

The COP National Framework

IRAN's Children Cyber Space Ecosystem

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Kids and Internet Issues

☐ Internet Access:

Achievement:

- ✓ In the past five years, Internet access in Iran has grown rapidly.
- ✓ By 2017 broadband internet was almost available any where in Iran.
- ✓ The average connection speeds exceeded 2Mbit/s.

o Challenge:

- There wasn't readiness to facing this growth and easer access to internet services. So unaware users are expose to some threats and problems.
- Timely awareness to prevent Internet threats to users, especially for children is one of the most needs.



Kids and Internet Issues (cont.)

■ Social Networks:

Achievement:

✓ In the past 3 years using online social networks (OSN) had dazzling growth so now we have more than half of our peoples (specially children) are members of OSNs.

Challenges:

- ✓ Fast Spreading of Malicious links, Misinformation, Wrong Trust, Impersonation, Gathering Valuable People's Information, ...
- ✓ We have many victims, most of them children.
- ✓ The technical tools can not be exploited to solve this problem.

Solution:

✓ The main tools and solution to mitigate these crimes is empowerment, awareness and digital literacy.



Kids and Internet Issues (cont.)

Mobile Apps

Challenges:

- ✓ Millions of foreign apps, more than 100,000 Apps have been innovated and developed by Iranian young entrepreneurs and more than 10 distribution center established in past 3 years.
- ✓ Beside the main functions of an Apps it is discovered that almost half of Applications get access to non related resources of the user's mobile. For example :
 - GPS, WLAN, Accelerometer, Bluetooth, Cell tower ID, Call log,
 SMS log, Browser history, Contacts, Running apps, Installed apps,
 Screen state, Media battery status, ...

o Solution:

- ✓ Publishing requirements for developers and distributers and control randomly applications, statically and dynamically.
- Awareness has main role to avoid these threats.



Kids and Internet Issues (cont.)

Games :

Challenges:

✓ Despite of global games which have many customers between children in Iran we have some local games with more than 7 millions subscribers. The main challenge in this context is waste of time and we have a huge waste of time in the best time of children growth. The formal education ministry's statistics shows significant decreases in education failure.

o Solutions:

- ✓ Awareness and alert to parents.
- ✓ Supporting games developers to develop purposed games for strength of children for strategic decision power and question and response games for informative purposes.



Obstacles and Directions

Problems and Obstacles:

- ✓ Lack of cyberspace literacy among teachers, parents and their kids.
- ✓ Lack of high quality contents and services for the kids in Farsi.
- ✓ Lack of transparent and comprehensive law for production and distribution of the kids digital services and contents.

o Directions:

- ✓ To organize and develop the market to offer more safer content, services, apps for families
- ✓ Leading kids educational services and content in the official education and training system of the country



Child Online Protection and Different Perspectives

Sectority and Safety:

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Challenges and Requirements

Cyberspace penetration and ease of access to various content and services

The scope of the cultural impact of cyberspace

The need to preserve Iranian-Islamic values

The Importance of Economics in Policy Sustainability

The emergence of new businesses in the cyberspace

Support for active businesses in the production and delivery of childcare services and content

Change user behavior based on content and cyber services

Lack of user experience in the child's age range relative to the risks of cyberspace

The need for awareness and empowerment and increase of confidence



Legal Requirements

The document clarifies the requirements of the National Information Network

 The provision of health services for the provision of cultural security, including comprehensive refinement and sanitation based on Iranian-Islamic culture under the cyber space "Health and Safety" regulation.

A strategic document for the security of the production and exchange of information in the country

 The creation of a technical and legal framework for health of contents, by Ministry of ICT, under the strategy of "Securing Health of communication and Preventing Content-Based Hazards"

World Summit on the Information Society (WSIS) and the Convention on the Rights of the Child

 Paying attention to the rights of children and protecting them in cyberspace. (COP)





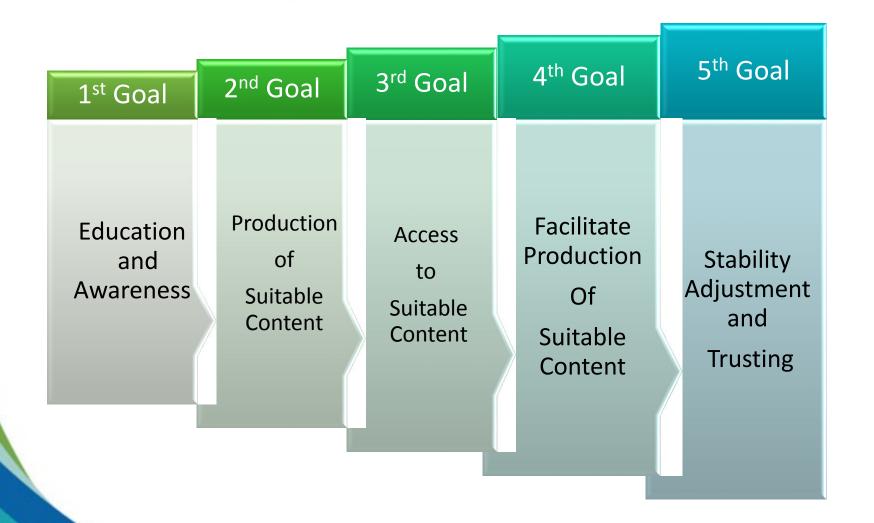


Iran Ministry of ICT supportive document and action plan

- In order to protect children from the damages caused by the internet, ICT Ministry of Iran has compiled and published a "Supportive document and action plan for the development of children's internet services."
- To achieve this document, the ecosystem of cyberspace of the child was first identified with the help of the elite, and then, during various meetings with ecosystem elements from the private and public sectors, the needs and challenges of each of the components of the ecosystem were identified.

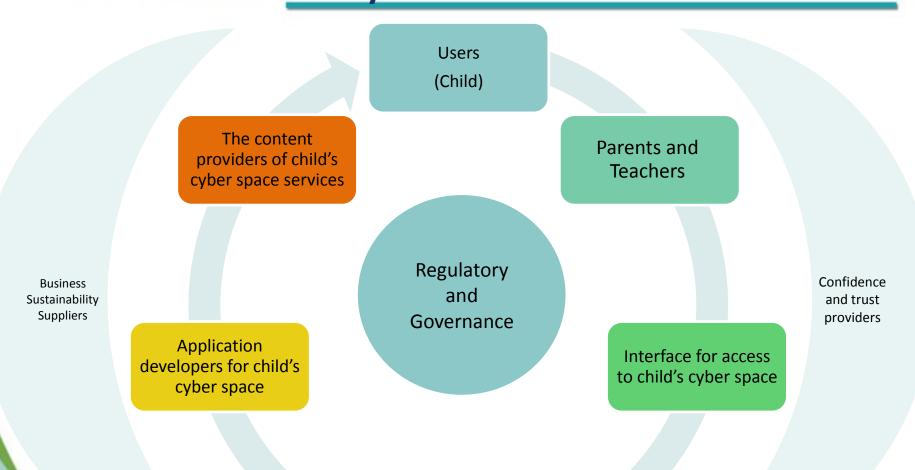


Objectives for the development of child cyber services





Components of the child's cyberspace ecosystem



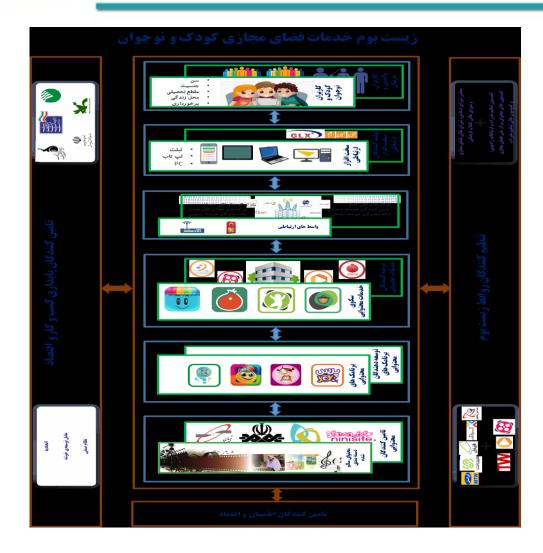
Platform for the provision of content services for the child's virtual space

Communication Services Providers for child's cyber space

یژوهشگاه ارتباطات و فناوری اطلاعات



Children's Cyber Space Ecosystem in IRAN





Principles Governing Children's Virtual Space Ecosystem

Step-by-step realization and focusing on development steps (activity, action and priority) on the main audience (children)

Responsive to all communication and content needs of the main audience (children) and all interactive needs between the main audience with home and school environments

Facilitate management (control and limitation) of child access to the services and content of virtual childhood services by parents (including parents and teachers)

Maximized and Balanced Support from All Producers (Tools, Applets and Contents) and Service Providers (Communication and Content)

Government Focus on Ensuring Business Sustainability and the Economy of the Children's Virtual Space Services Ecosystem

Focusing on maintaining the trust of all elements of the ecosystem

Facilitate and encourage self-regulation or co-regulation of relationships among stakeholders in the ecosystem



The role of the Ministry of ICT

Preparing and providing communication infrastructure and information technology and regulations for children's access to appropriate services and content as well helping to eliminate the barriers to business development and reduce the investment risks in this area.

Responsible for the development of communication networks

Responsible for the promotion of information technology and the dissemination of its applied culture

Market regulator and business keeper of users and service providers and stakeholders



Visions, Strategies, Objectives and Metrics

Cyberspace for children
with Islamic and Iranian identities
That has a share in the sector's economy and the
production of Persian content, based on the
development on the private sector and with the
international constructive engagement

Education, culture and promotion of child cyberspace

Provide communication, content and trust infrastructure

Market development and business reengineering

- -Upgrade knowledge, skills and expertise
- -Promotion and culture

- -Supply and provision of infrastructure for the preparation, production and presentation of content and product
- -Supply and guarantee of trust

- -Facilitating user access
- -Facilitate the provision of content and services
- -Create a healthy competition environment Facilitate the provision and
- production of content and services
- -Developing international relation
- -Facilitate the provision and production of content and services
- -Providing and developing international relations
- -Supervision and legal support of activists

Increase child proprietary SIM cards

Increase the development and production of child proprietary App stores

Increasing sustainable employment

Increasing the number of active businesses

Investment growth

Increased production of child-specific content



How to implement Iran Ministry of ICT supportive document and action plan?

To coordinate the action plan:

- a specialist working group composed of communications, information technology, security and policymaking researchers from academia was created.
- a working group of representatives from the affiliated organizations of the Ministry of ICT was formed.
- a Coordinating Commission including the representatives of the Ministers of Education, Islamic Culture and Guidance, the judiciary and the country, the Assistant Director of the High Council of the Virtual Space of IRAN, the cyber security police and the Radio and Television Organization was set up for coordinated actions.
- The Association of manufacturers and producer of the children's products, content and services in the virtual space is created by the private sector.



Regional Cooperation opportunities

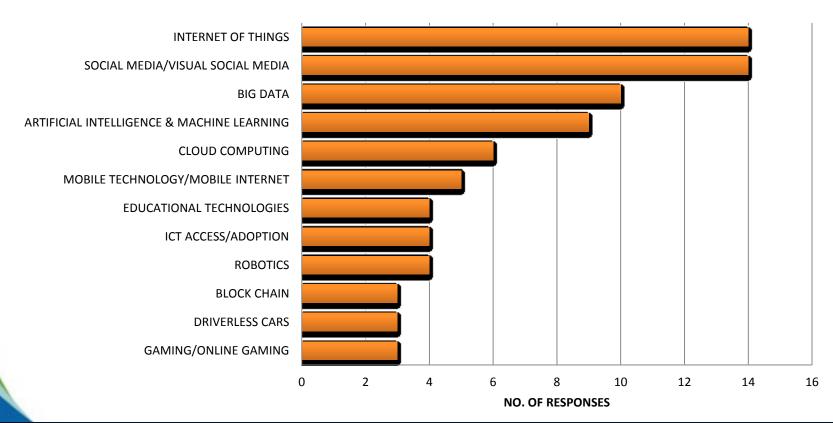
 The Islamic Republic of Iran, with its reliance on longterm rich culture and indigenous technical knowledge in the production of hardware, software platforms, applications and content such as cartoons, films, stories, music, poetry and legal regulation is ready to cooperate with countries in the region that share their geographical, cultural, religious and economic interests.



RErights organization Statistical survey results

KEY TECHNOLOGY TRENDS

What are the top three most exciting technology trends currently?











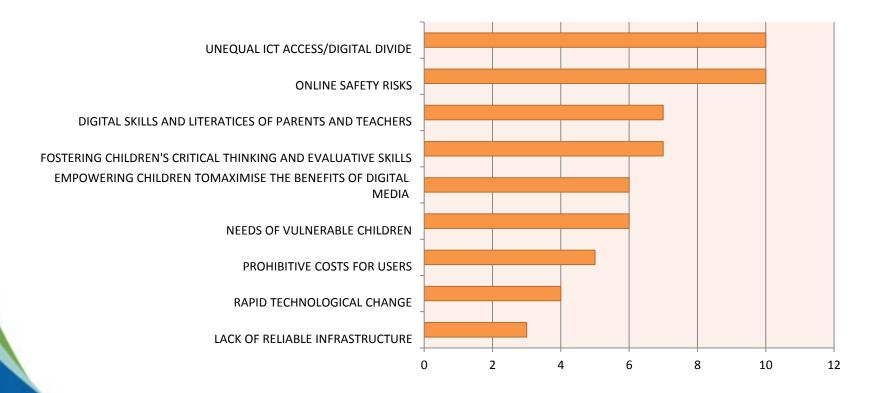






FINDINGSKEY CHALLENGES

What are the top three challenges for children's digital literacy that you envisage for the next five to ten years?













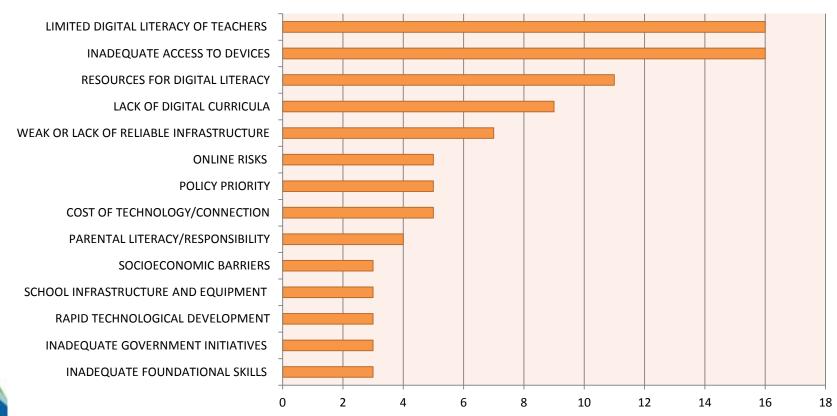




FINDINGS

BARRIERS TO CHILDREN'S DIGITAL LITERACY

What are the top three barriers to children's digital literacy in your country?

















FINDINGS WHAT WORKS

- Intergenerational: parents, teachers, whole of community
- Flexible tools and programs, in languages children speak, that can move with the times
- Targeting very young children and girls/young women
- Teaching digital literacy as part of everyday learning
- Provision of technology in schools
- Using platforms children engage with and enjoy
- Collaborative/interactive strategies
- Strong leadership from government and the technology sector
- Cross-sector cooperation and coordination
- Developing and enforcing teacher competency standards
- Developing targeted teacher training
- Consistent national education policy targeting digital literacy
- Regular evaluation















360 Degrees of child Awareness





Thanks for your kindly Attention

More Information
And Questions

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