Empowering Girls through ICT Education: Where Do We Stand?

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Introduction

Gender Based Population Ratio

Education and Literacy Level

Source: Gender Statistic Report of Bangladesh 2018
Labor Force of Bangladesh

In 2006

84% Men
16% Women

In 2019

64% Men
36% Women

Source: The statistics of Bangladesh progress report 2019
Leaky Pipeline of Tech Women in Bangladesh

In Academia: 25%
In Profession: 12%
Global Workforce: 40%
Women in Tech: 17%
Pay Gap: 19%
STEM Graduates: 34%
Tech Career 1st Choice: 3%

At the current pace of change it will take
73152 DAYS 18 HOURS 03 MINUTES 48 SECONDS
until the economic gender gap is closed.

Source: https://www.womentech.net/women-technology-statistics
ICT Giants

Dennis Ritchie, Creator of C

Linus Trovalds, Creator of Linux

Tim Berners-Lee, Inventor of WWW

Steve Jobs, Co-founder of Apple

Bill Gates, Principal Founder of Microsoft

Mark Zuckerberg, Co-founder of Facebook

Larry Page, Co-founder of Google

Sundar Pichai. CEO of Google
Eminent Scientists

Albert Einstein

Thomas Edison

Charles Darwin

Isaac Newton

Alexandar Graham Bell

Stephen Hawking
Inspiring Women in Technology

Ada Lovelace, First Programmer
Grace Hopper, Creator of COBOL
Margaret Hamilton, NASA Software Engineer

Marie Curie, Noble Prize Winner
Rosalind Franklin, Discovered density of DNA
Anita Borg, American computer scientist
Sheryl Sandberg, COO of Facebook
Technology in its various forms, including ICTs, continues to redefine and revolutionize the way we all live and work.

Access to technology plays a large part in cementing gender inequality, especially in developing countries.
Reasons of Women’s Underrepresentation

- Gender bias in selecting undergraduate studies
- Social and structural barriers such as a dominant male culture
- Difficulties in balancing work and family responsibilities
- Discriminatory organizational practices
- Intimidated by technology
- Lack of role models
- Lack of mentoring
- Lack of networking opportunities
Some Recommendations

- Change girls’ and young women’s self-concept
- Widen girls’ and young women’s aspirations to consider a career in ICT
- Training for education providers and teachers to change the gender stereotypes
- Connect with female role models
- Connect students and young professionals with mentors
- Organize special seminars for Secondary and Higher Secondary students
- Make the internet safe
- Introduce scholarship for women in STEM
- Ensure safety and security in workplace
- Policy level change in organizations
Our Initiatives to bring more girls in STEM

Scratch Programming for Kids
Our Initiatives to bring more girls in STEM

Activity on Robotics
Our Initiatives to bring more girls in STEM

Science Congress
Our Initiatives to bring more girls in STEM

High School Programming Contest
Our Initiatives to bring more girls in STEM

National Girls’ Programming Contest
Performance after our #missingdaughter Program

Female Programmer Team

2011 | 2015 | 2017
---|---|---
20 | 67 | 384

National Girls Programming Contest

6.75 times rise
Any Question?

THANK YOU

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