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ATHKA



“Together, we build a smarter generation—ready to innovate, lead, and serve their communities.”

EMPOWERING A **SMARTER GENERATION**



WHO WE ARE

Athka is an innovative educational model designed to identify students' unique intelligences and traits, and transform them into active skills and professional competencies.

Through our programs and tools, we empower students to achieve excellence academically, personally, professionally, and socially.

We empower a smarter generation of future leaders through innovative education:



Curricula and Accelerators – scientific, life-skills, & entrepreneurial programs.



Smart Tools & Platforms – ElectrA® Kits, Triple A Robot®, Greeting Bot®, STX Generator® Platform.



Interactive Centers & Clubs – physical hubs and our digital community.



Competitions, Scientific & entrepreneurial challenges, Hands-on educational trips.



MISSION

Since 2009, Athka has been committed to building a complete educational ecosystem that combines curricula, tools, competitions, and platforms—designed to:

- Discover students' skills.
- Map their intelligences.
- Instill strong values.

We don't just teach; we empower schools, train teachers, and engage communities to create an education system that transforms both individuals and societies.

VISION

To become a global benchmark in values-driven education, empowering a smarter generation of future leaders.

OUR ECOSYSTEM ENABLES STUDENTS TO

Think Smarter – through our SMARTER framework of global thinking skills.

Learn Creatively – via 8 scientific accelerators (hard skills) + 4 soft/leadership accelerators.

Grow Holistically – through LearnSmarter skills, SMARTIL.st intelligences, and KEYS values framework.

Lead Impactfully – guided by KeyYouM, in schools, careers, and communities.

OUR CORE VALUES

Innovation • Quality • Collaboration • Excellence • Empowerment

OUR TRACK RECORD – OVER 15 YEARS OF IMPACT

Trained 20,000+ students and hundreds of teachers.

Partnered with 20+ schools across Yemen.

Organized 10+ competitions and educational events.

Collaborated with UNESCO, Social Fund for Development, & Arab Robotics Association.

Developed original educational products: ElectrA® Kits • Triple A® Robot • Greeting Bot® • STX Generator® Platform.



"Your partner in transformative education—building innovators and future leaders through interactive and modern learning."



HIGHLIGHTS

- ✓ First Yemeni member of the Arab Robotics Association (since 2013).
- ✓ Partnerships with leading experts in education and edtech.
- ✓ Research published since 2010 - pioneering robotics & STEAM in Yemen for nearly 2 decades.
- ✓ Developer of original curricula, tools, & professional competitions.
- ✓ Expertise in preparing students & schools for international robotics championships.

OUR KEY FRAMEWORK – KEYS MODEL

Learning in Athka is built on four essential pillars:



EDUCATIONAL ECOSYSTEM COMPONENTS

SMARTiL.st®: Diagnostics of seven multiple intelligences.

KEYS 8E's Framework: Structured lesson planning model.

SMARTER Thinking®: Our upgraded approach built on STEAM, covering seven thinking styles.

Athka Accelerators®: Scientific, life, & leadership accelerators that make learning hands-on & future-ready.

Athka Journey: 8 educational stages - 4 skill-based (G5–G8) & 4 advanced (G9–G12) focused on competition, entrepreneurship, & leadership.

Values Integration: Embedding virtues and social responsibility across all programs.

SCHOOL SOLUTIONS

Athka empowers schools to transition from traditional education into innovation-driven learning hubs.

Enrichment Curricula (Grades 5–8)

- Modern hands-on curricula combining science, engineering, coding, and multiple intelligences.
- Powered by ElectrA Kits® and Scratch, with comprehensive student and teacher guides.

Athka Development & Competitive Programs (Grades 9–12)

- Tailored for high school students.
- Includes entrepreneurship, community leadership, and advanced scientific accelerators.
- Participation in national and international competitions (WRO, FLL) and Athka's own innovation contests (Future Pioneers, Triple A League®).

Robotics Labs Setup

- Powered by LEGO® SPIKE™ and enhanced with Athka's unique methodology.

Teacher Training & Certification

- Practical training programs to upgrade from STEAM SMARTER.
- Includes live classroom application with students.

Educational Trips

- Hands-on learning experiences at Athka's innovation centers.

Academic Supervision & Evaluation

- Standards-based monitoring with structured feedback reports for schools.

ATHKA TAMKEEN PROGRAM

A turnkey subscription package covering curricula, labs, teacher training, and continuous school development.

THE CORE OF OUR METHODOLOGY

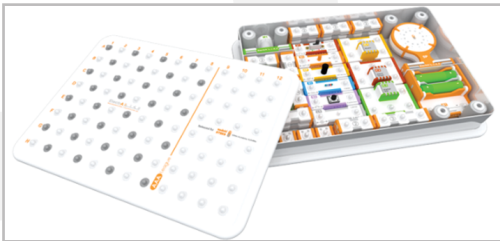
Athka's approach is the result of 20 years of expertise in education and robotics.

Our model aligns with UNESCO's 2022 call for Transformative Education and the 2030 Agenda, guiding schools through an eight-level journey that develops:

- From traits and intelligences to measurable skills to professional competencies.
- From competition and entrepreneurship to community service to a lifelong, inspiring mission.

OUR PRODUCTS & TOOLS

Athka develops original educational products that bring learning beyond textbooks into real-world applications.



ElectrA Kits® Hundreds of hands-on projects in electronics, robotics, and design.

- o For Students with applied project guides.
- o For Schools with curricula, teacher guides, and training.
- o For Centers with student & teacher guides + certified training.
- o For Competitions specialized editions tailored for innovation contests.



Greeting Bot®

- o An interactive robot for events, communication, and smart classrooms.



Triple A Robot®

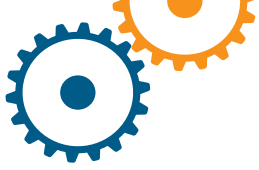
- o Designed for coding & control challenges in robotics competitions.



STX Generator®










- o A digital platform that measures skills, intelligences, and competencies.
- o Real-time dashboards for students, parents, & schools.

SCIENTIFIC ACCELERATORS



Athka offers a unique portfolio of accelerators that make learning practical, measurable, and future-ready.

HARD SKILLS ACCELERATOR

 Mathematical Reasoning & Modeling 4 courses (80 training hours).	 Scientific Research 4 courses (80 training hours).	 Foundational Coding with Scratch (Grades 5–8) 3 courses (60 hours).
 Engineering Design 4 courses (80 training hours).	 Robotics Control 4 courses (80 hours).	 Advanced Coding with Python (Grades 9–12) 3 courses (60 hours).
 Simulation & Virtual Modeling 4 courses (80 hours).	 Artificial Intelligence 4 courses (80 hours).	 Creative Design & Innovation 3 courses (60 hours).



These products are designed to integrate seamlessly with Athka's curricula and accelerators, ensuring schools and students get a full ecosystem of innovation.





DIGITAL PLATFORMS

Athka bridges physical learning and digital innovation, ensuring continuous development for students, teachers, and schools.

SOFT SKILLS ACCELERATORS

<p>Life Skills (UNICEF global framework)</p>	<p>Entrepreneurship Skills (ages 15–18, with AI & Microsoft tools)</p>	<p>Community Leadership & Service (aligned with UN/NGO standards)</p>	<p>LEARN Skills (Leadership, Collaboration, Adaptability, Problem-Solving, Logical Thinking)</p>
<p>40 hours</p>	<p>4 courses (80 hours)</p>	<p>80 hours</p>	<p>40 hours</p>

SPECIALIZED TEACHER TRAINING

<p>Global Framework for Robotics Teachers 40-hour certification with hands-on practice.</p>	<p>Athka Methodology Courses (ElectrA curricula & competitive programs)</p>	<p>Every accelerator includes 40 hours of training + student practicum sessions.</p>
<p>40 hours</p>	<p>4 courses (120 hours)</p>	<p>40 hours</p>

All accelerators are delivered using ElectrA Kits®, LEGO®, Scratch, and AI-powered tools, ensuring relevance to both global trends and local needs.

- o Interactive digital hub for students & teachers.
- o Students share projects, earn points, and win awards.
- o Parents and teachers track student progress and skills growth.

- o A real-time digital dashboard that measures skills, intelligences, and competencies.
- o Provides personalized reports for students, parents, and schools.

- o Online lessons, interactive modules, and assessment tools.
- o Global accessibility for schools, training centers, and individuals.

- o Institutional subscription models tailored for schools and ministries.
- o Academic supervisors access tools for evaluation, tracking, and reporting.

With these platforms, Athka ensures that education continues beyond classrooms, linking learning outcomes directly to measurable progress.

SUCCESS STORIES & PARTNERSHIPS

Athka's impact is best reflected through its schools, teachers, and students:

SCHOOL PARTNERSHIPS

- **Al-Rasheed Schools – Sana'a**

The largest educational institution in Sana'a with 8 branches and nearly 10,000 students.

Since 2009, Athka has partnered with Al-Rasheed to train students and establish the first school robotics club in Yemen (2010). Since then, we've continuously supported them with curricula development

and academic supervision, creating a pioneering innovation-driven model.

- **Belqis Schools – Ibb**

The largest private school network in Ibb, with 7 branches and 5,000+ students.

Athka established their robotics & scientific accelerators club, helping transform extracurricular activities into structured innovation pathways.

COMPETITIONS & ACHIEVEMENTS

- **Future Pioneers Competition (2024)**

Launched with participation from multiple Yemeni schools, now being prepared to scale into an international contest showcasing student creativity in robotics, AI, and innovation.

- **Triple A League®**

Under development as the first interactive robotics competition in the region, streamed live online.

GLOBAL & REGIONAL PARTNERSHIPS

- **NESCO**

Joint educational programs & events.

- **Social Fund for Development (SFD)**

Large-scale educational capacity building in Yemen.

- **Arab Robotics Association**

2030 VISION

- **Regional Expansion**

Extending across the GCC and Asia.

- **1 Million Students Reached**

Through our digital platforms and global partnerships.

- **Global Benchmark Status**

Establishing Athka as leading model in integrating STEAM, AI, & values-driven education.

- **Annual Global Competitions & Camps**

Connecting students worldwide in innovation & leadership.

- **SDG Contributions**

Advancing the UN Sustainable Development Goals (SDGs) through education, innovation, by youth empowerment.



With every student, teacher, and partner, we move one step closer to building a smarter, more responsible generation ready to innovate, lead, and serve.

"Each partnership demonstrates Athka's strength in adapting global frameworks to local needs, while keeping students' skills, values, and creativity at the center."

Athka is not just an educational company — it is a movement for transformative learning.