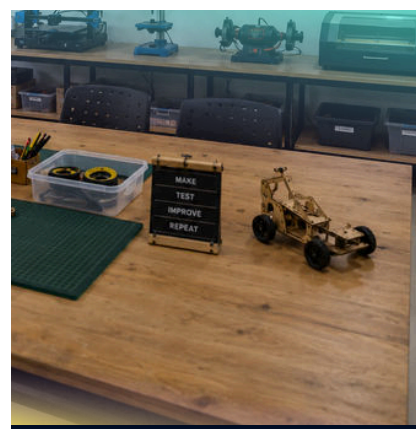
Software Lab



GIS & Drone Lab



STEM Exploration Lab



Maker Space

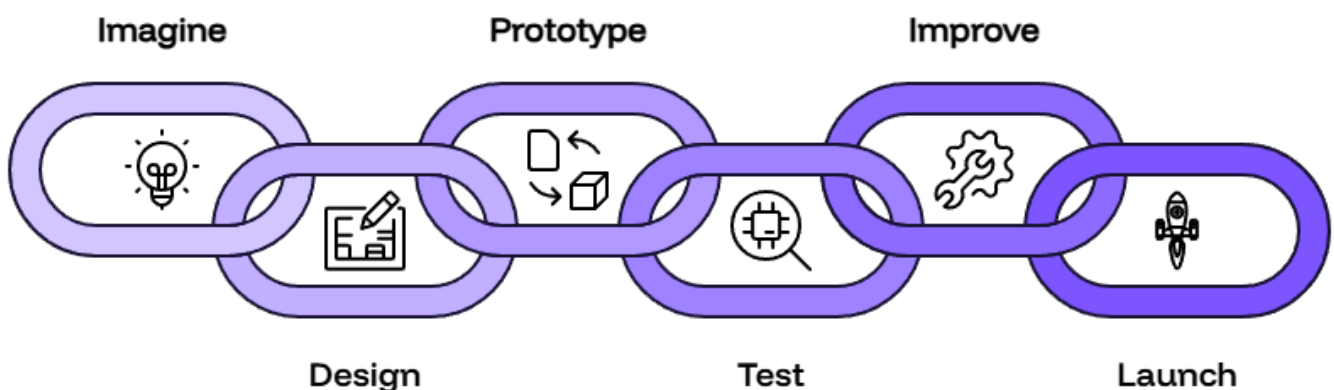
Innovation Labs

What kind of experiences do students have in innovation labs?

They engage in prototype development, innovation challenges, design thinking workshops, research projects, team collaboration, product showcases, hackathons, and community problem solving.

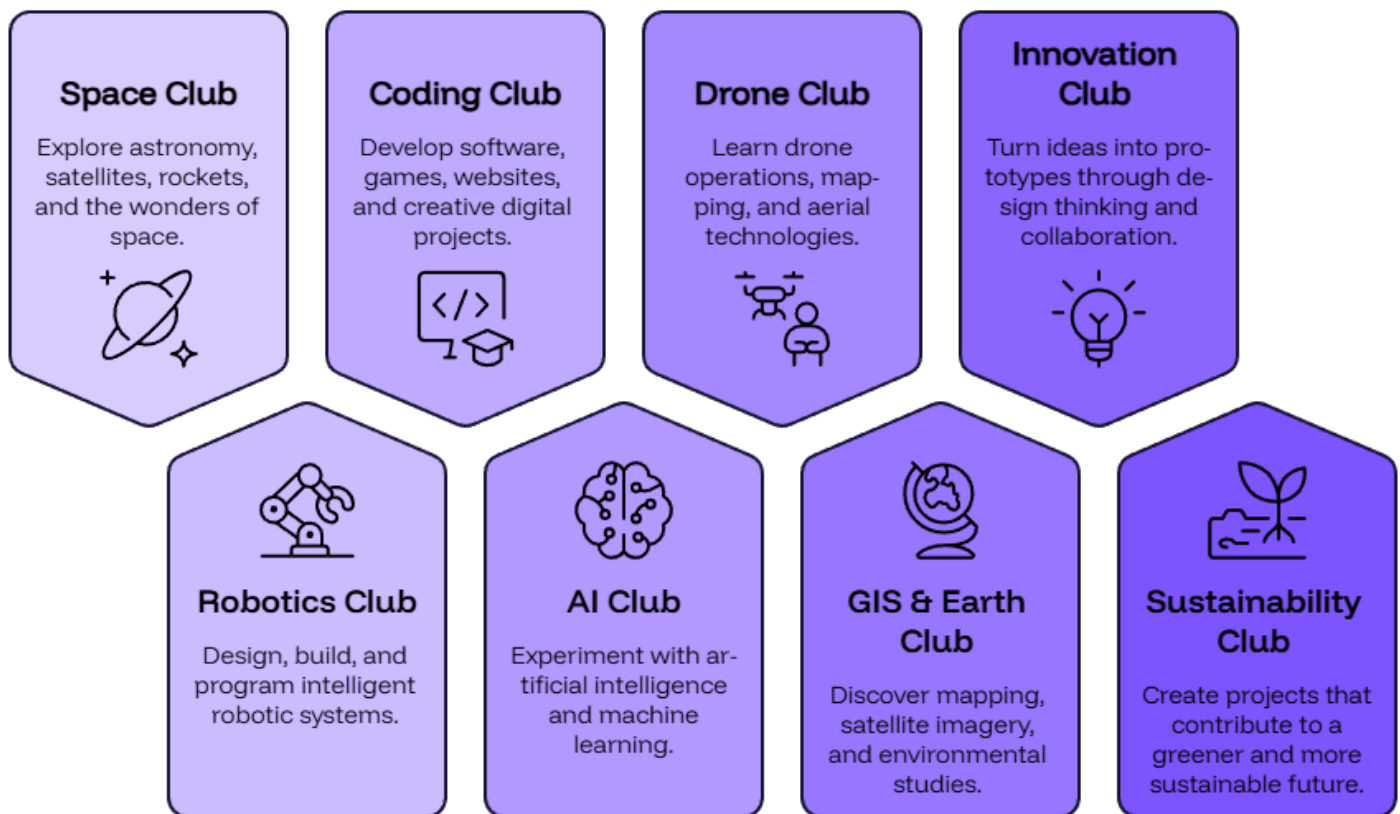


Innovation Journey

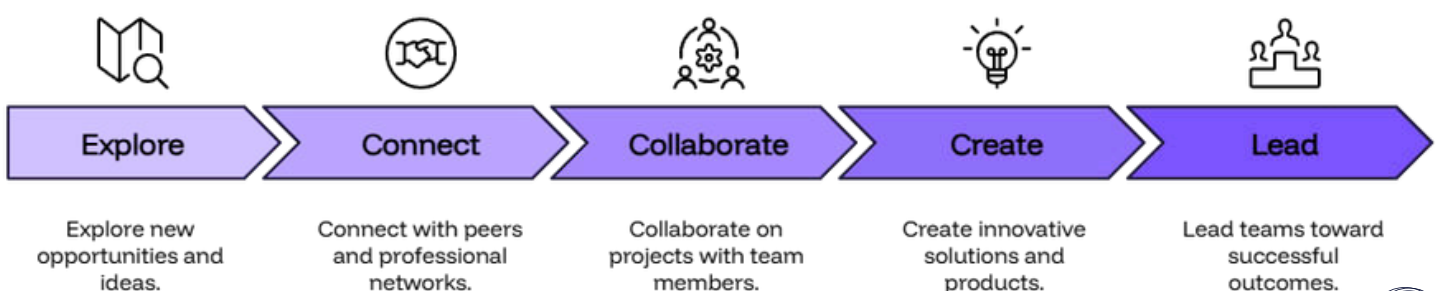


Clubs and communities

Learning doesn't end when a session concludes. At QSAT Academy, students become part of vibrant clubs and communities where they explore shared interests, collaborate with peers, develop **leadership skills**, and participate in meaningful activities that foster curiosity, creativity, and lifelong learning.



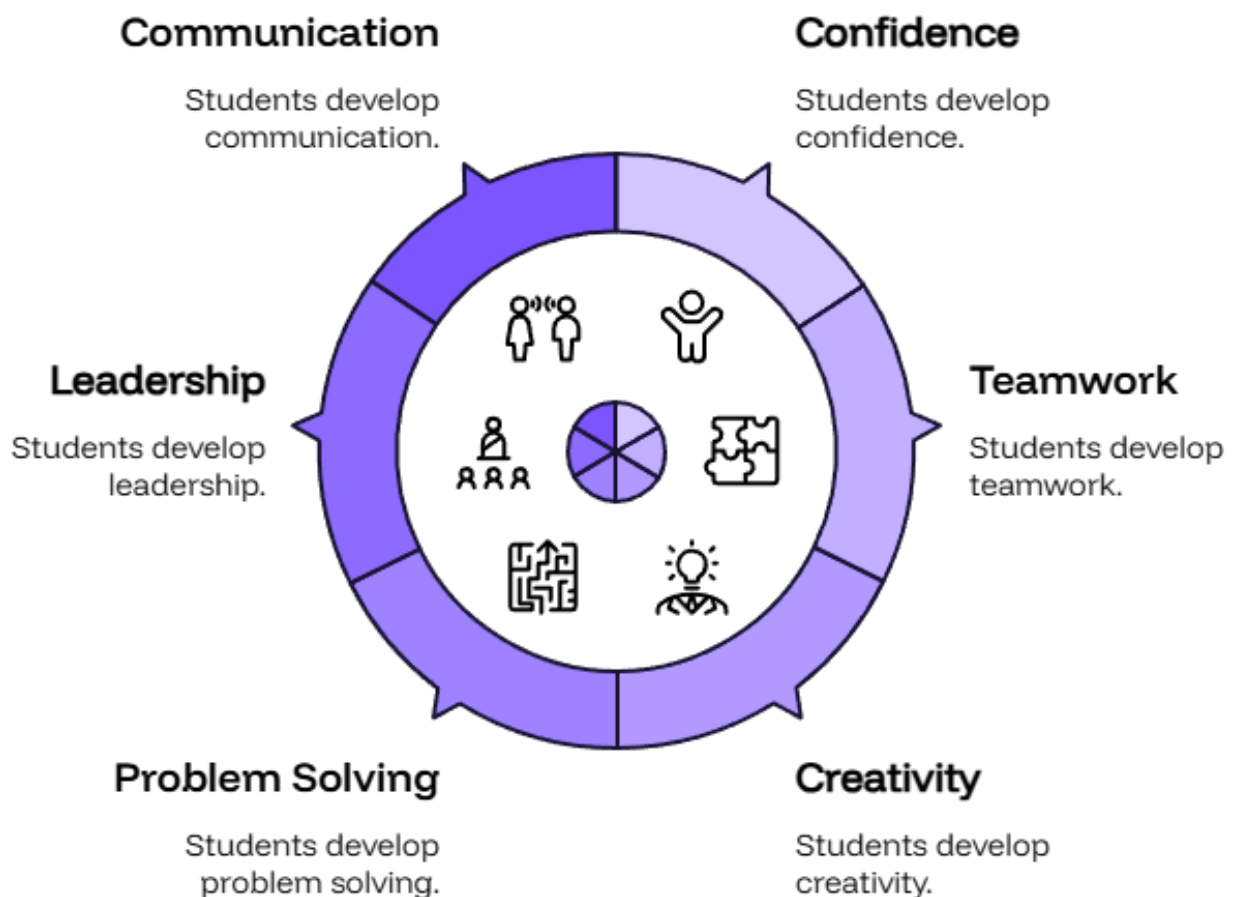
Professional Development Journey



Competitions

Competitions provide students with opportunities to apply their knowledge, showcase their creativity, and develop confidence through real-world challenges. QSAT Academy encourages participation in internal, national, and international competitions that foster innovation, teamwork, and **problem-solving**.

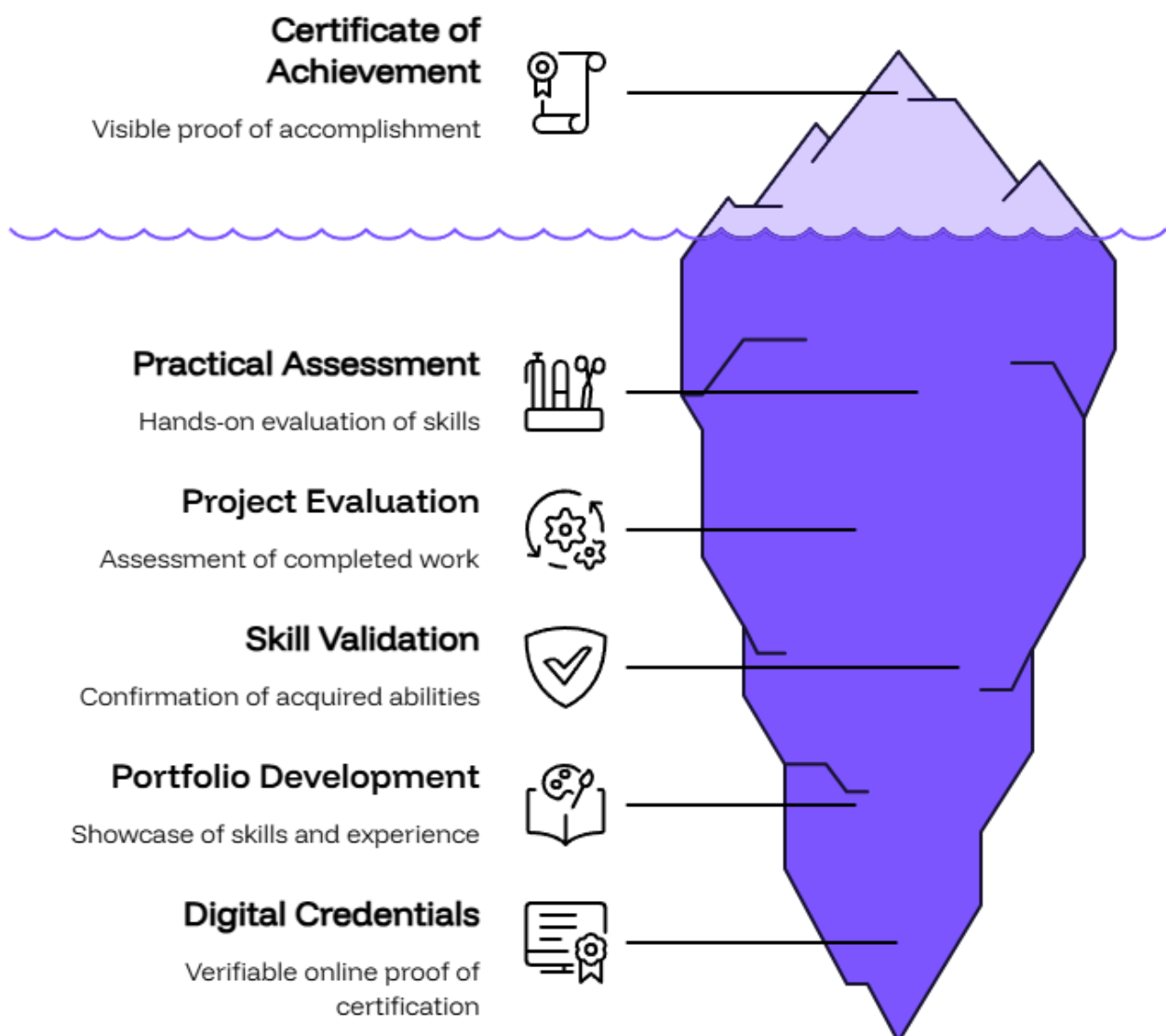
Student Development Skills



Certifications

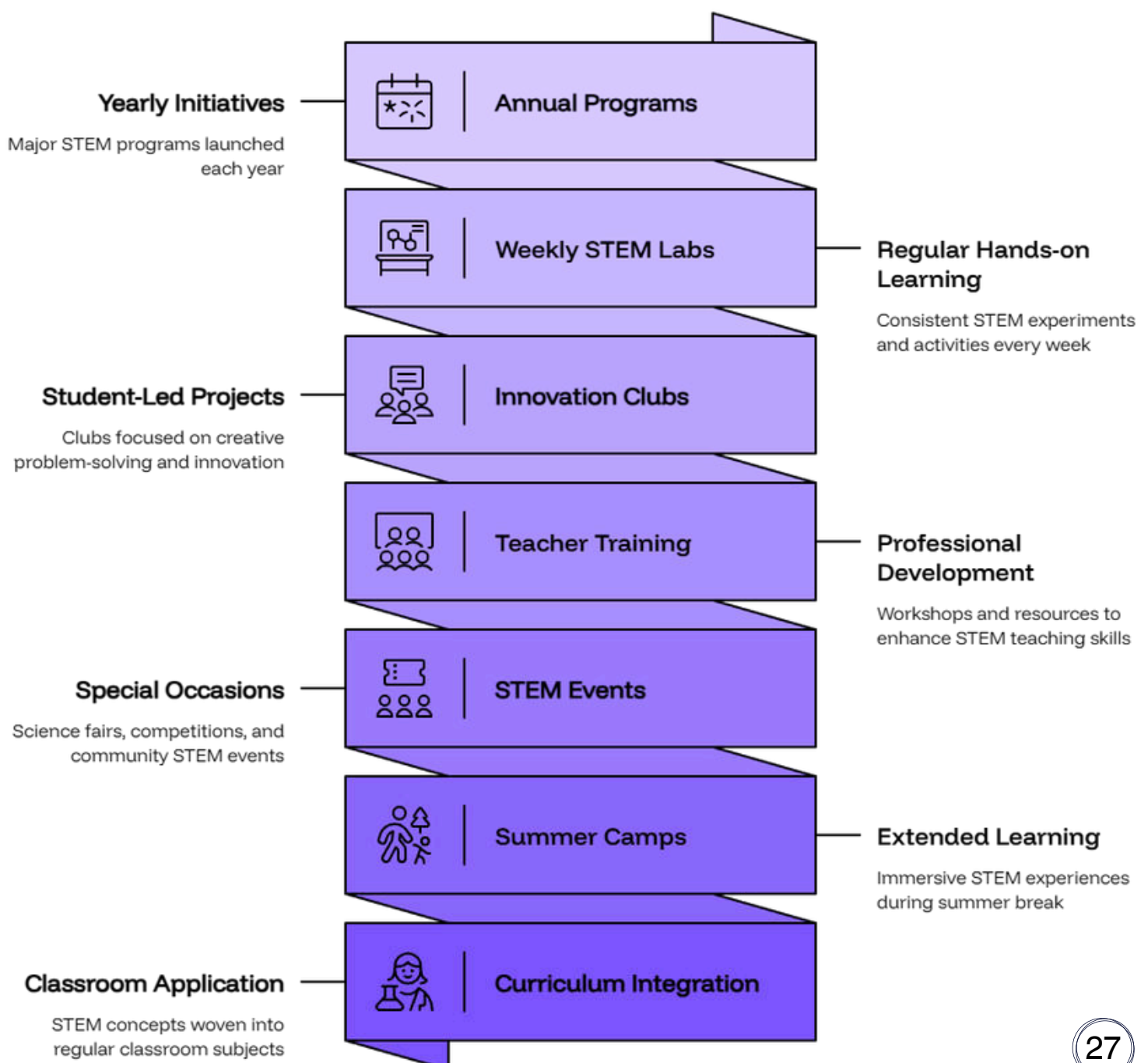
QSAT Academy recognizes student growth through structured certifications that validate technical knowledge, practical skills, project work, and **future-ready** competencies. Every certification reflects meaningful learning and encourages continuous development.

Certification: More Than Just a Piece of Paper



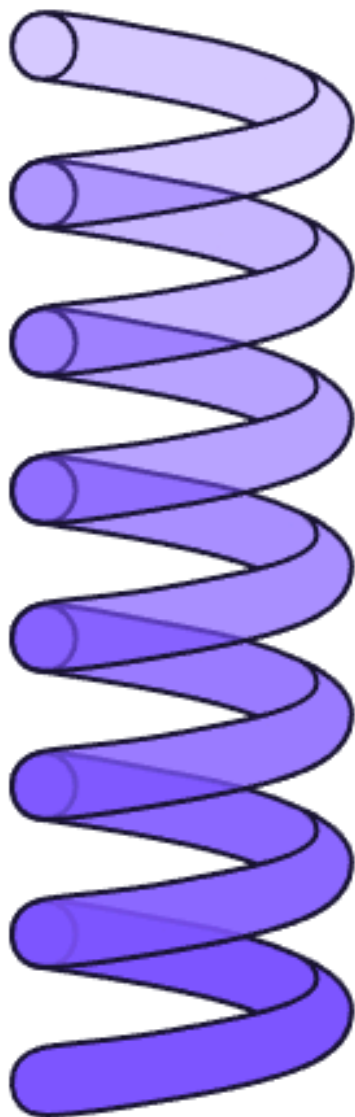
School Partnership Models

We partner with schools to build **future-ready** learning environments through experiential STEM education, innovation programs, and future skills development. Our flexible partnership models are designed to integrate seamlessly with every school's vision, curriculum, and educational goals.



Implementation Framework

Our implementation framework ensures every partnership is carefully planned, seamlessly executed, and continuously supported. From initial consultation to **long-term success**, we work closely with schools at every stage of the journey.



Consultation



Requirement Analysis



Program Design



Implementation



Assessment



Certification



Continuous Support

Why Partner with QSAT Academy

QSAT Academy partners with schools to create engaging STEM ecosystems that complement classroom learning and support the vision of India's **National Education Policy** (NEP) 2020 and the **National Curriculum Framework** (NCF) 2023. Our programs empower schools to nurture curiosity, innovation, critical thinking, and future ready competencies through experiential learning.

OUR GROWING NETWORK



Park College of Engineering & Technology

Highlighted for developing and launching a student CubeSat model, inaugurated by Dr. Nambi Narayanan.

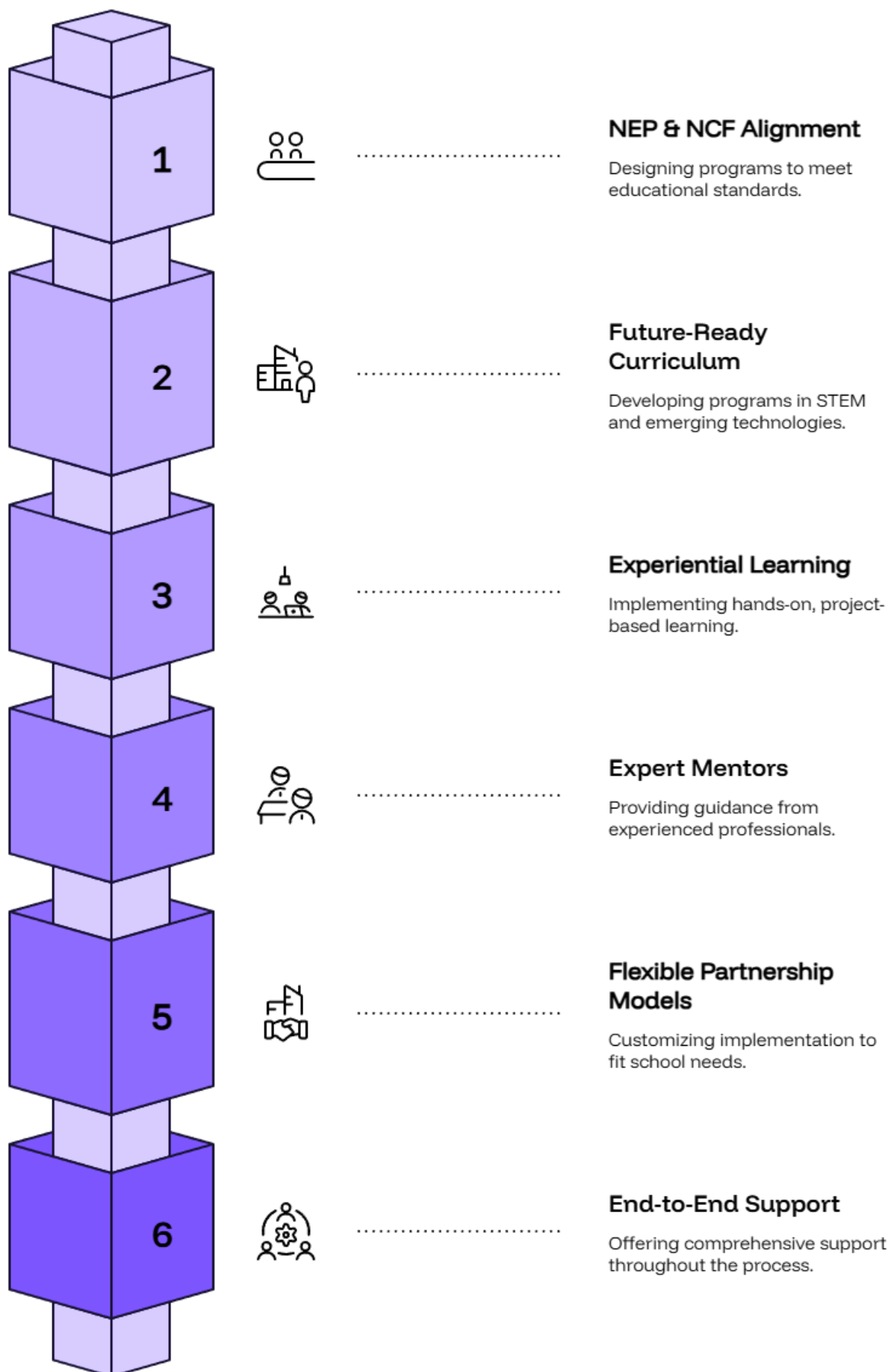


RYLA Madurai Association

Highlighted for being a technical partner for STEM outreach and space science learning initiatives.



Why Schools choose us



Let's Build the Future together

“

**Let's inspire the next
Kalpana Chawla or APJ Abdul
Kalam. It starts here.**

Supported by passionate engineers,
educators, and dreamers

Every great innovation begins with curiosity. Every future leader begins with an opportunity. Together, let's inspire the next generation of innovators, creators, and changemakers.



academy.qsat.diy



Skill@qsat.diy



+91 94870 65364



[qsat.diy](https://www.instagram.com/qsat.diy)



32,NH544 , Avinashi
road , kaniyur ,
coimbatore-641659





academy.qsat.diy



Skill@qsat.diy



[+91 94870 65364](tel:+919487065364)



[qsat.diy](https://www.instagram.com/qsat.diy)