

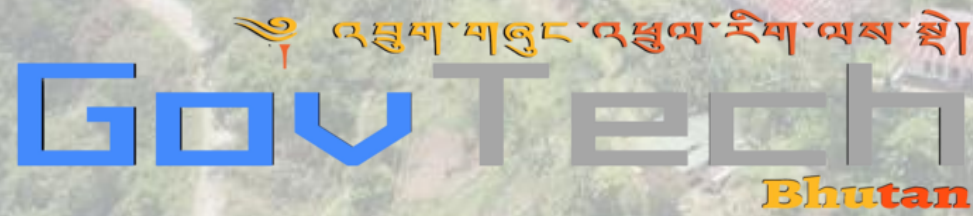
Enhancing Digital Literacy and Cybersecurity Awareness in Eastern Bhutan



Research to Community Impact

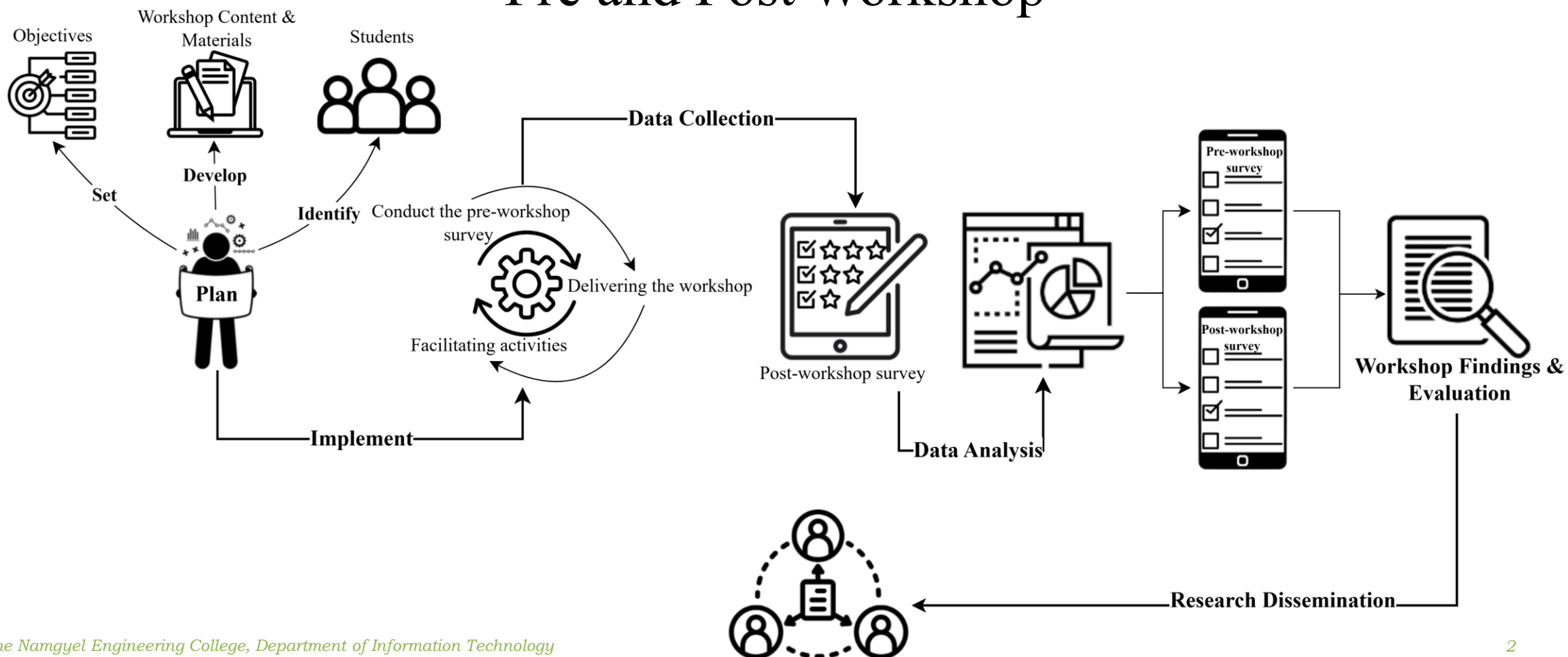


#ISIFAsia2024
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@apnic-foundation

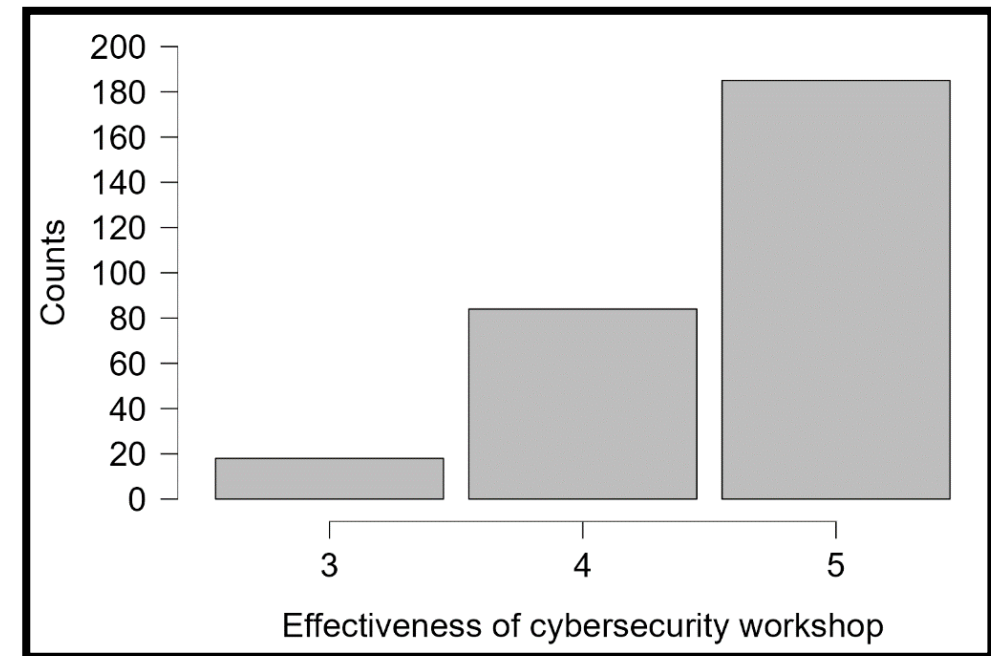
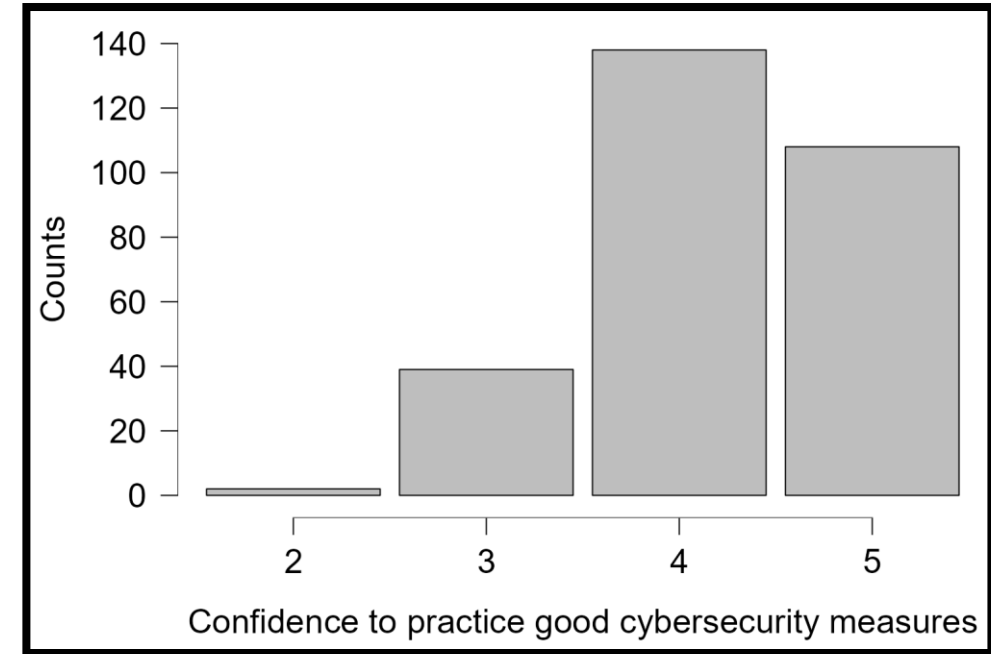
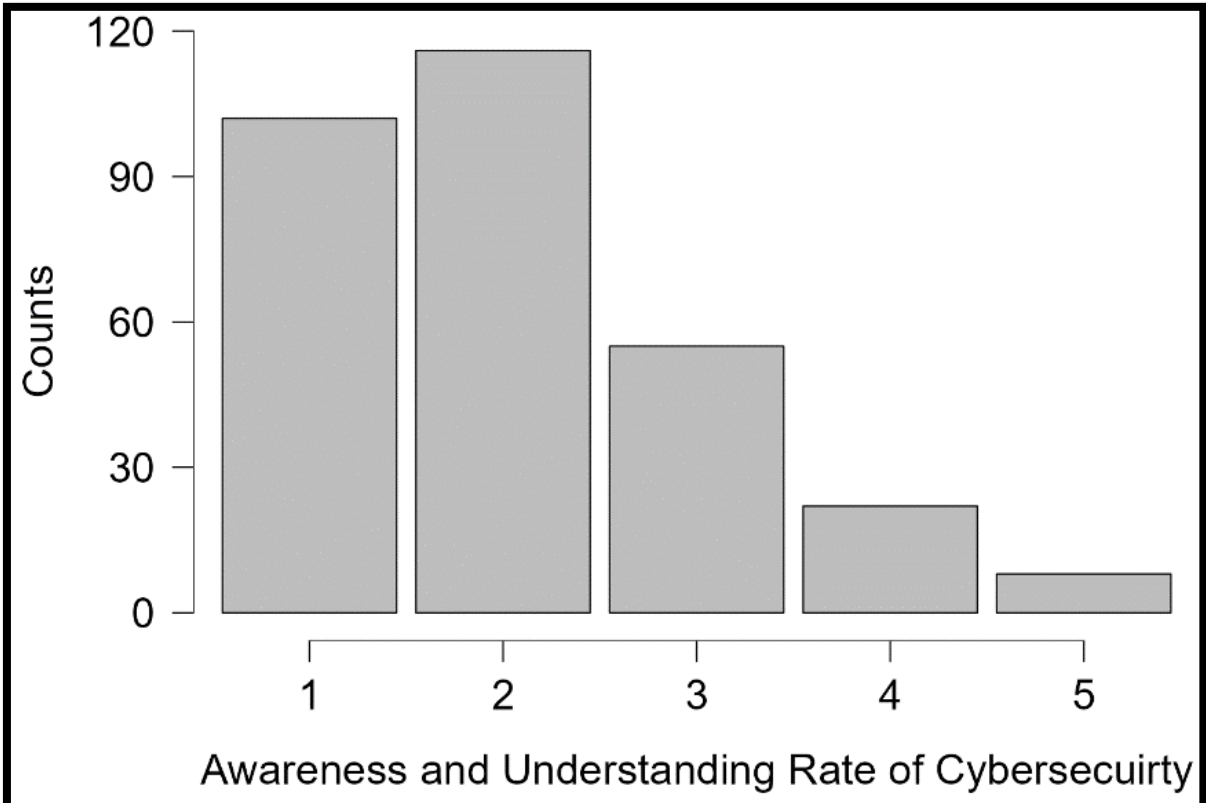


Action Research Title

“Enhancing Understanding and Awareness of Cybersecurity Among First-Year Students of **Technical Colleges in Bhutan**: A Case Study of Pre and Post Workshop”



RESULT



Enhancing Digital Literacy and Security Awareness in Eastern Bhutan

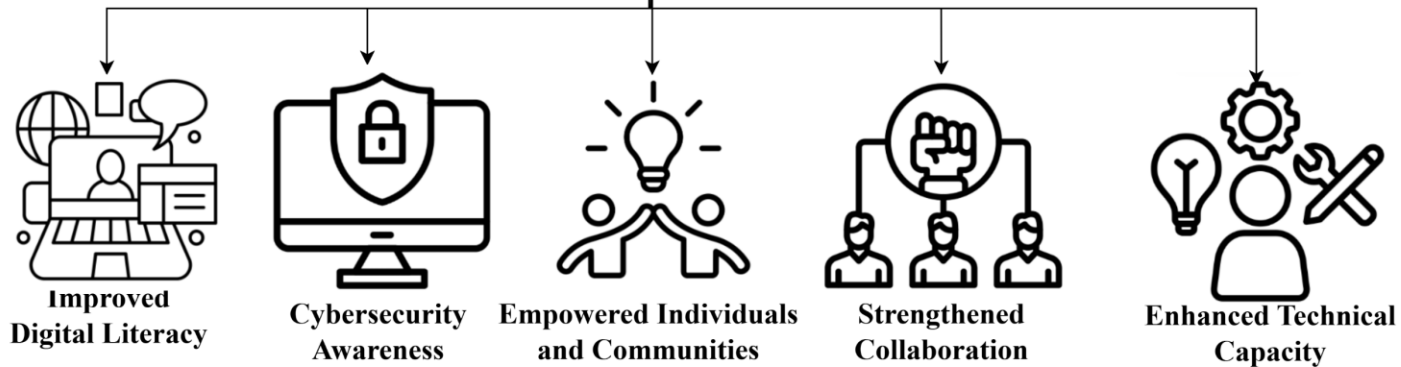
Funded by



Collaboration



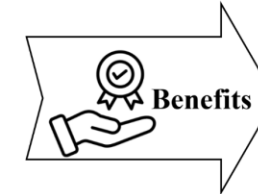
Project Goals



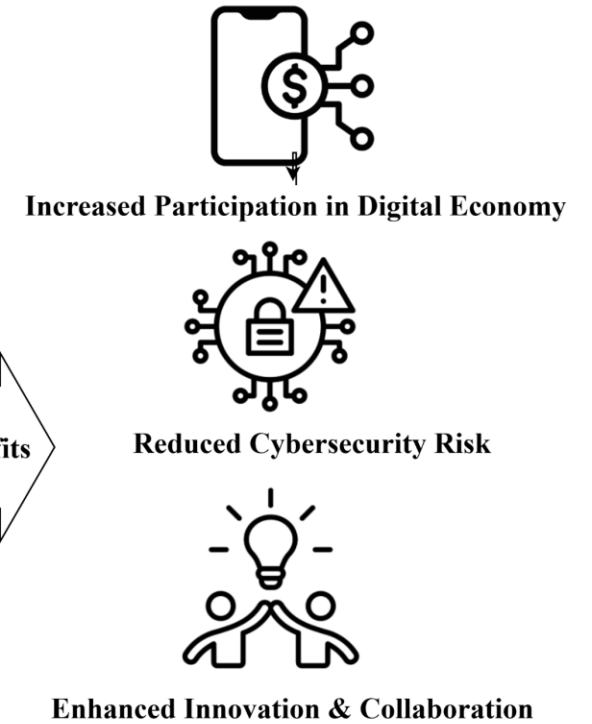
Focus Area

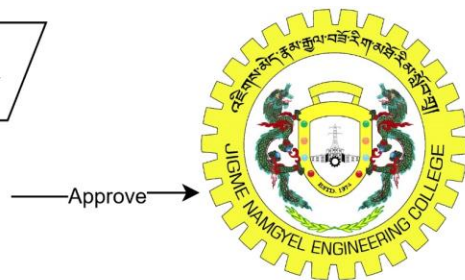


Knowledge



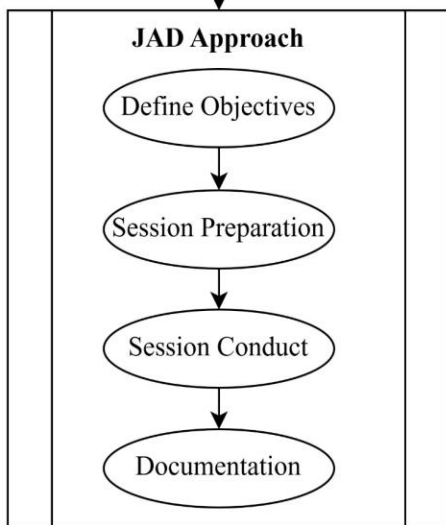
Benefits





Approve

Activity 1: Curriculum Development



Activity 2: Technical Training Sessions

Main Activities

Activity 3: Digital Literacy Workshops

Activity 4: Awareness Campaigns

Activity 5: Knowledge Sharing Workshops

Documentation,
Report
and
Research Publication

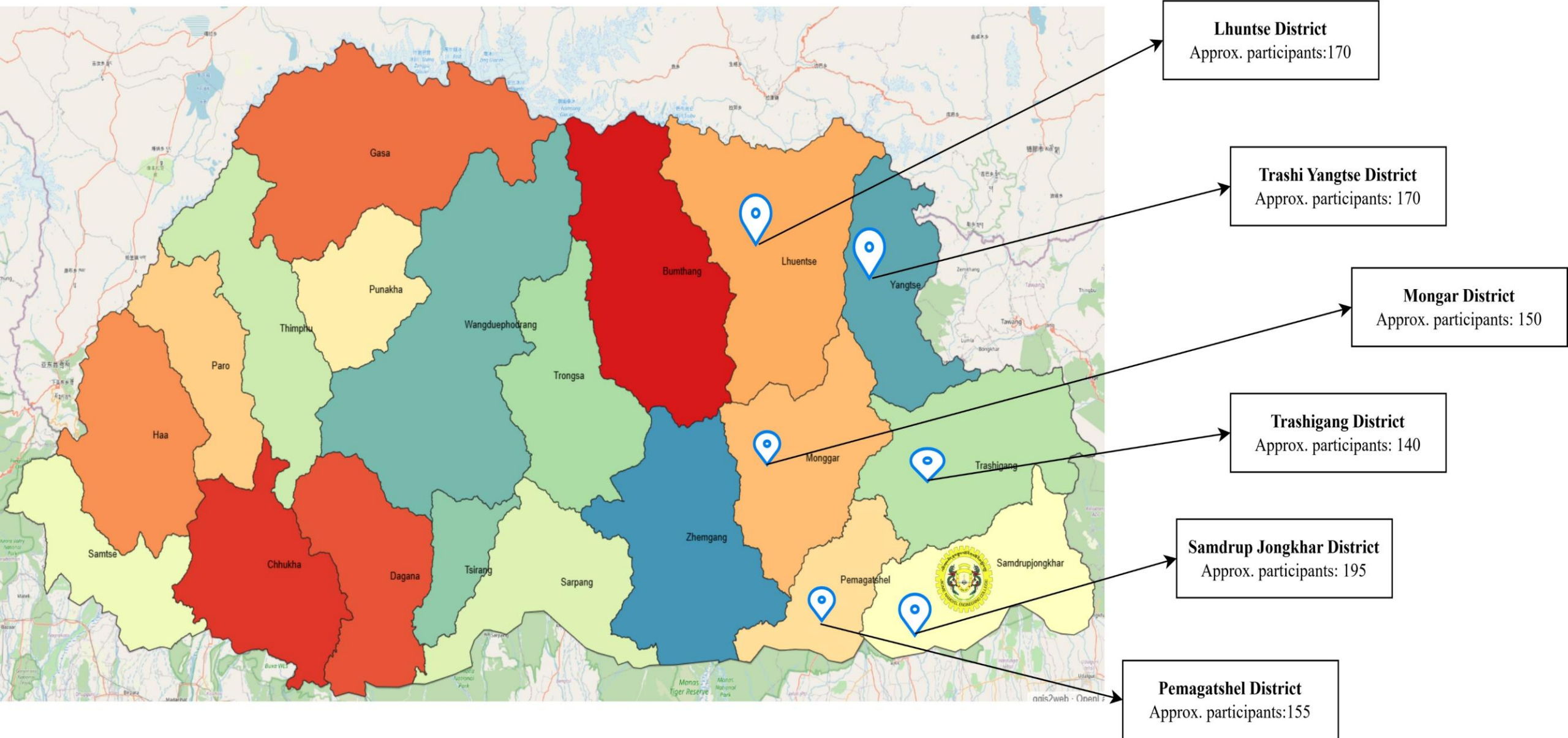


WHAT WE TEACH – TECHNICAL CONTENT

Safe Mobile Use	<ul style="list-style-type: none"> • App permissions • Identifying fake apps • Device locking
Phishing Awareness	<ul style="list-style-type: none"> • Real vs fake messages
Password Management	<ul style="list-style-type: none"> • Strong vs weak passwords • Live password creation
Social Media Safety	<ul style="list-style-type: none"> • Private vs public sharing • Avoiding personal data exposure
Two-Factor Authentication (2FA)	<ul style="list-style-type: none"> • Why 2FA matters • Enabling on key platforms
Cyberbullying & Reporting	<ul style="list-style-type: none"> • Definition and examples • How and where to report
Network Hygiene	<ul style="list-style-type: none"> • Avoiding open Wi-Fi • Securing hotspots

Google Drive Safety	<ul style="list-style-type: none"> • Share files securely • Use shared folders with permissions
Google Meet	<ul style="list-style-type: none"> • Host secure meetings • Control participants
Google Calendar	<ul style="list-style-type: none"> • Event creation and access management
Google Docs/Slides	<ul style="list-style-type: none"> • Collaboration features • Version tracking and comments
IPv6 Addressing	<ul style="list-style-type: none"> • Address format explanation • Real-world use case demos
Subnetting in IPv6	<ul style="list-style-type: none"> • Division and structure hands-on • Practical scenarios
Hands-on IPv6 Configuration	<ul style="list-style-type: none"> • Set IPv6 address manually • Validate using tools

Workshops and Training Target Areas



Training and Awareness Program – Participants Location

District	Location
Samdrup Jongkhar	Orong Central School
	Choki Gyatsho Institute
	Wangphu Gewog
Pemagatshel	Nangkor Central School
	Thonphu Goenpa
	Dechheling Gewog
Mongar	Mongar HSS
	Yakpogang Anim Dingrim Shedra
	Ngatshang Gewog

Trashigang	Jampeling HSS
	Kanglung Thorim Wongma Shedra
	Sakteng Gewog
Trashiyangtse	Bayling HSS
	Trashy Yangtse Dratsang
	Bumdeyling Gewog
Lhuntse	Lhuentse HSS
	Lhuentse Dratsang
	Gangzur Gewog

FIELD IMPLEMENTATION – HOW WE REACHED THEM

"Reaching the Community: Implementation on the Ground"

Geographic Coverage	<ul style="list-style-type: none">• Six eastern dzongkhags
Community-Based Delivery	<ul style="list-style-type: none">• Conducted sessions in schools, monasteries, gewog centers
Simplified Learning Materials	<ul style="list-style-type: none">• Translated content to Dzongkha and Local Language• Used infographics
Multimedia Teaching Aids	<ul style="list-style-type: none">• Used short videos, live demos, and printed posters
Local Champion Engagement	<ul style="list-style-type: none">• Identified active participants for follow-up• Built sustainability



འདུག་ལྷ་བུ་ལོ་ཤིང་མོ་སྤྱི་ལོ།
WOOD FEMALE SNAKE YEAR



2025

JANUARY

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MARCH

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CYBER SECURITY AND DIGITAL LITERACY



Keep Your Personal Details Private

Never post or share your personal informations online.

Personal information includes your:

Full name	Phone number
Bank Details	Address
CID No.	



Practice Password Safety

Never share your password with anyone else.

Your password should be:

Easy to remember, but hard for others to guess	Different for every account
Changed regularly	12 + characters (a mix of letters, numbers, and special characters)



"A strong password can look like dOnTp0\$t3v3ryTh!NG"

Beware of Identity Theft

Criminals online may try to get your information so they can pretend to be you. This is your identity theft.

To stop this, remember to:

Never share personal information with strangers
Communicate only with people you trust
Private info isn't public - keep it that way



"Strangers might also create a fake account or pretend to be you. Remember to only accept friend or follow request from people you know".

S
Stay Safe
Don't give out your personal information to people/ places you don't know.

M
Don't Meet Up
Meeting someone you met online in person can be dangerous.

A
File Accepting
Accepting messages from people you don't know can cause problems.

R
Sources Reliable?
Check information before you believe it. Is the person or web-site telling the truth?

T
Always Tell
Tell an adult if someone or something makes you feel uncomfortable.

If a stranger has contacted you inappropriately, inform a trusted adult (such as parents or a teacher). If you feel as though you're in danger and need help, call the police on 113 or contact BiCIRT on + 975 02 322360



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DON'T GET HOOKED

Beware of Phishing
DON'T TAKE THE BAIT!



Remember:

- Be cautious of fake scenarios
- Always verify the senders
- Avoid suspicious email links and attachments
- Don't fall for urgency or the offers

If a stranger has contacted you inappropriately, inform a trusted adult (such as parents or a teacher). If you feel as though you're in danger and need help, call the police on **113** or contact BtCIRT on **+ 975 02 322360**

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WATCH OUT FOR VISHING

YOUR DATA IS WORTH **GOLD** TO CRIMINALS



Remember:

- If in doubt, end the call
- Be wary of probing questions
- Try not to share phone numbers, email ID and personal details.
- Never disclose your password or authentication codes to others

If a stranger has contacted you inappropriately, inform a trusted adult (such as parents or a teacher). If you feel as though you're in danger and need help, call the police on **113** or contact BtCIRT on **+ 975 02 322360**

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CYBER SECURITY AND DIGITAL LITERACY



Security starts with you.



Be cautious of urgent calls and text messages



Phishing is real. Stay alert



Think before you click and verify the sender before opening the email



Be aware of strangers online



Choose strong password and change on a regular interval



Protect your devices with Antivirus



Check your privacy settings



Keep your information private



Check website URL



Go for the licensed software and avoid using pirated ones



Keep kids safe online - Talk openly. Set rules. Use filters. Stay aware



Be careful about what you post online



Shop safely using trusted shopping platforms



Remember to log off

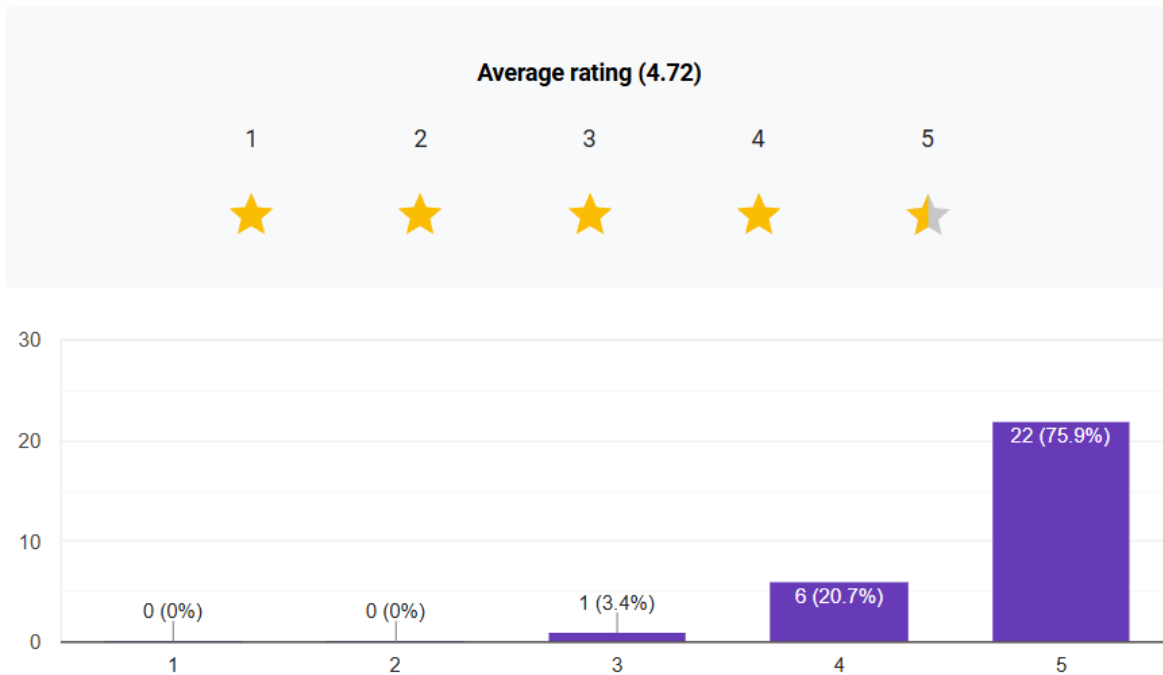


Respect yourself and others online

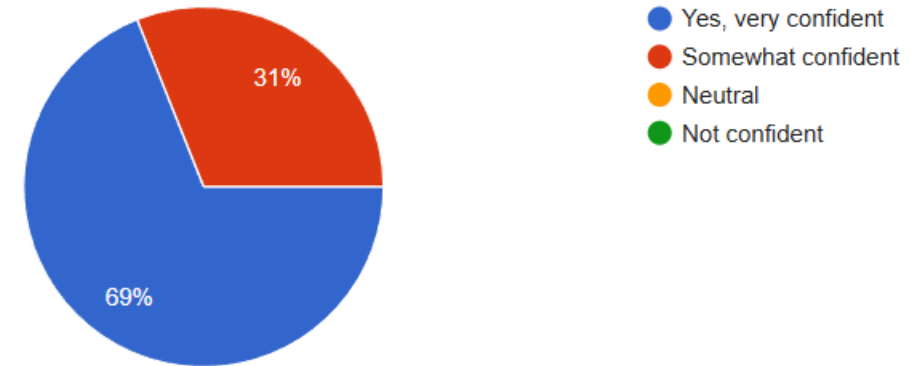
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ToT Impact

1. How would you rate the overall quality of the Training of Trainers (ToT) program?



4. Do you feel more confident delivering similar training to students and the public after attending this workshop?



7. Will you apply the practices and skills learned from this workshop in your daily work or community outreach?



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