



# TRANSFORMING EDUCATION

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Addressing Institutional Educational Voids through XR Technologies



Ashkhabad  
Bandar Shah  
Meshed  
Tabas  
TEHRAN  
Isfahan  
Kerman  
Shiraz  
Bandar Abbas  
Basra

AFGHANISTAN  
Herat  
KABUL  
Kandahar  
Peshawar  
Lahore  
Multan  
Quetta  
PAKISTAN  
KARACHI  
Hyderabad

Persian Gulf  
1494  
Airways  
Doha  
Shah  
MASQAT  
QATAR  
India



## CHALLENGES IN EDUCATION SYSTEMS

1. Quality of Education
2. Accessibility to Education
3. Affordability of Education
4. Vocational Education and Training (VET)
5. Gap Between Graduation and Employment



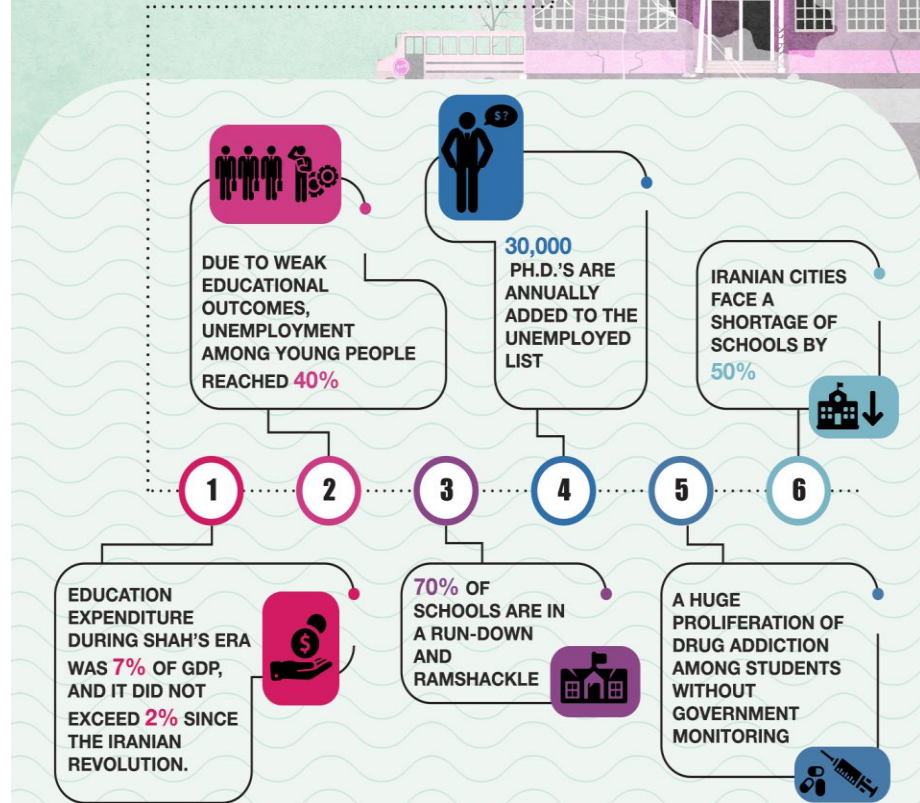
## EDUCATION IN IRAN

### Education in Iran: Key Challenges:

- **40% youth unemployment** due to weak educational outcomes.
- **30,000 PhDs** added to the unemployment list annually.
- **50% shortage** of schools in urban areas.
- **70% of schools** are rundown and poorly maintained.
- **Education expenditure** dropped from 7% (Shah's era) to less than 2% post-revolution.
- **Drug addiction** among students due to lack of government monitoring.

## EDUCATION IN IRAN

### MULTIFACETED SUFFERING



SOURCE: "INTERNATIONAL BANK, TORGHABEH ONLINE" TORGHABEHONLINE.COM



# EDUCATION in PAKISTAN



Pakistan has the world's second highest number of children out of school, reaching **8.3 million** in 2012 - equivalent to 1 in 12 of the world's out-of-school children

*Pakistan's spending on education is very low*



Spending on education has been reduced from 2.6% of GNP in 1999 to 2.4% in 2012



In 2010, the country allocated only **10%** of government spending on education.



Pakistan spends around **7 times** more on the military than on primary education.

## *Some of the worst education indicators*



**1/2** of out-of-school children are girls, amounting to over **4.5 million** girls



**49.5 million** adults are illiterate, two-thirds are women. This is the third largest globally.



Projections indicate that the number of illiterate adults will increase to **51 million** by 2015.

## *Amongst the widest education inequalities*

**1/4**

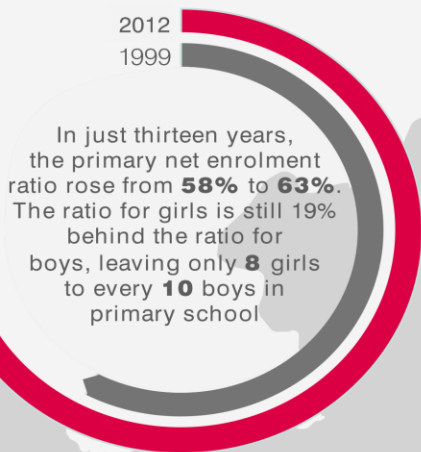
of 7-16-year-olds had never been to school, with wide variations by region, wealth status and gender.



Only **17%** had never been to school in Punjab, **25%** in Khyber Pakhtunkhwa and **37%** in Balochistan.



Poorest girls are most disadvantaged in all three provinces, with over half never having been to school.





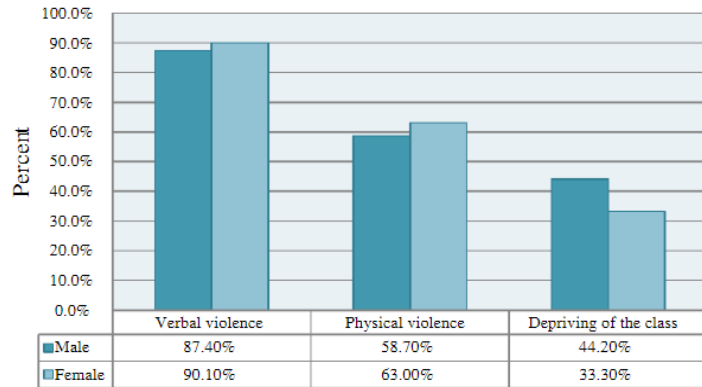
## QUALITY OF EDUCATION

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The education systems in these regions are hindered by **political instability**, outdated curricula, and a focus on rote learning, **limiting critical thinking** and practical skills development. Urban areas tend to offer better education quality, but rural and conflict-affected regions suffer from **under-resourced schools**, outdated textbooks, and **insufficient teacher training**.

## EDUCATIONAL OPPORTUNITIES AND CHALLENGES IN AFGHANISTAN

**Figure 3** Types of violence in educational institutions



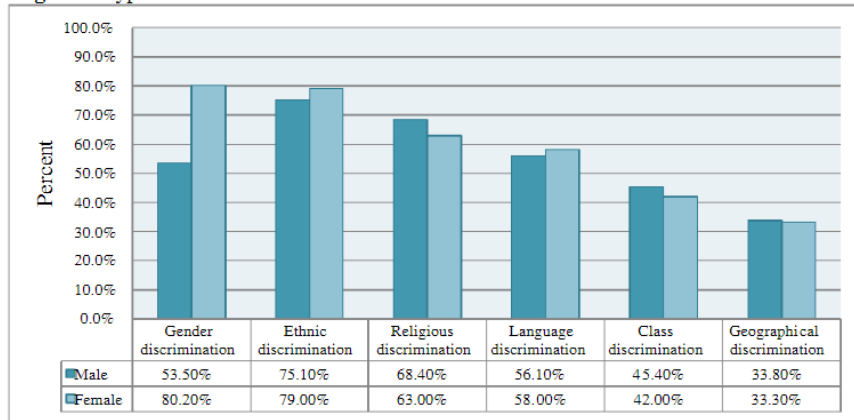
### Types of Violence in Educational Institutions:

- **Verbal Violence:** 90% of females, 87% of males
- **Physical Violence:** 63% of females, 59% of males
- **Deprivation from Class:** 33% of females, 44% of males



## EDUCATIONAL OPPORTUNITIES AND CHALLENGES IN AFGHANISTAN

**Figure 4** Types of discrimination in educational institutions



### Types of Discrimination in Educational Institutions:

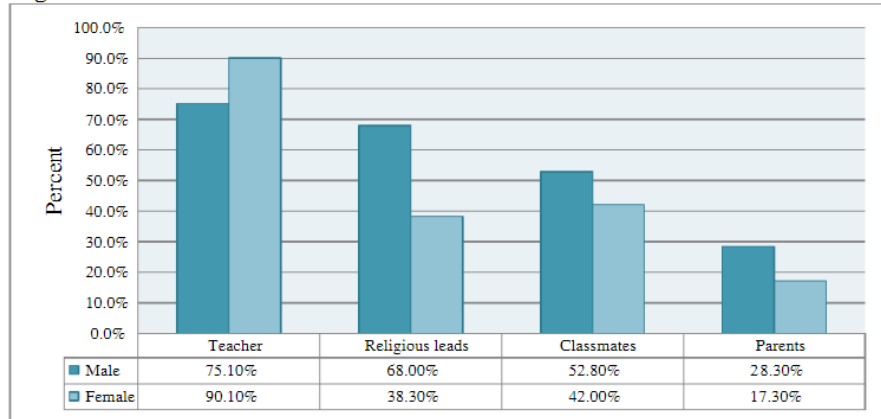
- **Gender Discrimination:** 80% of females, 54% of males
- **Ethnic Discrimination:** 79% of females, 75% of males
- **Religious Discrimination:** 63% of females, 68% of males
- **Language Discrimination:** 58% of females, 56% of males
- **Class Discrimination:** 42% of females, 45% of males
- **Geographical Discrimination:** 33% for both genders





## EDUCATIONAL OPPORTUNITIES AND CHALLENGES IN AFGHANISTAN

**Figure 5** Sources of discrimination in educational institutions



### Sources of Discrimination in Educational Institutions:

- **Teachers:** 90% of females, 75% of males
- **Religious Leaders:** 38% of females, 68% of males
- **Classmates:** 42% of females, 53% of males
- **Parents:** 17% of females, 28% of males

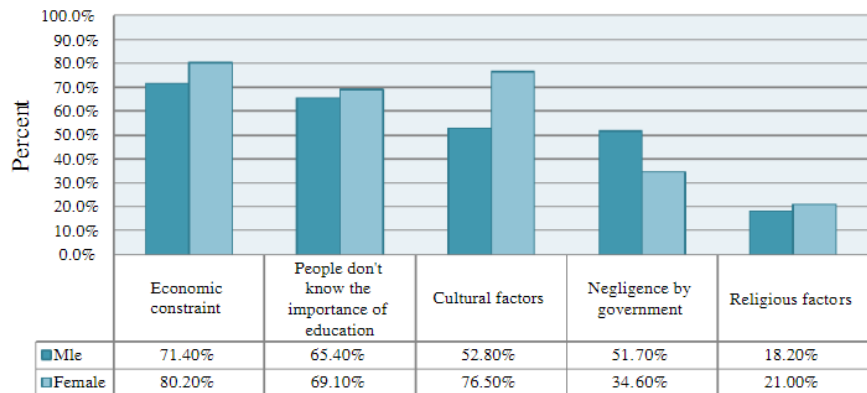


## ACCESSIBILITY TO EDUCATION

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Access to education is highly uneven, with rural areas and conflict zones facing significant challenges. In some regions, children, particularly girls, face barriers due to **safety concerns**, cultural norms, and **inadequate infrastructure**. In urban areas, accessibility is better, though **disparities** remain between **wealthier** and **poorer** communities.

**Figure 1** Factors influencing the inaccessibility of education



## EDUCATIONAL OPPORTUNITIES AND CHALLENGES IN AFGHANISTAN

### Key Factors Influencing Education Inaccessibility:

- **Economic Constraints:** 80% of females, 71% of males
- **Lack of Education Awareness:** 69% of females, 65% of males
- **Cultural Factors:** 77% of females, 53% of males
- **Government Negligence:** 52% of males, 35% of females
- **Religious Factors:** 21% of females, 18% of males



## AFFORDABILITY OF EDUCATION

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While public education is often free or low-cost, **hidden expenses** such as uniforms, textbooks, and travel create financial barriers for low-income families. Private schooling offers **better quality** but remains out of reach for many due to **high costs**. This financial burden restricts full participation in the education system, especially among **marginalized groups**.



## VOCATIONAL EDUCATION TRAINING

## VOCATIONAL EDUCATION AND TRAINING (VET)

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The VET sector in the region is generally underdeveloped, with outdated programs that fail to meet the needs of modern industries. There is a significant gap between the skills taught in vocational programs and the demands of the job market, resulting in graduates who are ill-prepared for employment.



# *What Can I Do?*

Exhortation to a Fresh Graduate Who is Having Prolonged  
Unemployment Gap



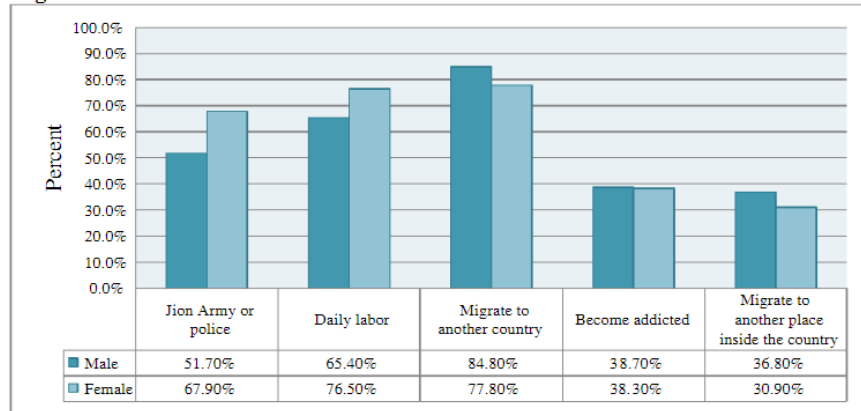
## GAP BETWEEN GRADUATION AND EMPLOYMENT

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A major issue in the region is the disconnect between **academic education** and **job market requirements**. Graduates often lack practical skills, work experience, and **job readiness**, leading to high unemployment rates among young people. The focus on **theoretical knowledge**, rather than practical or vocational training, exacerbates this gap.



**Figure 2** Alternatives for those who do not access education



## EDUCATIONAL OPPORTUNITIES AND CHALLENGES IN AFGHANISTAN

### Alternatives for Those Without Access to Education

- **Join Army/Police:** 68% of females, 52% of males
- **Daily Labor:** 77% of females, 65% of males
- **Migrate Abroad:** 78% of females, 85% of males
- **Risk of Addiction:** 38% for both genders
- **Internal Migration:** 31% of females, 37% of males

## PROPOSED SOLUTIONS USING EON REALITY

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### Key areas addressed:

- Curriculum enhancement
- Personalized learning
- Teacher training
- Community engagement
- Strategic partnerships

# VIRTUAL AND AUGMENTED REALITY IN CLASSROOMS

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Utilize VR to simulate environments like historical sites, scientific labs, and global landmarks for immersive learning.

AR overlays can enhance textbooks, making content more interactive and engaging.

Focus on improving access to advanced educational content and practical learning experiences, particularly in resource-limited and conflict-affected areas.



# AI-DRIVEN PERSONALIZED LEARNING

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Implement AI to assess student needs, tailoring VR/AR content to individual learning progress.

Adaptive learning paths help students focus on areas where they struggle, ensuring personalized education at scale.

AI-powered platforms can deliver relevant content in local languages, increasing accessibility across diverse communities.





# TEACHER TRAINING AND SUPPORT

Comprehensive training programs to help teachers integrate VR/AR tools into the classroom.

Focus on creating interactive learning experiences that enhance student engagement and understanding.

Provide educators with the skills needed to design and use XR technologies in a way that makes lessons more dynamic and effective.



# COMMUNITY ENGAGEMENT AND SUPPORT

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Conduct workshops and demonstrations to showcase the benefits of XR in education.

Engage communities to build support for the adoption of new technologies in schools.

Focus on overcoming cultural barriers and demonstrating the real-world impact of VR/AR on learning outcomes.



# ESTABLISH STRATEGIC PARTNERSHIPS

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## **Government and Policy Support:**

Work with local governments to integrate XR technologies into national education policies.

## **Tech Companies and NGOs:**

Partner with EON Reality and other tech providers for hardware, software, and technical support.

## **International Organizations:**

Seek funding and expertise from global organizations like UNESCO and UNICEF to implement and scale XR technologies.



# CONCLUSION

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EON Reality provides a transformative opportunity to address educational challenges in the region.

By leveraging XR technologies, the region can improve the quality, accessibility, and relevance of education, preparing students with the skills needed for future success.