



- ▶ **Shahida Sultana**
- ▶ **Deputy Secretary**
- ▶ **A2I Program**
- ▶ **ICT Division,**
- ▶ **Bangladesh**
- ▶ [shahida21bcs@gmail.com](mailto:shahida21bcs@gmail.com)
- ▶ [Shahida\\_sultana@yahoo.com](mailto:Shahida_sultana@yahoo.com)

# Grassroots Innovation: Culture in Bangladesh

## Focus on



Leveraging rapid expansion of technology and E-services



Prime Facilitator of Digital Bangladesh



Building Innovation Ecosystem

# Paradigm Shift in Service Decentralization: Digital Centres

5000+ Digital Centres

10,000+ entrepreneurs

110+ services

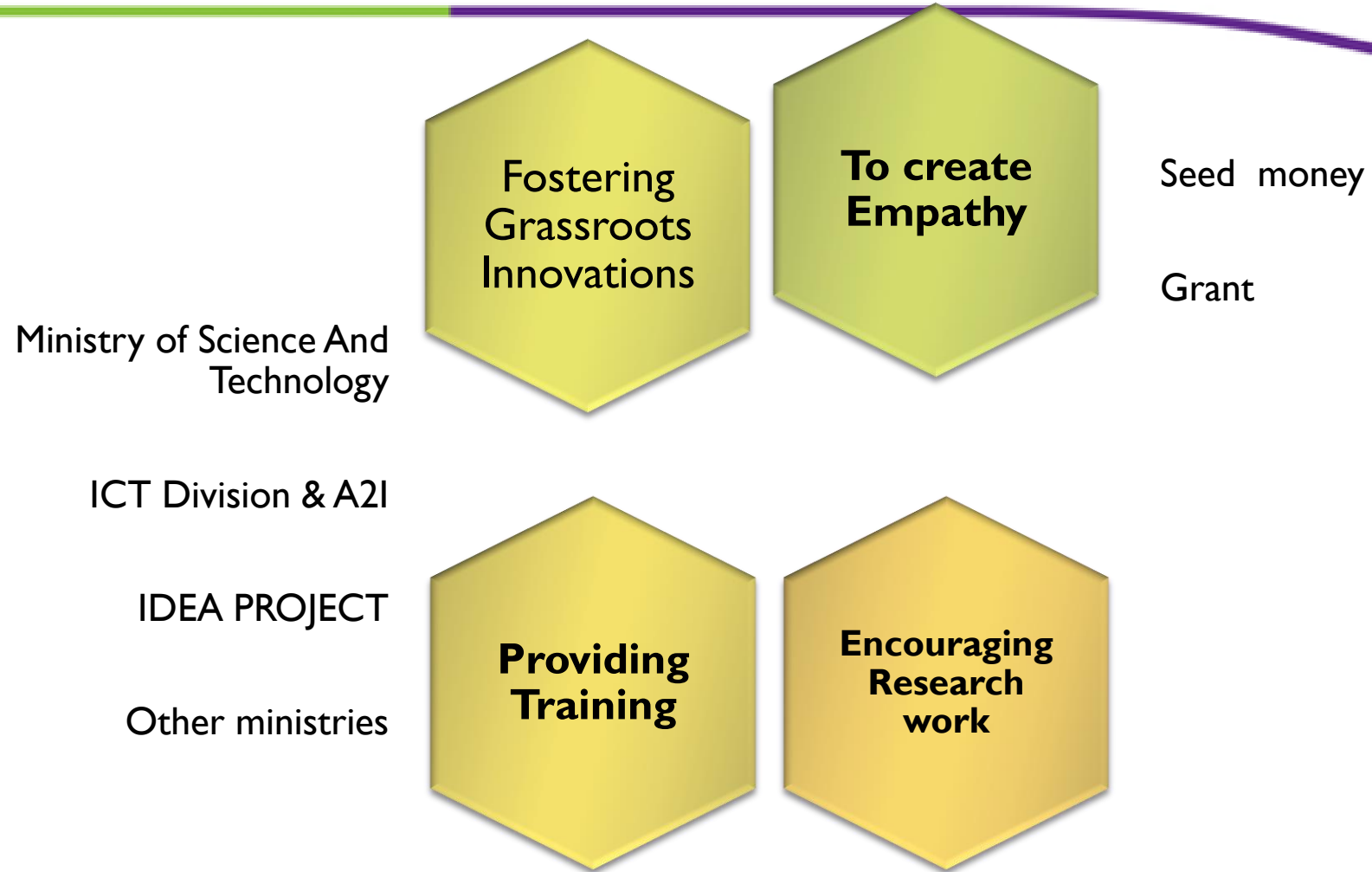
5 million+ citizens/month

- ▶ Government services
- ▶ Innovative Financial Products
- ▶ 'Assisted' Rural e-Commerce



2014





**Innovation Fund to facilitate breakthrough innovation**

**Empathy-based Innovation Triggering**

**Cultivating new seeds of innovation by empowering the youth**



# Transformation of Ideas



**6500+ proposals in 5 years**



**230 ideas funded**



**63 Projects successfully completed**



**30 Projects scaled up**



# To Promote grassroots innovation

Funding innovative solutions to solve national problems through competition

- Implemented 3 projected
- Funding for inclusive University

Platform for accelerating innovation culture through engaging all citizens' especially student and teachers'

Since 2013, SIF providing seed funding and incubate cost-effective, citizen-centered design innovations

## Innovation Fund

- Funded 230 projects
- 63 projects completed
- 30 projects successfully scaled up

## Challenge Fund



## Innovation With a Special focus on Accessibility

- Innovation Lab
- Partnership with 138 Universities
- Introduced Central Nebulizer system
- Nurturing R&D

## Empathy training Of Civil servants

## Women Innovation Camp

- Awarded 22 ideas till now



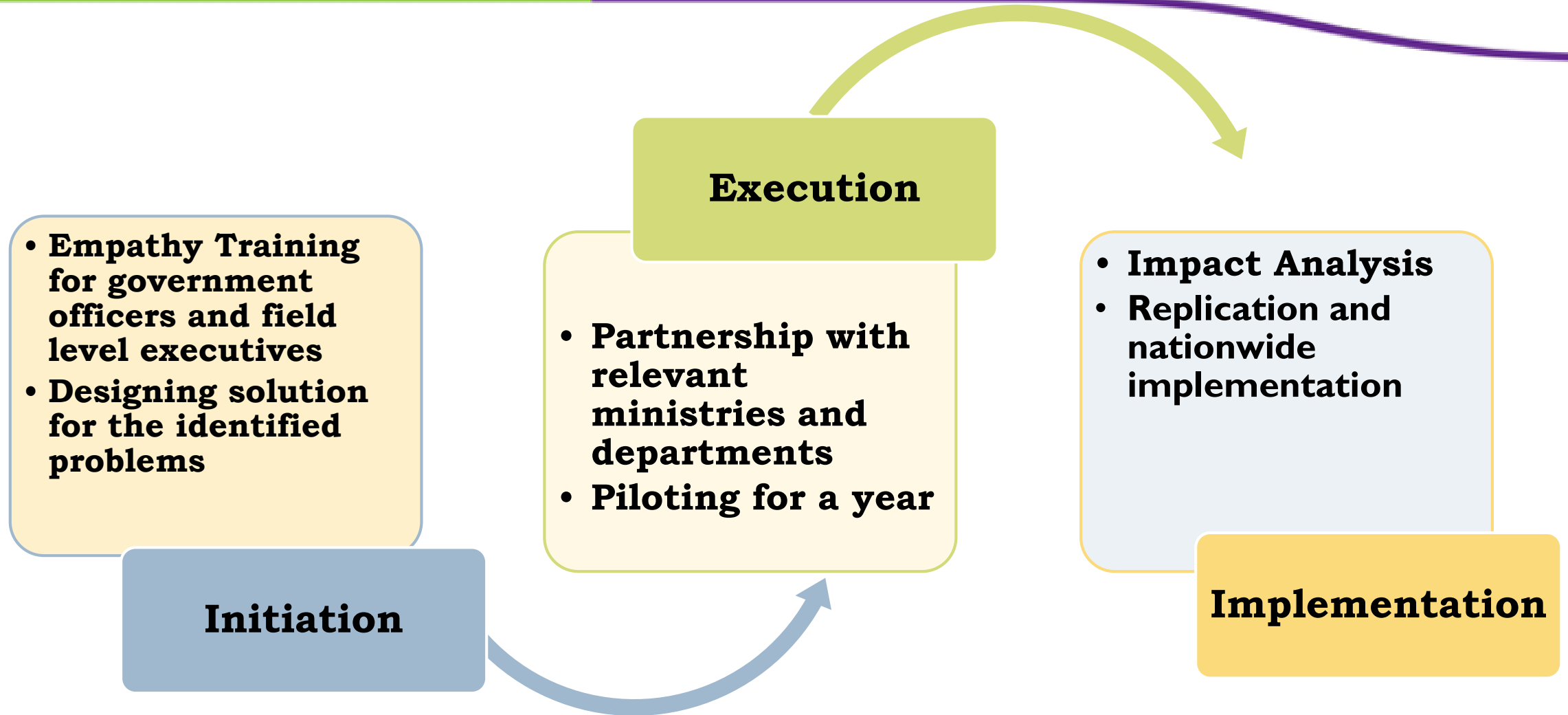
Since 2016, empowering women for solving national and their own problems by themselves



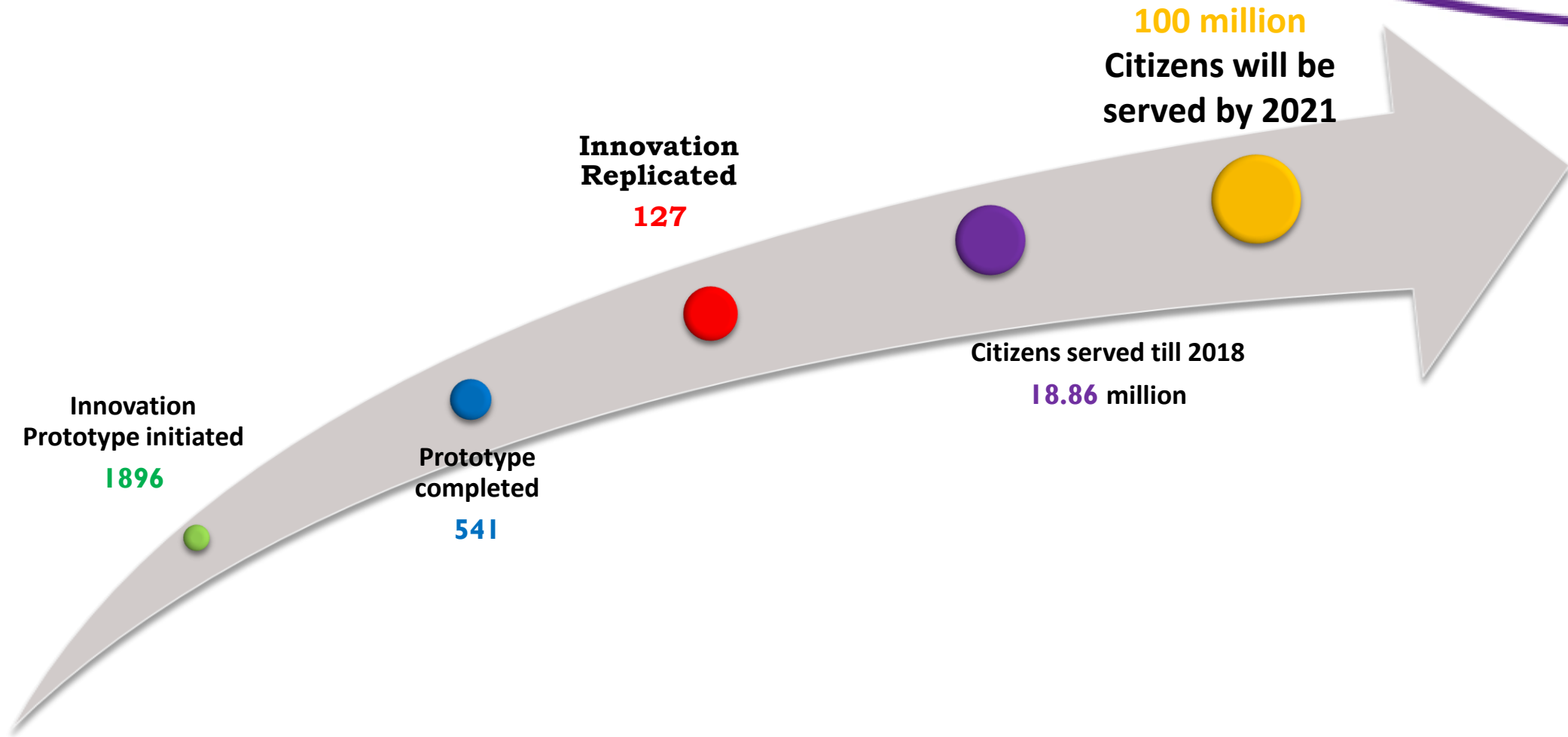
## Area of Collaboration



# Empathy-based Innovation



# Empathy-based Innovation Journey



# Women's Innovation Camp (WIC)

Collaborative initiative of Access to Information Programme (a2i) and Ministry of Women and Children Affairs (MOWCA) to support the **parity issues of women** and involving the society in several women empowerment activities.

**Purpose of this camp is to identify some significant problems in the society and bring feasible solution but through women innovators.**



**WIC 2016: 1 project was funded to pilot**

**WIC 2017: 4 projects were funded to pilot**

**WIC 2018: 5 projects were funded to pilot**



[Home](#) [About Us](#) [Office / a](#)

**Police Clearance**

[nobody](#) [Logout](#) [Feedback](#) [English](#)

[Home](#) [Apply](#) [My Account](#) [Search](#) [Contact us](#)



# Online Police Clearance Certificate

পুলিশ ক্লিয়ারেন্স সার্টিফিকেট পাওয়ার জন্য প্রয়োজনীয় শর্তাবলী


১। আবেদনকারীর পাসপোর্টে উল্লিখিত ছাড়া কিংবা বর্তমান টিকানায় যে কোন একটি অবশিষ্ট নথি/স্টেটপিস / জেনা পুলিশের আওতাধীন এলাকায় অবস্থিত হতে হবে এবং আবেদনকারীকে/ যার জন্য পুলিশ ট্রায়ালেশন সার্টিফিকেট জাওয়া হয়েছে তাকে অবশ্যই ঐ টিকানার বালিকা হতে হবে।

২। দেশের বিদেশ পাসপোর্টের (এম আর পি) এর ক্ষেত্রে যদি পাসপোর্টে টিকানা উল্লেখ না থাকে তবে টিকানার প্রমাণ স্বরূপ জাতীয় পরিচয় পত্র/ভোটাভূমিকা/ইন্টার

[Login](#)

[Registration](#)



**DEPARTMENT OF ENVIRONMENT**

[Help](#) [How to apply](#) [Search project](#) [Certificate Verification](#) [Login](#) [Register](#)

## পরিবেশগত ছাড়পত্র অটোমেশন

You must use your own E-mail address and phone no. This contact adress will be used for your future conversation (to notify you for the work progress and incomplect submitted papers) between You and DOE office

**Contact Address**  
Email: sadiq.doe@gmail.com  
Phone: 02-8181768

### Sign In

User ID \*

Email

Password \*

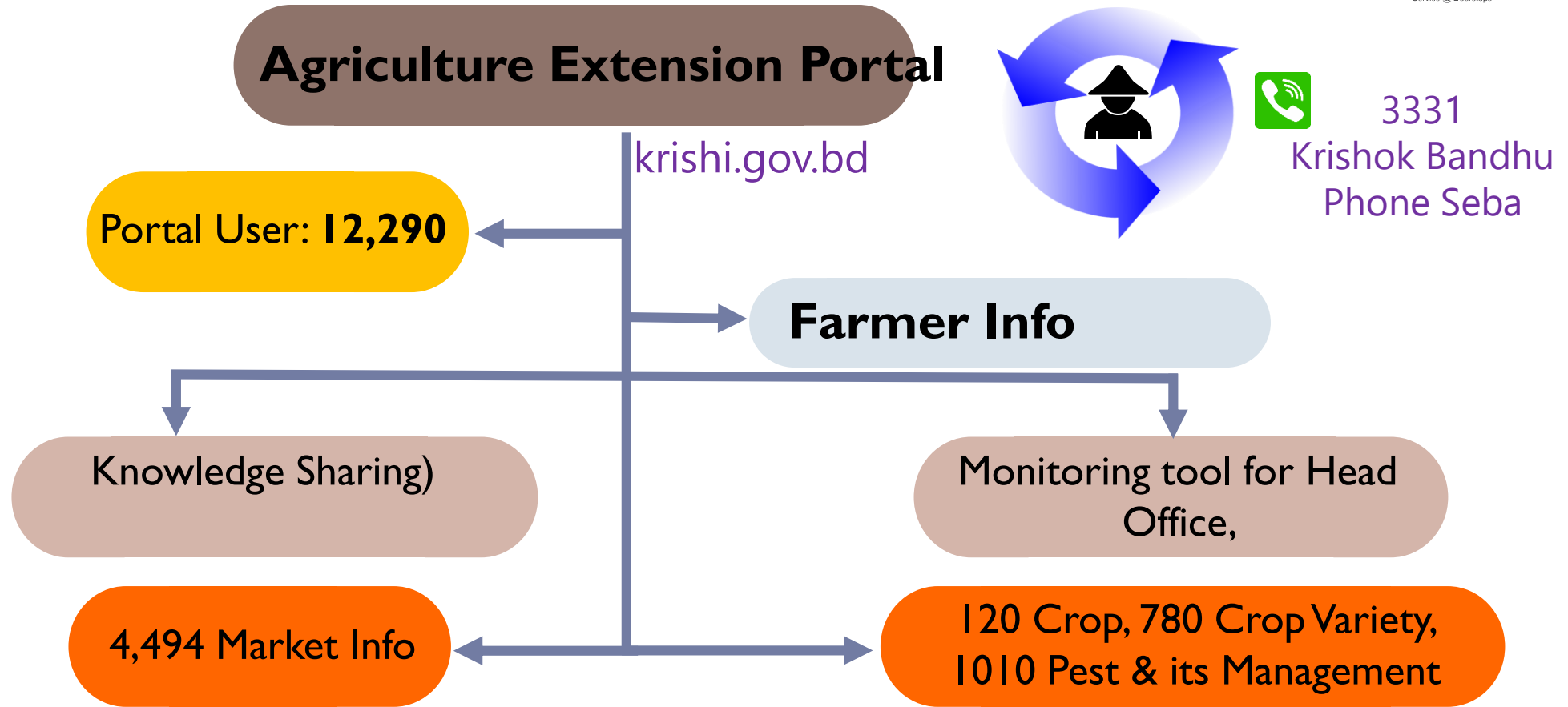
Password

Enter code \*

9218



# Agriculture Extension Portal (AEP) Krishok Bandhu Phone Seba





# Citizen centric



**Prison Link**



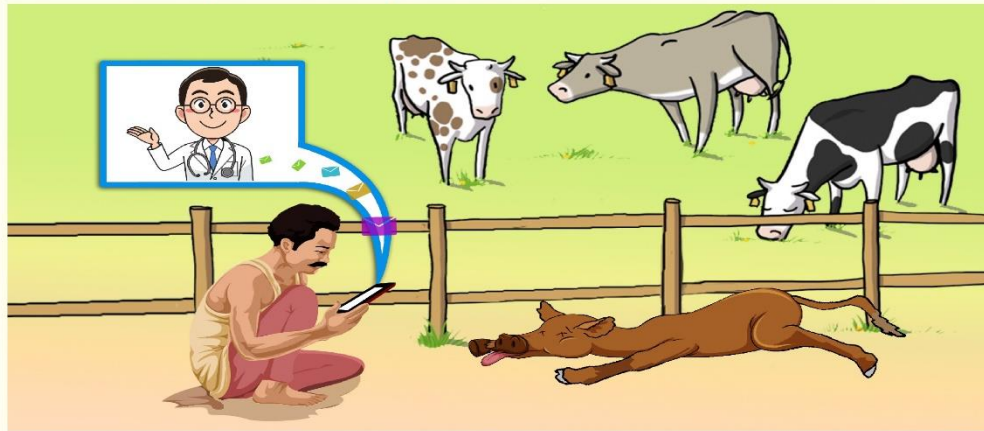
**Krishoker Janala**



# Notable Projects of Innovation Fund

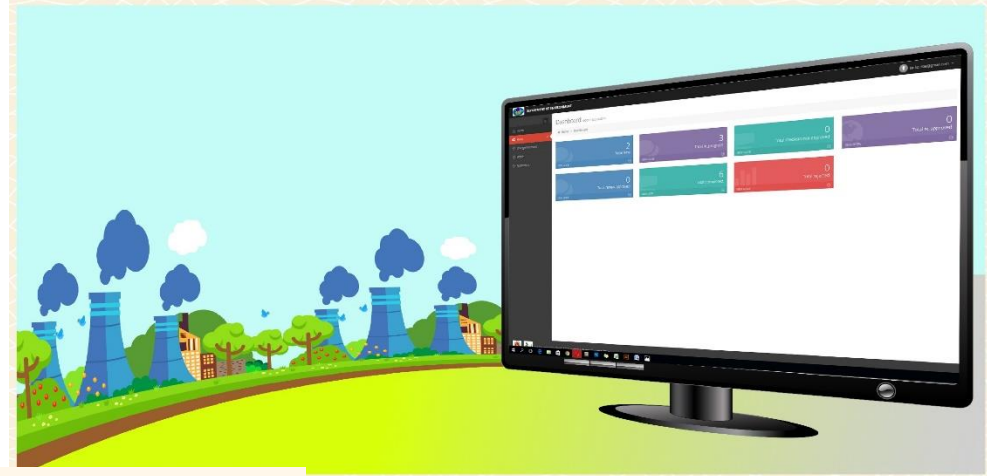
## SMS based service of Department of Livestock Services

A helpline for advisory and health-related services of Department of Livestock Services for farmers and livestock raisers. The system enhances the services of Department of Livestock Services (DLS) by providing information regarding different diseases of the livestock and their remedies through mobile SMS service so that the poor farmers and livestock raisers can get information easily and quickly. The service is easily attainable from any kind of mobile phone which makes it even more hassle free.



## Online Environmental Clearance Certificate

A dynamic online based system to ease the process of environmental clearance certificate generation and distribution for business organizations. The online system is an efficient replacement of the manual process to meet the public demand.



## Online Police Clearance Management System

An online system that will allow abroad going citizens of Bangladesh to get police clearance certificate without visiting the police station. The digital system relieves the citizens from the hassles that came along the previous manual process and ensures service delivery within a short period of time.



# COMPETITOR ANALYSIS

## Talk Tablet



\$80

*Icons and messages cannot be customized or added*

## Talking Device



\$65

BDT 5,500

## PRIO-mini



\$3995

*IOS based and not customizable*

# Competitor Analysis



**Victor Reader Stratus12  
M Daisy MP3 player**  
**\$455**

Customization  
and modification  
not possible.  
Bangla TTS not  
available



**Multimedia Book Reader**  
**\$65**  
**BDT 5500**



**HVPro Player**  
**\$130**

Customization  
and  
modification not  
possible.  
Bangla TTS not  
available



# 3

---

## SOLAR TRI CYCLE

---

Developed for  
underprivileged  
persons with  
physical  
disability



# Smart Blind Stick

## Project Brief:

A blind stick equipped with developed system, which is provide hepatic feedback whenever there are obstacles nearby. Therefore, blind people will get alert easily about the obstacles ahead them.

**Per Unit Cost: 5,000 BDT**  
**Approximately 62\$**



# Central Nebulizer

A centrally controlled nebulizing system to serve multiple patients using a single cylinder.

Each nebulizer can have up to 30 nebulizing pipes attached with different hospital beds and the doses will be centrally controlled by the device using a switch.



# PILOTING

The system is currently installed in National Institute of Diseases of the Chest and Hospital with 6 nebulizing pipes attached with 6 different hospital beds serving at the emergency room.

**Price: BDT 2 Lac for 6 nozzles**  
**Max- 2400 \$**





## Problems Faced to Execute the Innovation Journey

1. Development of global standard product and ensuring quality
2. Lack of investment for commercialization
3. Some archaic national policies
4. Limited partnership between government and private sector, and between government and citizens, to solve problems

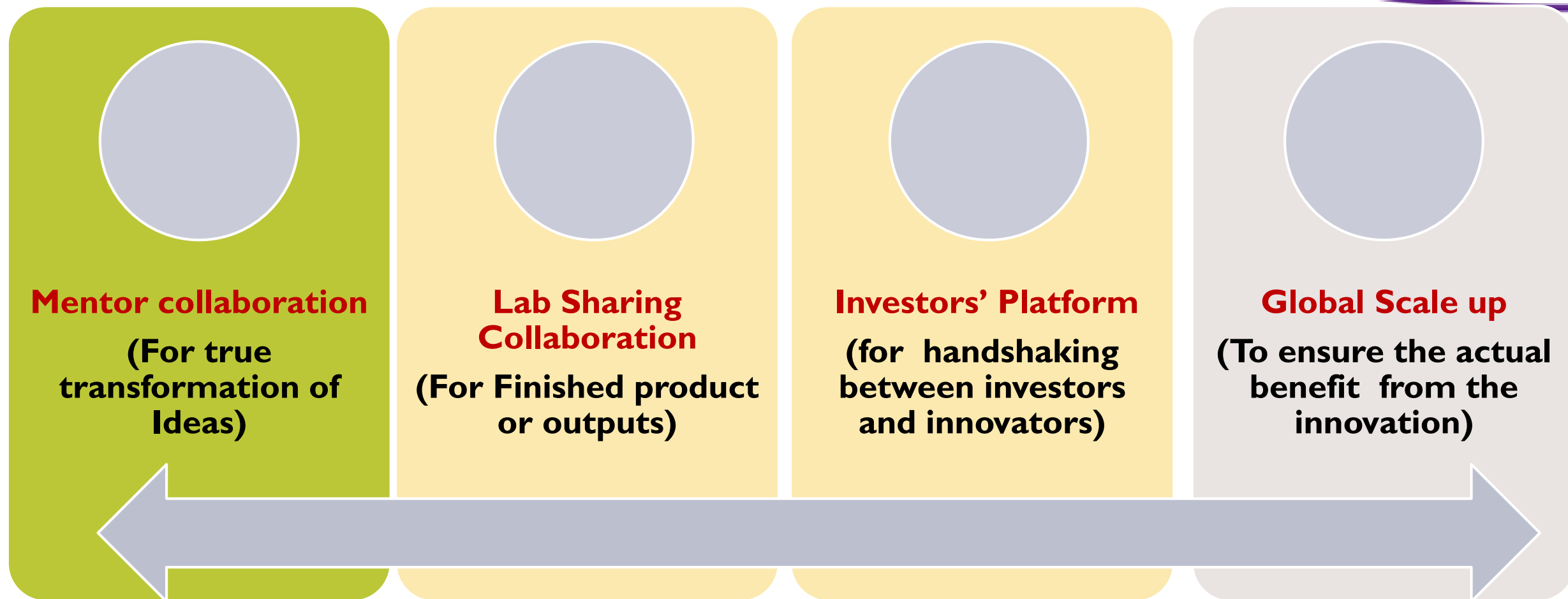


## **Innovation: Policy formulated/ reformed**

---

- Procurement from single source for the innovative products from grass root innovators for the scale up purpose
- Budget allocation for the maintenance of scaled up grass root innovations
- Integration of innovation with the annual performance agreement of every ministry
- Space allocation/lab facilities for innovators in the developing stage

# Collaboration: SCOPE FOR ESCAP



Thanks to  
you all