

LEARNING PIONEERS PROGRAMME

INNOVATION CAMP 2025

Pakistan



(Pakistan): Vision: Education as the Engine of Inclusive Growth

Context: 25 million out-of-school children, high learning poverty, and decentralized education system across provinces.

Strategic Roadmaps:

- **Vision 2025 & Vision 2047** emphasize human capital development, digital transformation, and inclusive growth through quality education.
- Focus on preparing youth for a knowledge-based economy and global competitiveness.

National Education Policy 2017–2025:

- Prioritizes foundational learning, teacher quality, and curriculum reform.
- Promotes inclusive education, gender equity and ECE.

Digital Education Strategy:

- Expands access through EdTech, blended learning, and digital content.
- Supports remote learning, especially for marginalized and crisis-affected communities.

Foundational Learning Policies:

- Emphasize literacy, numeracy, and socio-emotional skills in early grades.

Global Alignment:

- Pakistan's education vision supports SDG 4 and UNICEF's mission to reimagine education for every child.
- Embraces innovation, equity, and resilience in learning systems.

Main challenges in education linked to learners and teachers

Out of School Children

- Pakistan has one of the world's largest populations of out-of-school children.
- Key drivers: poverty, gender disparities, child labour, early marriage, insecurity, and limited school access in rural and underserved areas.
- Many lack early learning or flexible, alternative education pathways.
- Teachers in non-formal settings often have limited training and resources, affecting learning quality and continuity.
- **Governance/System-level Issues:** Weak oversight/capacity, fragmented policies, and inconsistent provincial implementation exacerbate OOSC challenges.

Children out of learning

- Many enrolled children are not learning at grade level.
- Most cannot read a simple text or do basic math by age 10.
- Key factors: weak teacher preparation and support, rote-based teaching, limited quality materials, and lack of data-driven feedback.
- **Governance/System-level Issues:** Insufficient monitoring, accountability gaps, and lack of integration between curriculum, assessment, and teacher development.



The role of digital in education

- **Expand access:** With 25.3 million out-of-school children, hybrid solutions are needed to reach all learners.
- **Enhance learning:** Improve learning and 21st-century skills.
- **Support teachers:** Provide training, mentoring, and classroom tools.
- **Strengthen systems:** Enable data-driven decisions and ensure learning continuity.



What does it mean to go beyond digital as usual in education?

- **Move past technology for its own sake:** Use digital tools strategically, not just to digitize existing practices.
- **Reach marginalized students:** Combine online, offline, and hybrid solutions to engage out-of-school children (25.3 million) and those in underserved areas.
- **Strengthen teaching and learning:** Equip teachers with training, mentoring, and localized digital content to improve literacy and numeracy outcomes.
- **Integrate with systems:** Align digital interventions with national policies, provincial foundational learning strategies, and evidence-based monitoring to ensure scalable, sustainable impact.
- **Foster innovation /adaptability:** Test, iterate, and scale new approaches that address real classroom challenges and learning gaps.



Share what you're most proud of in your digital education work

Programme Overview

- **Initiative:** Improving learning competencies of marginalized middle school children in Balochistan and Khyber Pakhtunkhwa
- **Partners:** TeleTaleem, provincial education departments, UNICEF Pakistan
- **Focus:** Digital learning, foundational skills, equity
- **Reach:** 13,900 students (555 Afghan refugees) in 101 schools

Key Results

- **Learning Gains:** KP 26.7 → 57.4, Balochistan 26.3 → 48.1; strongest in Mathematics and Science
- **Equity Impact:** Girls outperformed boys; low-performing students gained +15.5 points
- **Digital Inclusion:** 11,000+ tablets, 23 solarized schools, offline content for continuity
- **Teacher Capacity:** 4 virtual modules; 90%+ satisfaction
- **Community Feedback:** Positive from students, parents & educators

Sustainability and Scale

- **Infrastructure:** Solarized schools; LMS and offline access for uninterrupted learning
- **Scalable Model:** From mobile vans → fixed digital classrooms in 20 schools
- **Integration:** Teacher training, strong local ownership, aligned with provincial departments

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