

# Future Skills Program in West Bengal

*Supported by IBM SkillsBuild*

Implementation Partner-  
Edunet Foundation

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November. 2023



# About Edunet Foundation



## Registered Trust

Recognized under sections 12AA and 80G of Income Tax Act.



**GuideStar Verified**  
for transparency



**Great Place To Work**  
Certified



**Special Consultative**  
**Status**  
with the United Nations

## Goal

Creation of educational networks and sustainable communities

## Focus

4<sup>th</sup> & 5<sup>th</sup> Industrial Revolution focused Employability and Entrepreneurship

## National Footprint

Large pool of technical manpower on the ground: 70+ technical and soft-skills trainers

Over 250 active institution partnerships and access to tens of thousands of students

## Audience

**2021:**

150,000+ learners in past 12 months from K-12 schools, ITIs and colleges

**2022:**

More than 225,000 learners are being targeted



# IBM SkillsBuild for Job Seekers

A free digital platform that gives every adult the opportunity to develop technology and professional skills regardless of your background, education, or life experiences.

Comprehensive ecosystem to support

- **Learning needs** – tens of thousands of courses on technical and professional skills with certification and badges from IBM
- **Hands-on experiential learning** experiences – opportunities to participate in the project-based learning and industry mentorships
- **Access to employment** – opportunities to join digital work / job fairs for employment opportunities



<http://skills.yourlearning.ibm.com/>

1,700,000+  
Learners Onboarded

38,000+  
Access to Employment

1,000,000+  
Course Completions

1,000,000+  
Learning Hours

# Learning Objectives on Tracks

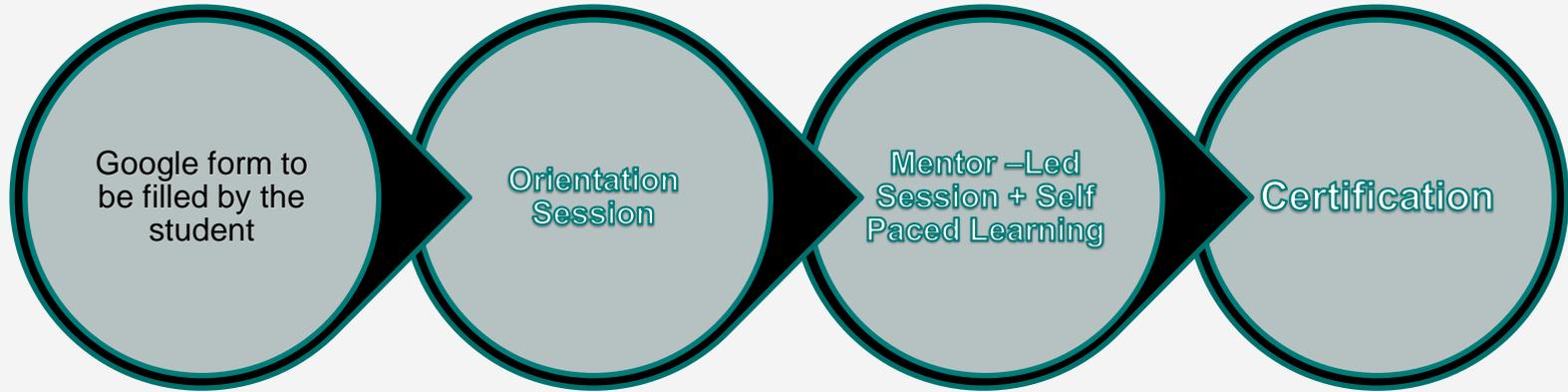
## Generative AI

- **Introduction to Generative AI:**
  - Understand the basics of generative AI and its significance in various fields.
- **Real-World Applications:**
  - Explore how generative AI is used in practical applications, from art to healthcare.
- **Generative Models:**
  - Learn about key generative AI models, like GANs, VAEs, and transformers.
- **Ethical Considerations:**
  - Discuss ethical issues related to generative AI, such as deepfakes and bias.
- **Future Prospects and Challenges:**
  - Delve into the potential impact of generative AI on different disciplines and the challenges it presents.

## Introduction to Cloud

- ⑩ **Cloud Technology Fundamentals:**
  - Understand the basic concepts of cloud technology, including what the cloud is and how it works.
- ⑩ **Cloud Service Models:**
  - Learn about the different service models in cloud computing, such as IaaS, PaaS, and SaaS.
- ⑩ **Cloud Deployment Models:**
  - Explore various cloud deployment options, like public, private, and hybrid clouds.
- ⑩ **Real-World Applications:**
  - Discover how cloud technology is used in diverse industries, from business to research and development.
- ⑩ **Benefits and Challenges:**
  - Evaluate the advantages and potential drawbacks of adopting cloud technology in different contexts.

# Program Process



# Training Timeline

Day	Topic	Batch 1	Batch 2
1	Program Orientation (optional)	3 <sup>rd</sup> Nov'23	8 <sup>th</sup> Nov'23
2	Generative AI	6 <sup>th</sup> Nov'23	9 <sup>th</sup> Nov'23
3	Cloud Fundamentals	7 <sup>th</sup> Nov'23	10 <sup>th</sup> Nov'23

## Session Breakup

Batch Timings: 4:30 p.m. to 6:30 p.m. (2 hours)

Orientation – 25 mins

Mentor Led session- 35 minutes

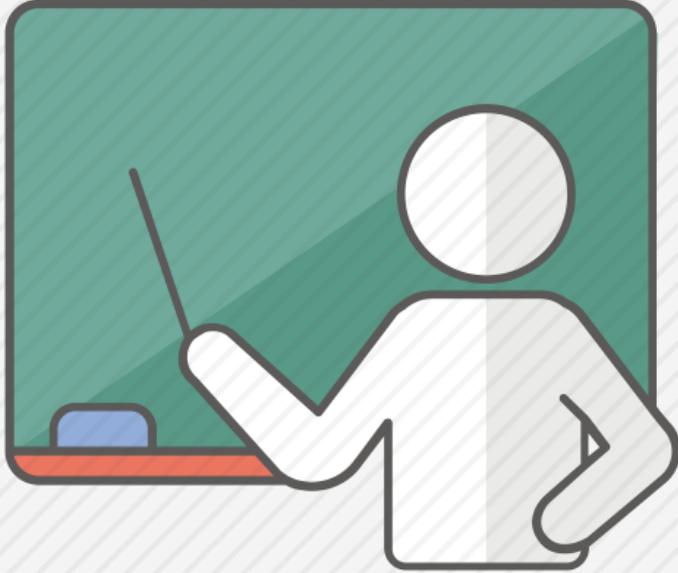
Course Completion and Certification – 60 minutes

## Eligibility Criteria

The program is open all students across all science and arts streams.

Students from higher-education are invited to participate in this IBM SkillsBuild program brought to them in partnership with West Bengal Higher Education Department.

# Instructions for Students



- Students must participate in all mentor-led sessions
- Students should mark their attendance without fail in each session
- Students should pursue self-paced learning through given Learning Plans and complete courses on IBM SkillsBuild as per the process shared within the timeline
- If any of the above criteria is not met, student will not be eligible for certification

# Course Catalog Snapshot

- Job role-based learning for learners
- More than 85,000+ self-paced courses
- Badges and certifications for learners which are globally recognized

## Technology skills

- Agile Methodology
-  Agile Explorer - Powered by Agile at IBM - Earn a badge!
- Agile and Design Thinking
- Artificial Intelligence
- Blockchain
- Cloud Computing
- Cybersecurity
- Data and Analytics
- Design Thinking
- Digital Marketing
-  Explore Emerging Tech - Earn a badge!
- How It Works: Emerging Technology
- IBM Watson
- Innovative Ways of Working
- Internet of Things (IoT)
- Open Source Software (Technical Overviews from Red Hat)
- Quantum Computing

## Professional skills

- Career Planning
- Career Exploration Ideas
- Collaboration
- Communication Skills
- Critical Thinking
- Decision Making
- Digital Literacy
- Diversity and Inclusion
- Entrepreneurial Mindset
-  Explorations into Mindfulness
- Interpersonal Skills
- Leadership
- Mindfulness
- Problem Solving
- Professionalism at Work
- Project management
- Resilience
- Virtual Teaming
-  Working in a Digital World: Professional Skills - Earn a badge!

## Job readiness skills

- Develop a LinkedIn Profile
- Write a Good Resume
- Build Interview Skills
-  Job Application Essentials - Earn a badge!
- Succeed at Work
- Search for Work in Difficult Times
- Work from Home
- SkillsBuild Presents: Job Exploration Webinars

**Learners will be supported / guided with virtual instructor led sessions to build familiarity with platform and courses**

# Program Resources for Students

## 1.1 Orientation

- + What happens in the orientation?
- + Is it mandatory to attend the orientation session?
- + Do I need to be of technical background to part of this program?
- + Do I need to be of technical background to part of this program?

Support Videos

Guided Projects

Student FAQs

Custom Learning Plans

## 1.2 Registration

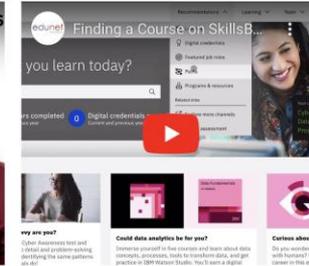
- + How do I sign up for IBM Skills Build for Adult learners (Job seekers/Faculty Members/Teachers)?
- + Must I require Gmail account to sign up on IBM Skills build?
- + Is my data secure on the IBM Skills build page?
- + What should be the configurations to access the content?



How to register on SkillsBuild



Welcome to SkillsBuild



How to find a course



### About the Project

NS2 stands for Network Simulator Version 2. It is an open-source event-driven simulator designed specifically for research in computer communication networks. This course will give you the necessary skills to perform Network and Security related hands-on.

### Learning Outcomes

- Install NS2 (Network Simulator) and NAM (Network Animator) in Ubuntu Operating System
- Create a Network topology and generate TCP and UDP Traffic
- Perform Denial of Service (DOS) attack on Network



## IBM SkillsBuild



Learning Plan

Edunet - Cyber Security

🕒 Days 🏠 69 ⭐⭐⭐⭐ 7



THANK YOU