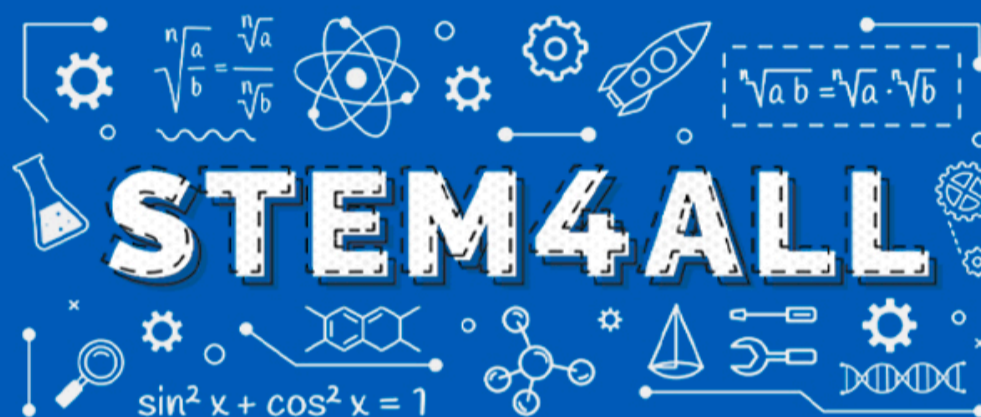
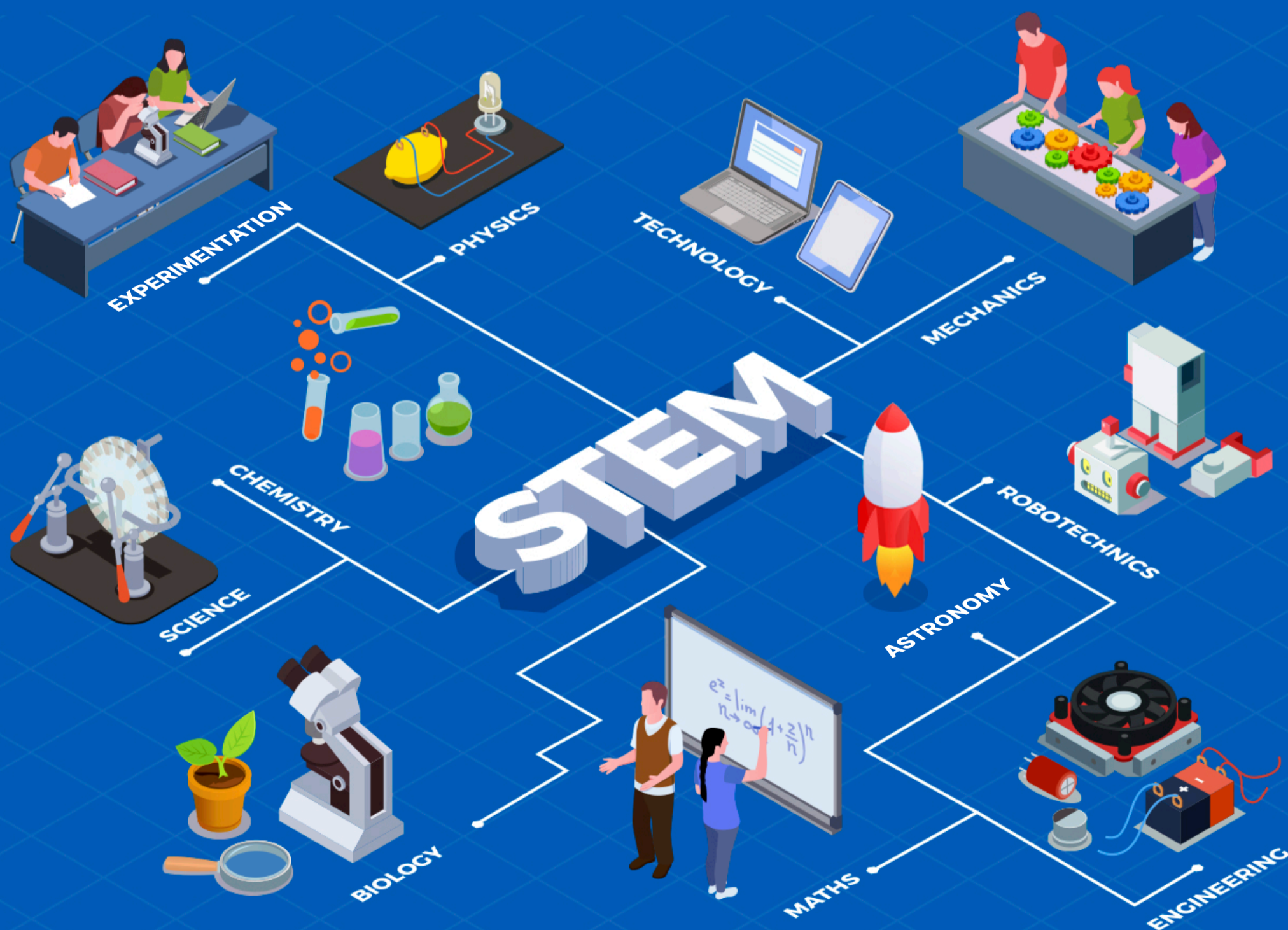


POST-COVID 19

NEEDS ASSESSMENT OF STEM WOMEN IN KYRGYZSTAN



STEM (Science-Technology-Engineering-Mathematics)





**Increasing demand for STEM workers
in the COVID-19 and the post-COVID time is projected**

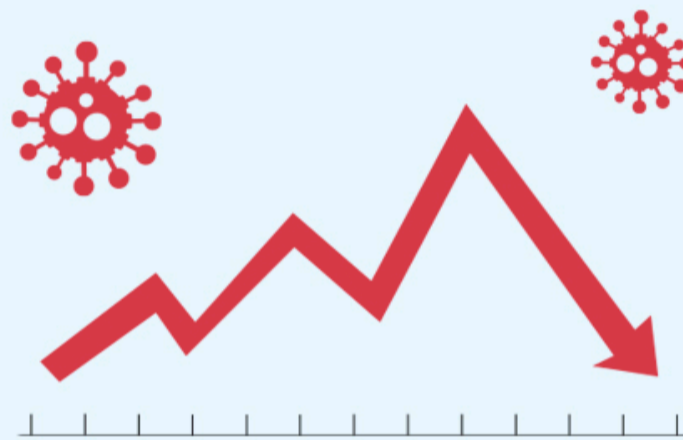


 COVID-19 cases

 Demand for STEM works

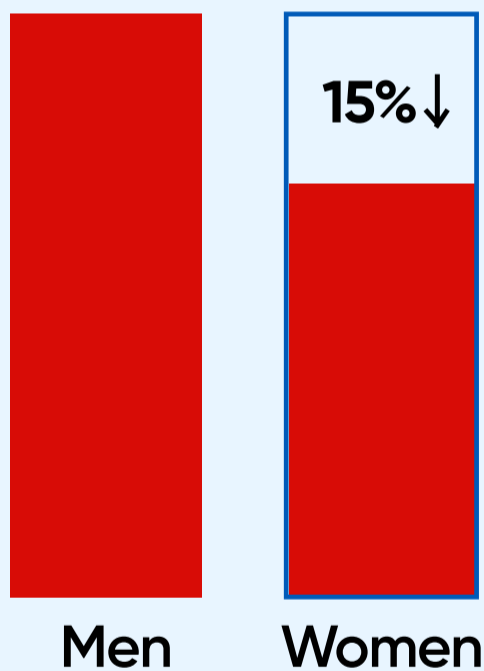


114 million
jobs were lost in 2020



01

02



Women's employment rate
in Europe and Central Asia
15 percent
lower than that of men

BUT the demand
for workers in STEM
occupations has continued,
**and is only expected
to grow in the future**



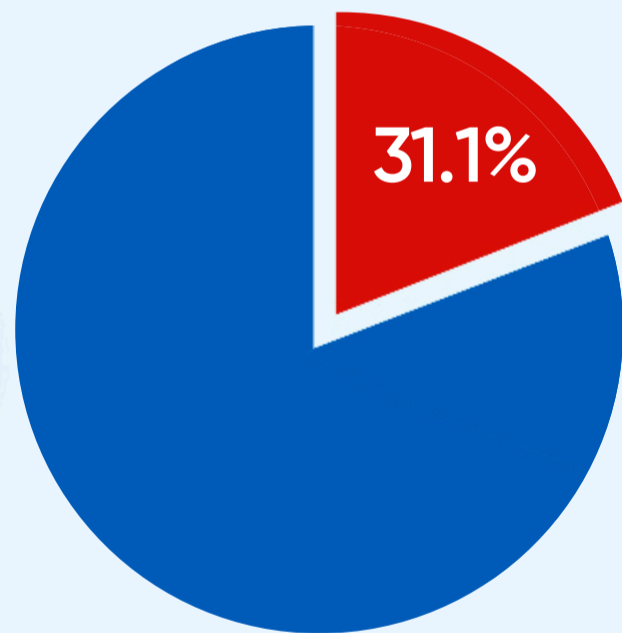
03

Kyrgyzstan Context

In Kyrgyzstan,
1 out of 3 girls
has computer literacy



01



02

Only 31.1%
of female tertiary
graduates are in STEM fields.
**Often women do not pursue,
STEM subjects and STEM
professions**

Lack of a mapping of key stakeholders and
understanding of challenges faced by STEM
women in the post COVID-19 **"new normal"**

03

Job Landscape

By 2025, new jobs will emerge and other ones will be displaced by a shift in the division of labour between humans and machines, affecting:

(World Economic Forum, 2020)



Growing job demand: ← **Dominated by MEN**

1. Data Analysts and Scientists
2. AI and Machine Learning Specialists
3. Big Data Specialists
4. Digital Marketing and Strategy Specialists
5. Process Automation Specialists
6. Business Development Professionals
7. Digital Transformation Specialists
8. Information Security Analysts
9. Software and Applications Developers
10. Internet of Things Specialists

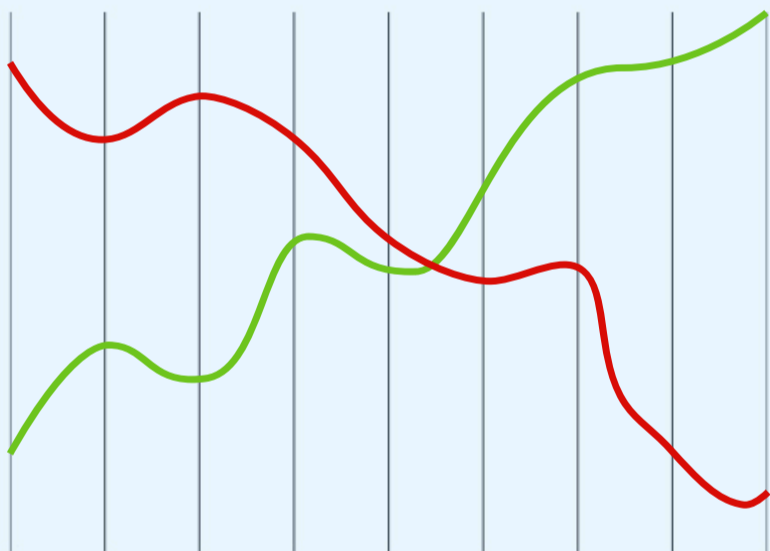
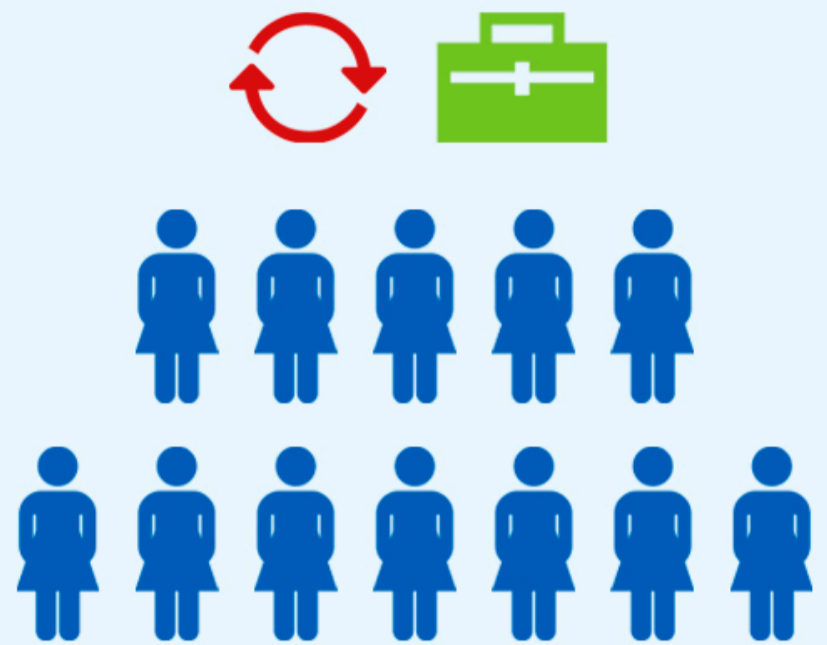
Decreasing job demand:

1. Data Entry Clerks
2. Administrative and Executive Secretaries
3. Accounting, Bookkeeping and Payroll Clerks
4. Accountants and Auditors
5. Assembly and Factory Workers
6. Business Services and Administration Managers
7. Client Information and Customer Service Workers
8. General and Operations Managers
9. Mechanics and Machinery Repairers
10. Material-Recording and Stock-Keeping Clerks

97 million

85 million

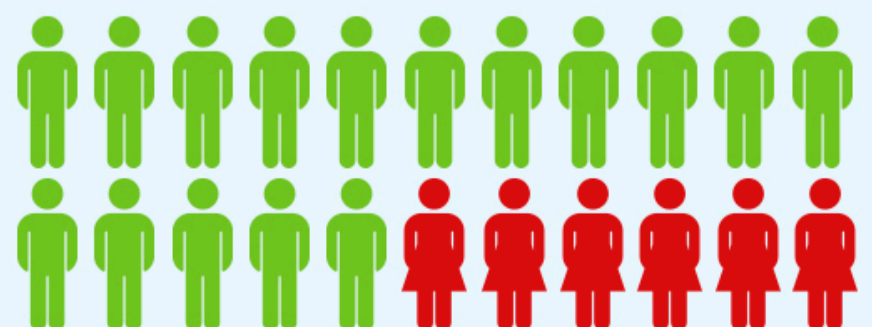
By 2030, it is estimated that **40 million to 160 million** women will need to transform their occupations (UNICEF, 2020).



Another research projects that in the next twenty years, **180 million** women's jobs will be automated.



About 30% - 50% of women are less likely than men to use internet and technology to upskill and/or re-skill themselves for the future of work (UNDP, 2021).





We cannot afford denying half of humanity the opportunity to enter and succeed in this high-growth sector that powers the green and digital transition