REPORT ON AWARENESS PROGRAMME

"CYBER SAFETY"

ORGANIZED BY DEPARTMENT OF COMPUTER SCIENCE

LADY KEANE COLLEGE

SHILLONG

Table of Contents

INTRODUCTION

World Computer Literacy Day is observed every year on December 2nd to create awareness and drive digital literacy. The day promotes technological skills, especially in children and women. The day was originally founded by the Indian computer company NIIT (National Institute of Information Technology). It was first observed in the year 2001 on December 2nd. The World Computer Literacy Day aims to inspire to learn more and make work/task easier by the use of computers. This year mark its 20th anniversary.

The internet has revolutionized life in many ways. It has reduced the time needed to get information. It has made education available at anytime and anywhere. It has provided a means for people to communicate with other countries easily. However, it has also increased the amount of misinformation and hoaxes, which are used to spread malicious content. Cyber safety helps to avoid those risks but also helps to protect against their consequences, because it is impossible to avoid all hazards. Even when someone complies with all customary security requirements, they could still become the target of an attack.

Target Audience: BCA Students, Department of Computer Science, Lady Keane College

No. of Participants : 61

AIMS AND OBJECTIVES

- To give an awareness about Cyber Safety especially for women

- Educating on how to be safe online especially on social media

- Cyber Security Measures

PROGRAMME

Hosted by. Dr (Ms) Juniorika Lyngdoh

- ➢ Welcome Address by Principal In-Charge
- ➢ Session by Mr. Arjun Chetry, Assistant Director (IT), North Eastern Police Academy, MHA, Govt. of India
- ➢ Vote of thanks by Mrs. L. Sahkhar, HOD, Department of Computer Science
- ➢ Refreshment

PROFILE OF RESOURCE PERSON

Arjun Chetry

Assistant Director (IT), North Eastern Police Academy, Ministry of Home Affairs, Govt. of India

A. Educational Qualification:

- o Research Scholar on Digital Forensics, from Assam Don Bosco University (Enrolled for Ph.D. on March 2018.) Guwahati, Assam.
- o Master of Computer Application (M.C.A) in 2010 and Bachelor of Science (Physics) in 2006 from St. Anthony's College, North Eastern Hill University, Shillong, Meghalaya

B. International Certification/Courses:

I. Global Certification on Mobile Forensics – "MSAB XRY Certification", "MSAB XRY Intermediate" and "MSAB XRY Advanced Acquisition" during November 2021 at New Delhi from MSAB.

II. Completed "Overseas Training Attachment" (2019) held in Singapore organized by Singapore Police Co-operative Society Ltd. and Singapore Police Force

III. Completed certification for Mobile Forensics on "Cellebrite Certified Operator (CCO)" and "Cellebrite Certified Physical Analyser(CCPA)" on Cellebrite UFED Software during 2019

IV. Completed course on "Dark Web Investigation course" through Antiterrorism Assistance Program, Diplomatic Security Service in appreciation for cooperation in the fight against International Terrorism, US, during 2019

V. Completed "Malware Analysis using Memory forensics" course at Data Security Council of India, Bangalore, Karnataka, India during 2018.

VI. Global Certification on "Computer Hacking Forensics Investigator", Certification No: ECC24075354721 from EC-Council, US 8th October 2016

VII. Completed "ATA-11298 Introduction to Digital Forensics and Investigation Course" w.e.f. 18th July to 29th July 2016 and "ATA-11297 Identification and Seizure of Digital Evidence Course" w.e.f. 7th July to 15th July 2016, sponsored by sponsored by the office of Antiterrorism Assistance Bureau of Diplomatic Security, U.S., Department of State.

VIII. Global Certification on "Red Hat Certified System Administrator", Certification No: 130-172-927 and "Red Hat Certified Engineer", Certificate No: 130-172-927, during 2013.

IX. Global Certification on "Cisco Certified Network Associate", Certification No: CSCO12430390 from Cisco Academy during 2013.

X. Completed "Mobile Phone Investigation/Forensics & CDR Analysis" Course at Central Bureau of Investigation Academy, Govt. of India, Ghaziabad, UP, India.

XI. Completed "Cybercrime & Cyber Forensics Course" at Indian Computer Emergency Response Team (Cert-In), Meity, GoI, New Delhi, India.

C. Delivered session as Resource Person:

i. For Law Enforcement Officers, Prosecutors and Judicial Officers of the country & neighbouring country (namely, Myanmar, Bangladesh, Nepal) organized by NEPA on regular basis.

ii. For Police officers, Prosecutors and Judicial officers of the country at National Law Institute, India.

iii. For "Standardization of Training Modules on cyber domain" for police officers, prosecutors & judicial officers organized by Ministry of Home Affairs at New Delhi.

iv. For forest officers at various Central Academy of Forest Education, Govt. of India.

v. For Judicial Officer, from various State Judicial Academy.

vi. For Air force officers at various location of Indian Air Force, Govt. of India.

vii. For Faculty Development Program at various Universities in India.

viii. For public viewing at Security Vue event, at "The Hackers Meetup" India for Facebook live event.

ix. For students at various colleges or universities in India.

D. Research related work:

o Published a paper on "Mobile Forensics and Its Challenges" published at India's First Digital Forensics (4n6) Publication, during 2020. Access link is: https://doi.org/10.46293/4n6/2020.02.03.07

o Published a Paper title "Dark web activity on tor—investigation challenges and retrieval of memory artefacts" presented in international conference on innovative computing and communication (icicc-2020).

o Published a Paper title "Memory Forensics Analysis for Investigation of Online Crime - A Review" presented at INDIACom – 2019.

o Published a Paper title "USB Device Forensics: Insertion and Removal Timestamps of USB Devices in Windows 8" in International Symposium on Advanced Computing and Communication (ISACC2015) at Department of Computer Science & Engineering, Triguna Sen School of Technology Assam University, Silchar, Assam, India.

o Published a paper title "SMAC: Revolutionary Technology & Security: RIP?" at International conference on Advanced computer science & information Technology (ICACSIT) held at Goa.

o Published a paper title: "Cyber space & its theories" in the National Seminar on Emerging Trends in Advanced Networking & Cloud Computing at Dept. of Computer Science, Shillong College, Shillong.

E. Previous Work Experience – Got an opportunity of being part of the following organization:

a. National Institute of Technology, Silchar, Assam (www.nits.ac.in)

b. Royal Thimphu College, Thimphu, Bhutan (www.rtc.bt)

c. St. Edmunds College, Shillong Meghalaya (www.sec.edu.in)

d. National Informatics Centre, Shillong Meghalaya

SESSION

The session on "Cyber Safety" was taken over by Sir Arjun Chetry who brilliantly discussed the following areas: -

a) Introduction to Cyber Safety
- i) Danger of cyber safety.
- ii) Why it cannot be avoided.
- iii) Transition of hacking from simple to complex hacking, globally, from a small team to organized team.
- iv) Innocence, where an individual believes everything on the internet
- v) Awareness matters
- vi) Greediness

b) Definition of Cyber Crime

c) Online Victimization and changing landscape of violence against women and girls in India
- i) Smartphones are used on a larger scale by women
- ii) 60 million women use smartphones in India.
- iii) 73% face online violence
- iv) Social media giving the platform for violence

d) Prominent cyber-crimes against women
- i) Cyber safety and cyber bullying
- ii) On line fraudsters
- iii) Prevention is the solution
- iv) Cyber bullying
- v) Cyber Grooming

e) Meghalaya Cases
- i) Cyber fraud cases
- ii) Mainly through facebook

f) Cyber bullying cases examples

g) Impact of cyber bullying
- i) Emotional and physical aspect

h) Platforms
- i) Social media
- ii) Email based
- iii) Anonymous network

i) Spy camera and Power bank demonstration

j) Demonstration of invalid phone numbers

k) SMS from around the world
- i) Using sms24.me
- ii) OTP(One Time Password) can be received against a number

l) Demonstration of sending a fake email from an original email ID
- i) https://emkei.cz/ Demonstration of the original email

m) Mind games for online crime
- i) Online Profiling and Digital Profiling

n) Unicode (leads to confusion of characters)
o) Disposable Email- self destructible
  i) https://temp-mail.org/en/
  ii) https://yopmail.com/en/
p) Darkweb
  i) Surface web
  ii) Deep web
  iii) Dark Web and Tor Network
  iv) Deepfake Technology- videos manipulation
  v) Deepfakes for Porn- new form of violence against women
q) Cyber safety on social media
r) Safety links for twitter and facebook
s) Privacy tools
  i) Check self-safety - https://www.etools.ch/, https://haveibeenpwned.com/
t) Cyber Security Measures
u) Resources for learning
  i) https://osintframework.com/
  ii) https://awesomeopensource.com/
v) Spyapps for Android
w) Mobile phone Precautions

FEEDBACK FORM
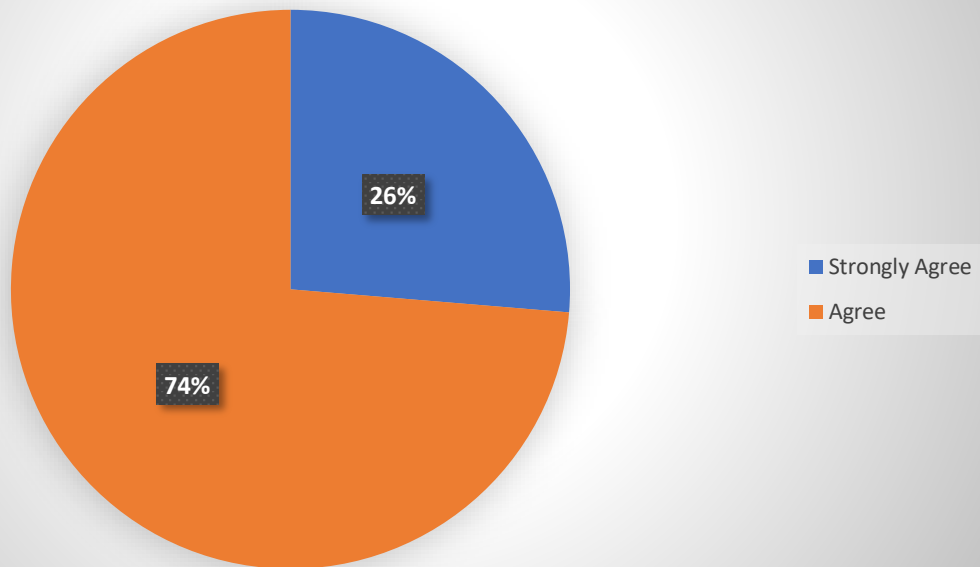
1. The awareness programme met my expectations
   a. Strongly Agree
   b. Agree
   c. Disagree
   d. Strongly Disagree
2. The programme's content was relevant
   a. Strongly Agree
   b. Agree
   c. Disagree
   d. Strongly Disagree
3. The awareness content was easy to understand
   a. Strongly Agree
   b. Agree
   c. Disagree
   d. Strongly Disagree
4. The resource person was clear and informative
   a. Strongly Agree
   b. Agree
   c. Disagree
   d. Strongly Disagree
5. The resource person was well-prepared
   a. Strongly Agree
   b. Agree
   c. Disagree
   d. Strongly Disagree
6. Through this programme, I have learned many things about what's going on in the cyber world and how to be safe online.
   a. Strongly Agree
   b. Agree
   c. Disagree
   d. Strongly Disagree
7. Have you come across any situations discussed by the resource person mentioned in his presentation?
   a. Yes
   b. No
8. Do you still need more awareness on Cyber Safety?
   a. Strongly Agree
   b. Agree
   c. Disagree
   d. Strongly Disagree
9. Please rate the programme you attended in terms of usefulness and effectiveness?
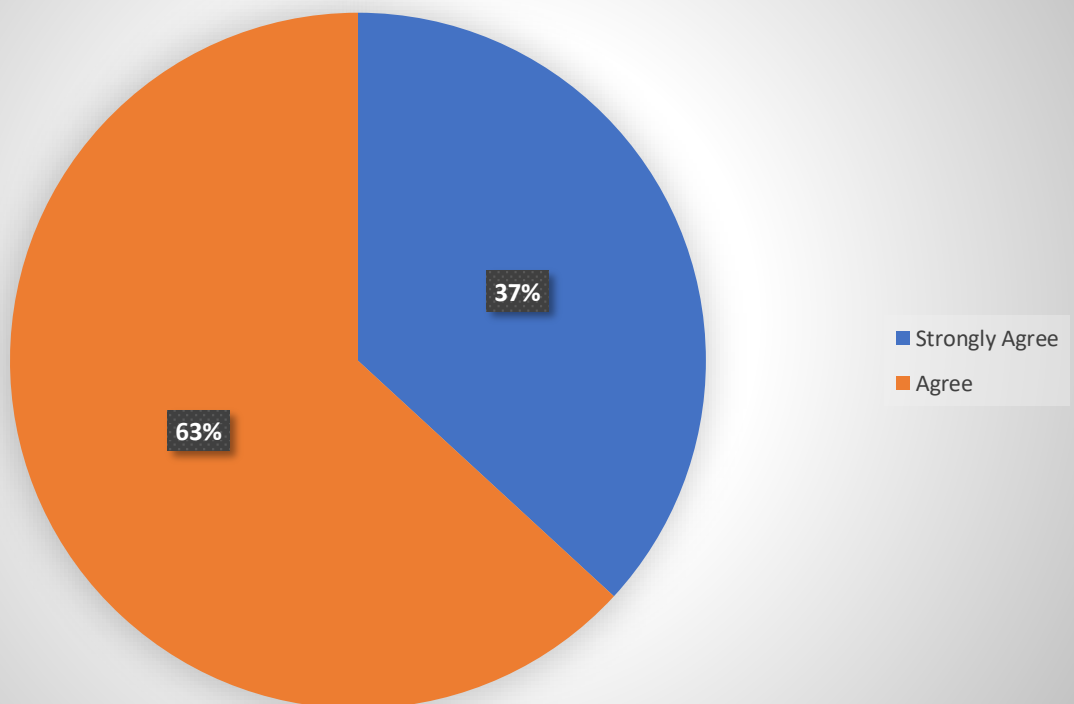   a. Excellent

b. Good
c. Average
d. Poor
e. Unsatisfactory

10. Any comments or suggestions:

The awareness programme met my expectations
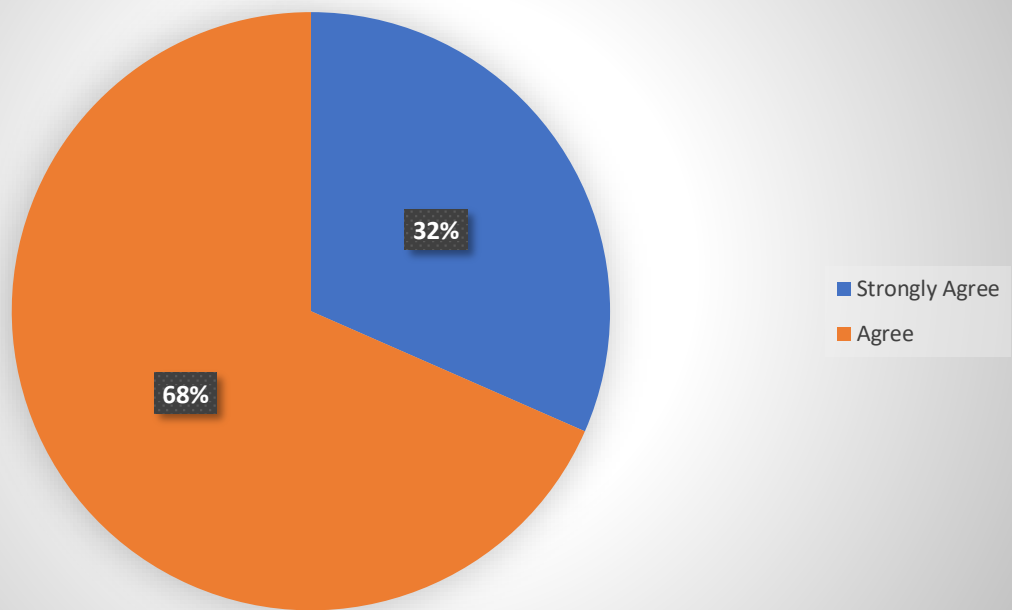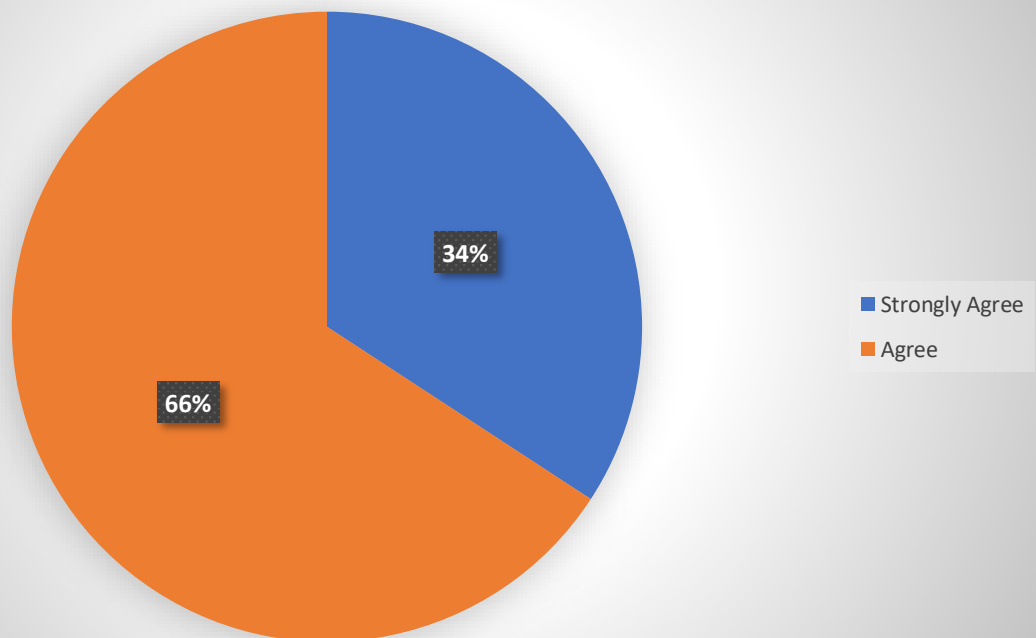

- Strongly Agree
- Agree

26%

74%

The programme's content was relevant

- Strongly Agree
- Agree

37%

63%

The awareness content was easy to understand

- Strongly Agree: 32%
- Agree: 68%

The resource person was clear and informative

- Strongly Agree: 34%
- Agree: 66%

The resource person was well-prepared

Legend:
- Strongly Agree — 45%
- Agree — 55%
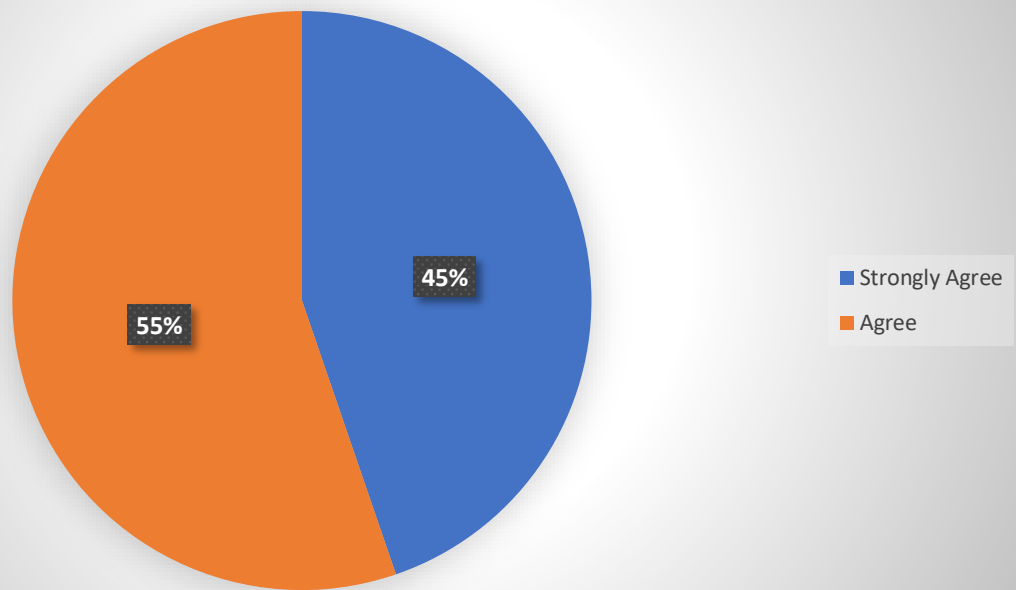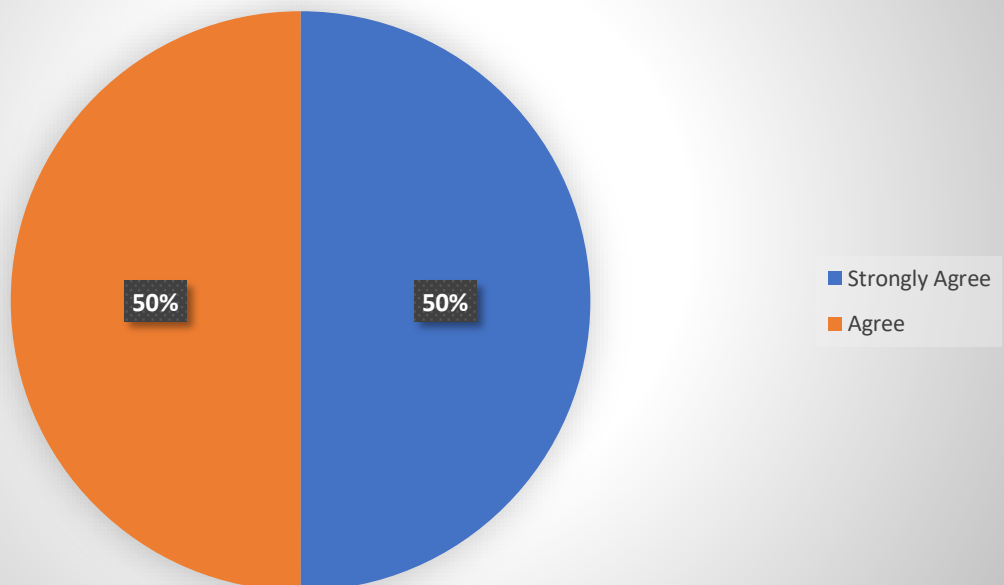
Through this programme, I have learned many things about what is going on in the cyber world and how to be safe online
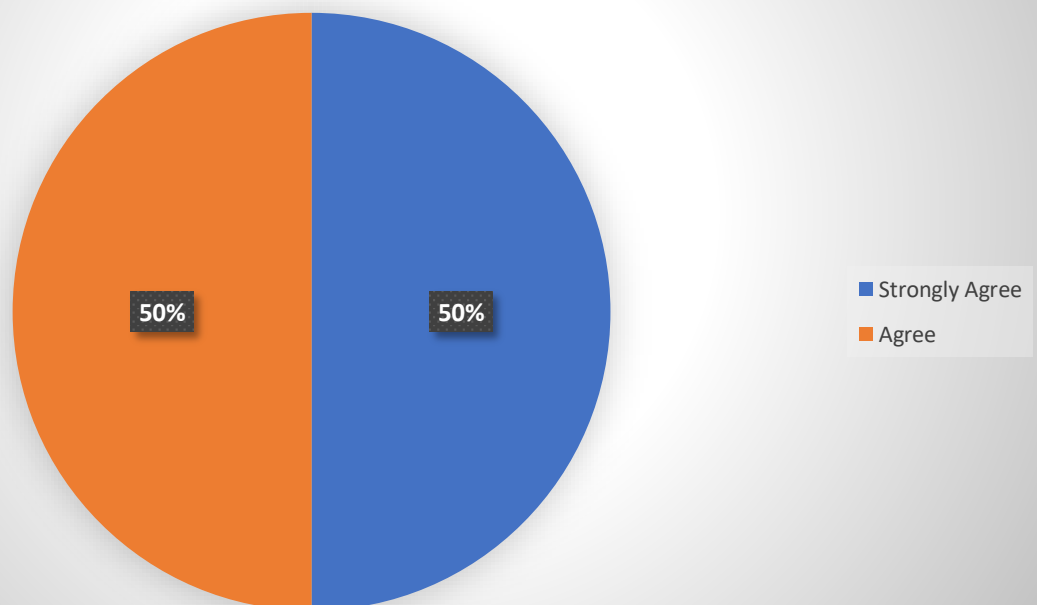
Legend:
- Strongly Agree — 50%
- Agree — 50%

Have you come across any situations discussed by the resource person mentioned in his presentation?

37%

63%

Yes
No

Do you still need more awareness on Cyber Safety?

50%

50%

Strongly Agree
Agree
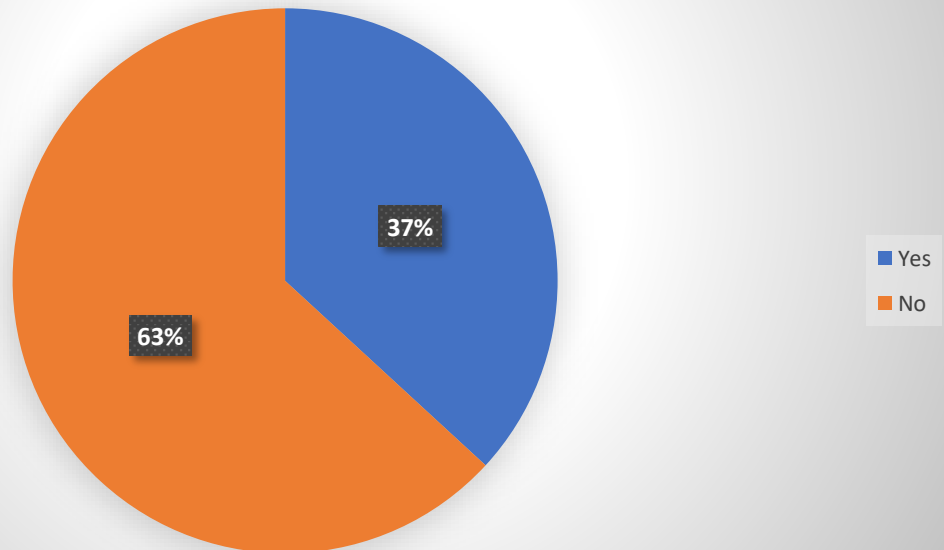
Please rate the awareness programme you attended in terms of usefulness and effectiveness?

- Good
- Excellent

21%

79%
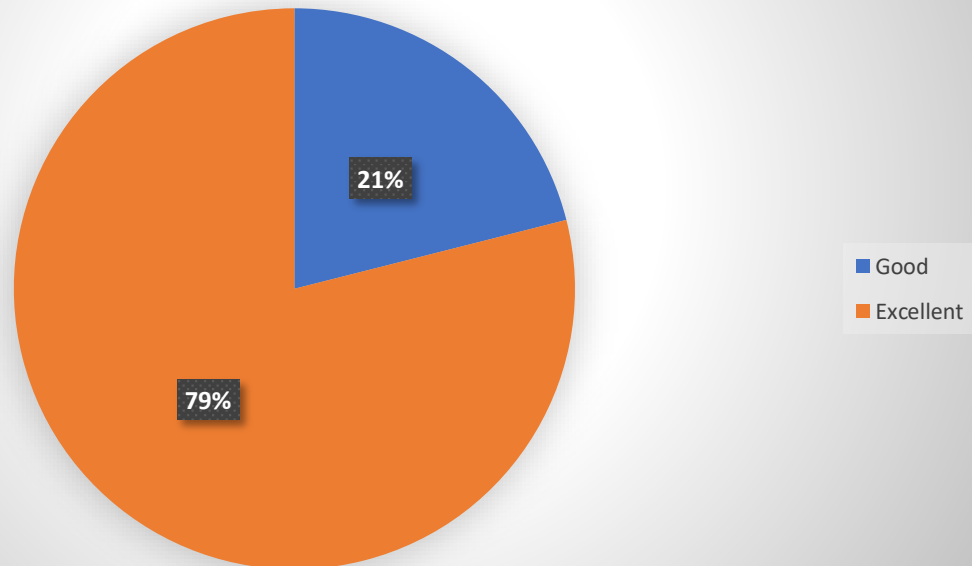
Any comments or suggestions:

- It was a very good awareness program.
- Need more information on Cyber safety.
- It was a good experience.
- We want more programmes like this.
- It was a very helpful and informative programme.
- The program is helpful and informative.
- The program was helpful and informative as well as it was very fun.
- We want some more programmes.
- Keep it up!!! and do organise more and more program like this so that it will help for us as a student to gain more knowledge in our day-to-day life.
- We learn something good.
- The awareness programme was really good and understandable.
- No, it was clear thank you so much everyone.
- To give more awareness on this topic to be safe online.
- Great and very useful programme to know about the basic concepts on cyber safety on our daily basis.
- The cyber safety awareness program was evidently very helpful and made me aware of various cyber scams. The program made me take extra safety measures. Overall, the program was excellent.

- "Monitor and communicates".
- It was good and I have learned many things about how to be aware of cyber-crime.
- It was such a helpful program.
- Be wary of using social media.
- We have to tell others about cyber safety.
- I need more information on cyber safety.
- Need more information about cyber safety.
- We should keep on telling to our relative, neighbours and friends to be aware of this fraudulent coming through out the internet.
- Need more awareness especially for us the young people, so that we can aware ourselves and to others also.
- From my opinion, it's good to have an awareness like this because it helps to be aware for the cyber safety.
- Excellent.
- It's really good to know about cyber safety.
- Very useful programme.
- In now a day we need to be aware even our mail.
- It was really interesting
- In today's world we need more awareness programme on cyber safety in order to protect our personal information and to be more careful while using the internet.

PHOTOGRAPHS
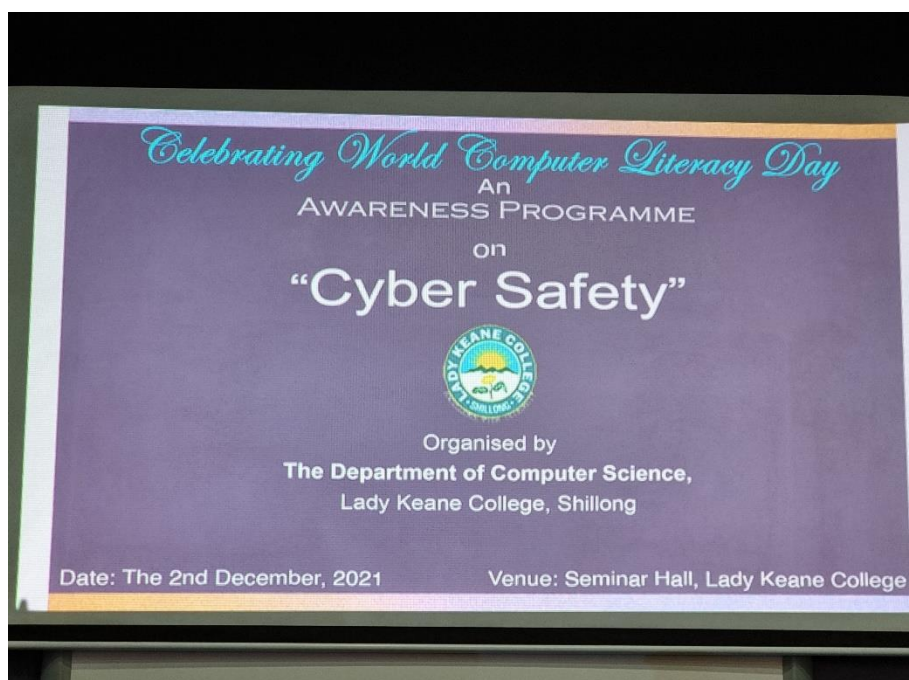
BUDGET

<table>
<tr><td colspan="4">

Awareness Programme
on
"Cyber Safety"
Organized by
Computer Science Department
Lady Keane College, Shillong
Date: 2nd December 2021

</td></tr>
<tr><td colspan="4">**Expenditure Statement**</td></tr>
<tr><td>**Sl No**</td><td>**Particulars**</td><td>**Voucher No.**</td><td>**Amount**</td></tr>
<tr><td>1</td><td>Refreshment</td><td>V1</td><td>160.00</td></tr>
<tr><td>2</td><td>Refreshment</td><td>V2</td><td>8740.00</td></tr>
<tr><td>3</td><td>Renumeration</td><td>V3</td><td>3500.00</td></tr>
<tr><td>4</td><td>Certificate Printing</td><td>V4</td><td>1345.00</td></tr>
<tr><td></td><td colspan="2" align="right">**Total Expenditure**</td><td>13745.00</td></tr>
<tr><td></td><td colspan="2" align="right">**Amount Received**</td><td>25500.00</td></tr>
<tr><td></td><td colspan="2" align="right">**Surplus**</td><td>11755.00</td></tr>
</table>

Ms. Janailin Warjri
Programme Co-ordinator