



Skills Development and the Future of Work in Bangladesh



**Innovative
Research**



**Spirit of
Liberation War**



**Job
Oriented
Skills**



**Eradication of
Terrorism
& Drugs**



**POWER OF
YOUTHS**

**Employment
& Entrepreneurship**



**Encouraging
Sports**



**Safe
Migration**



**Culture &
Entertainment**



Bangladesh Youth Context...

- Labour force: **82M**, growth 2.2% (2 M)
- Total Youth Population (age 10-24): **48 M** (34% of total)
- Youth Unemployment: 11% (5.2M)
- Youth in NEET: **20%** (11.6M) [Not in Employment, Education and Training]
- Total LF Underemployment: 19% (15M)
- Every year 1M migrants leave Bangladesh and will reach 2M by 2027
- However, every year 3% jobs get automated and 66% jobs will be replaced by 2041
- **15M** need to be skilled and job place by 2023 [Election Manifesto]
- **73M** need to be equipped with 4IR skills by 2041

	2019	2030
Population	166M	210M
Urban	36%	45%
Status	Lower Middle-income	High Middle-income
Economy size	42 th largest	26 th largest
Strategy	Survival, equity	Growth, equity
Child	Entering	Graduating

a2i Skills Strategy

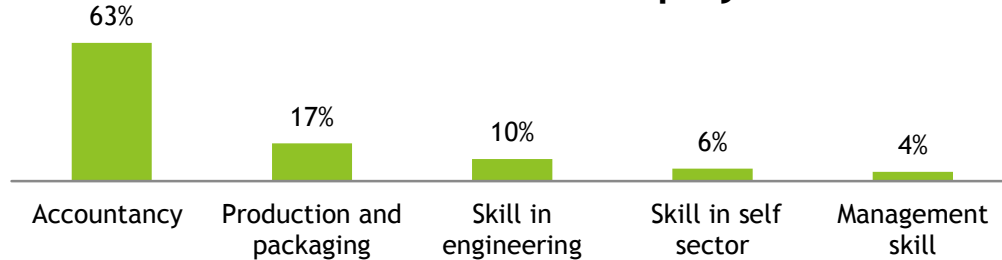
- Ensure decent employment for everyone
- Increase remittance per capita



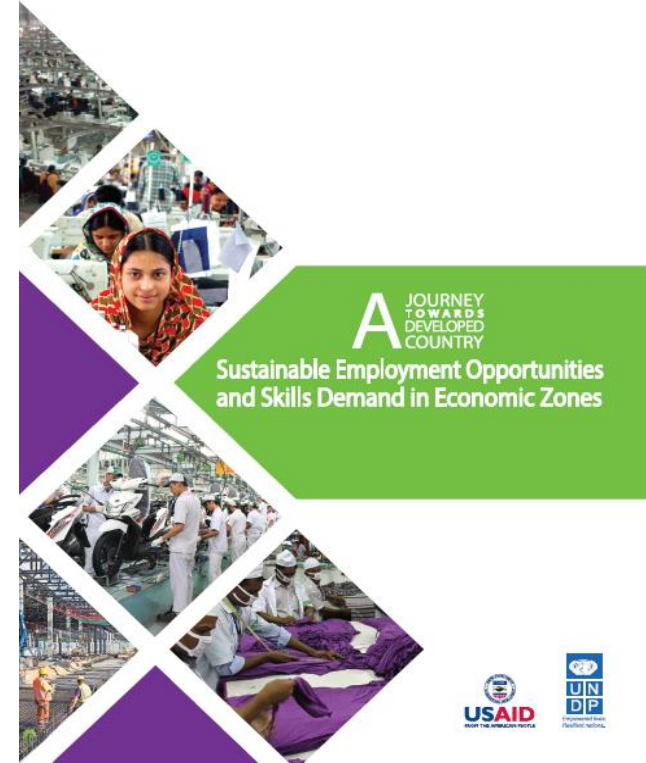
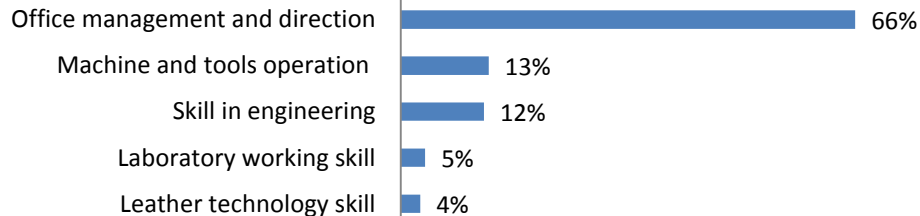
Analysis: Domestic Job Market

❖ **10M** job opportunity in 100 Economic Zones by 2030

Skills of middle level employees

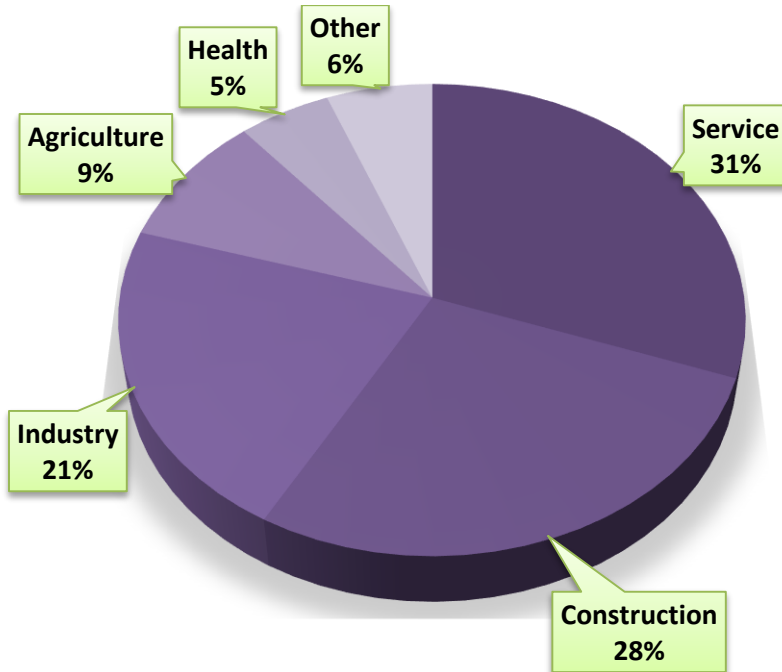


Skills for senior level employees

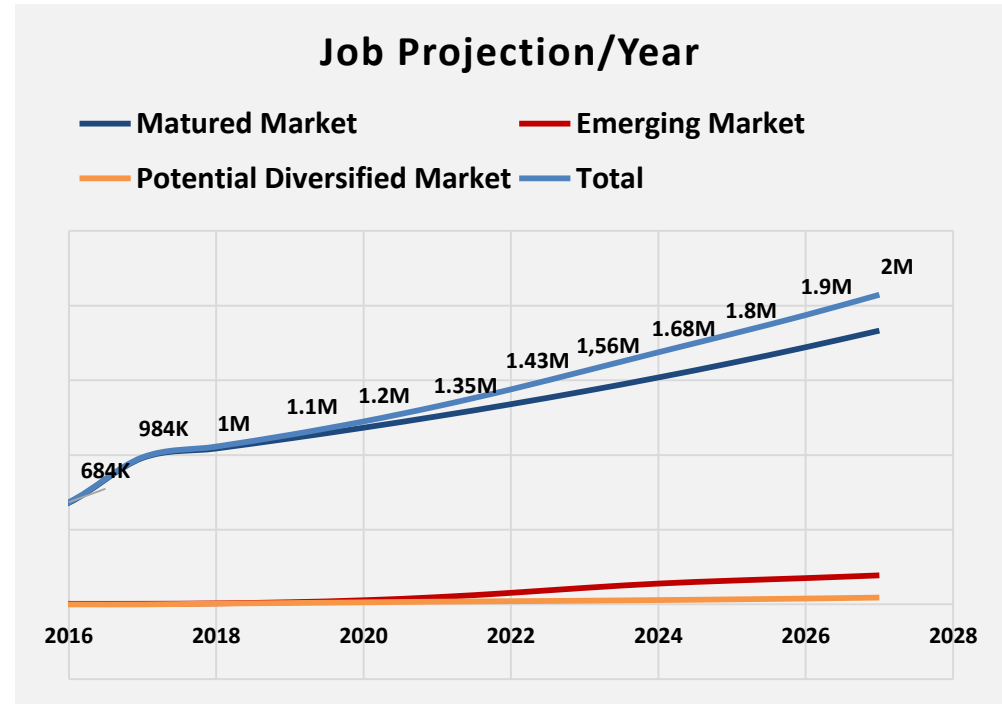


Analysis: International Job Market

- By 2027, **2M/Year** needs to be skilled with International Job Market demand



Sectoral Job Prospects



Innovation in Skills Development: Whole of



skills.gov.bd



apprenticeship.gov.bd



Imam.gov.bd



Partnerships with ILO Bangladesh:



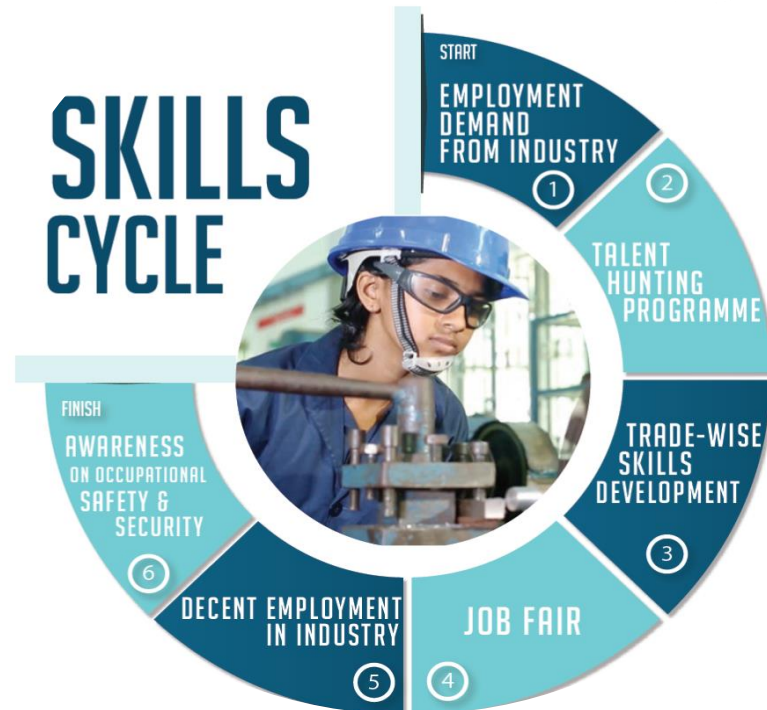
- Apprenticeship Programme with B-SEP, ILO
- Migration Management System with Migration Project, ILO
- Sectoral 4IR assessment and skills mapping, ILO





Innovation in training centre based skills by ensuring Skills Cycle

- **152K** skilled and ensured decent job since 2016
- Reach **1M** by 2023
- Sectors:
 - Agro-Food
 - Tourism & Hospitality
 - Construction
 - Light Engineering
 - Leather and Footwear
 - Furniture
 - Insurance & Banking



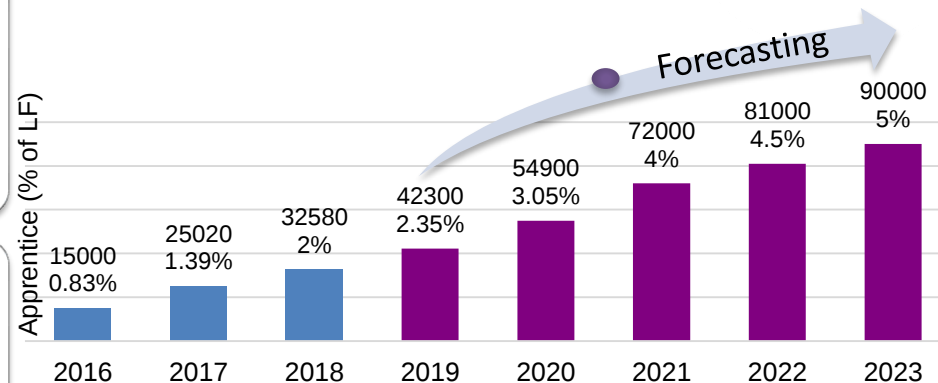
□ Apprenticeship (started with 800 certified in 2016)

Apprenticeship in Informal Workplaces

- **12,500+** dropped out youth
- **127** Sub-districts
- **6,000** Master Craft Persons (MCPs)

Apprenticeship in Formal Industry

- **22,000+** Tertiary educated youth
- **400+** formal industries
- **Sectors:** Agro-Food, Tourism & Hospitality, Leather & Footwear, etc.



Developed Country by 2041: Target to Achieve



Bangladesh in Global Platform



Skills for Qawmi Madrasah Students

- **22,000+** Students trained with vocational skills
- **8,000** Female
- **Occupations:** Basic computer operation, Driving, mobile servicing, electrical house wiring, aminship, tailoring, block boutique, etc.



Skills for Minor Ethnic Communities

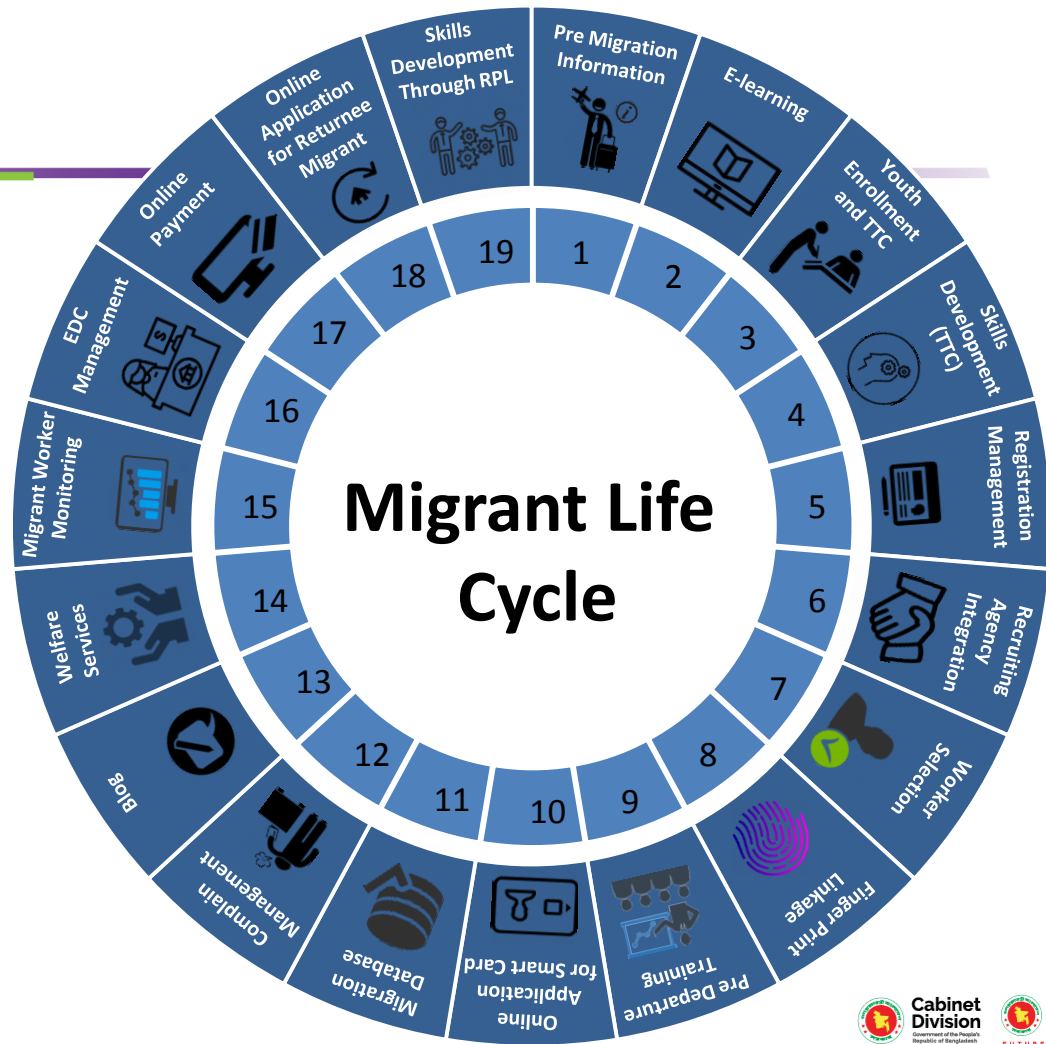
- **80+** specialized training centers of PMO
- **35,000+** rural unemployed youths skilled and job placed
- **Occupations:** Basic computer operation, web design, graphics design, RMG mid-level manager



Income Generating Skills for Imams & Muazzins

- **5,000** Skilled
- **Occupations:** Driving, mobile servicing, electrical house wiring, aminship, etc

1. First ever migration life cycle in Bangladesh which connects all government and private stakeholders related to migration process in one place
2. Sensitize potential migrants with pre-migration information
3. Ensure skills for every potential migrants by activating No skills - No migration policy
4. Post migration services through EDC
5. Re-integration of returnee migrants in economic activities



Analysis: **Impact of Automation**

Sector	Possible job loss by 2041	Occupations at risk
RMG	60% (2.7M)	▪ Designer, production manager ▪ Knit and sewing machine operator ▪ Quality control executive
Furniture Industry	55% (1.4M)	▪ floor in charge ▪ charge hand ▪ helper
Agro processing industry	40% (1M)	▪ Secondary processing ▪ sorting, mixing ▪ temperature and quality control ▪ processing and packaging
Tourism and Hospitality	20% (0.6M)	▪ Bakery and pastry maker ▪ Food mixers ▪ Front desk officer ▪ Product design and developer ▪ Marketer ▪ Travel organizers ▪ Business operation managers
Leather Industry	35% (0.4M)	▪ Chemical processing ▪ leather cutting, ▪ lasting and finishing

New opportunities....



Digital Marketing



Automated Food Processors



Cyber security



Data analytics



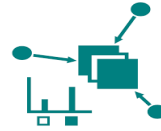
Mobile technology



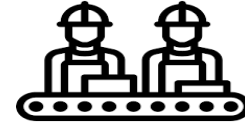
3D printer operator



Engineers



Modeling and Simulation



Automation and robotics control



Ready-to-Assembl Designer



Augmented Reality



Blockchain Professionals



Industrial IoT

4IR based Future Skills

- Re-skilling and Up-skilling of **250K** by 2023
- **Sectors & Occupations:**
 - **RMG & Textile:** 3D printer operator, Industrial IoT Expert, Modeling and Simulation Expert, Automation and Robotics control
 - **Furniture Industry:** Ready-to-Assemble (RTA) designer and Industrial Robotics Control
 - **Leather Industry:** Footwear design simulation, CAD CAM Engineering, Pattern Making
 - **Agro Processing Industry:** Food technologists, Machinery Maintenance, Automate packaging operator, industrial robotics control
 - **Tourism and Hospitality Sector:** Digital marketing, Automated food processors, Cyber security, Data analytics



Digital Rural Entrepreneurship

- **10,550 Digital Centre Entrepreneurs** among them **50%** female
- **3,000** Women trained and developed as **SME Entrepreneur**
- **150** grassroots innovations
- Develop linkage between industry and innovator for **Risk-Capital** entrepreneurship model

Mid-level Managerial Skills Development

- Developed **5,500** Mid-level Manager in RMG Sector
- Mid-level Managerial course at University Level



FOREIGN EMPLOYEES IN BANGLADESH

Number of foreign employees: **2** lakh

They are mainly from India, Sri Lanka, Pakistan, China and South Korea

They took home nearly **\$5**b last year

Most of them are employed in garment sector



Thank you

