

A.S.D.GOVERNMENT DEGREE COLLEGE FOR WOMEN (A)

Affiliated to Adikavi Nannaya University

Jagannaickpur, Kakinada.

DEPARTMENT OF COMPUTER SCIENCE



EXTENSION ACTIVITY

AWARENESS ON CYBER SECURITY AND


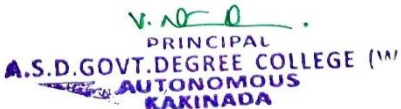
CYBER THREATS

2024-2025

A.S.D. GOVT. DEGREE COLLEGE FOR WOMEN (A)
Jagannaickpur, Kakinada

DEPARTMENT OF COMPUTER SCIENCE

Activity Register 2023-2024

Date	19-10-2024
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.)	Department of Computer Science
Nature of Activity (Seminar/Workshop/Extn. Lecture etc.,)	Extension Activity
Title of the Activity	Awareness on Cyber Security and Cyber Threats
Name of the Department/Committee	COMPUTER SCIENCE
No. of students participated	100
Brief Report on the activity	To make the girls of teenage aware about security solutions are required to cyber risk.
Name of the Lecturers who Planned & conducted the activity	N. Naga Subrahmanyeswari K.Surya Lakshmi P.Ballamamba A. Jaya Lakshmi V. Rama Tulasi
Signature of the Dept. In-Charge / Convener of the Committee	
Signature of the Principal	
Remarks	

PERMISSION LETTER

18/10/24
From
N. Naga Subrahmanyeswari,
Lecturer In-Charge,
Department of Computer Science/Computer Applications,
A.S.D. Govt Degree College for Women (A),
Kakinada.

To
The Principal
A.S.D. Govt Degree College (W) (A),
Kakinada.

Respected Madam,

**Sub : A.S.D. G.D.C.W(A) - Department of Computer Science – Request to visit
St. Ann's Girls High School for conducting an Awareness programme on
Cyber Security and Cyber threats -Reg.**

I submit that the Department of Computer Science has decided to organize an Extension Activity to the students of Grade-VI to X of St. Ann's Girls High School for conducting a programme on creating "Awareness on Cyber Security and Cyber threats". In this regard, I request you to kindly give us permission to visit the school and conduct the activity.

Thanking you, Madam.

Place: Kakinada
Date: 18-10-2024

Yours faithfully,

N.N.S. Eswari
(N.Naga Subrahmanyeswari) 18/10/24



A.S.D. Government Degree College for Women

An Autonomous Institution & Affiliated to Adikavi Nannaya University, Rajamahendravaram.
Re-accredited by NAAC with "B" Grade in Cycle III



Jagannaickpur, Kakinada - 533 002, Kakinada District., Andhra Pradesh.

Dr. V. Anantha Lakshmi, M.Sc., M.Phil., Ph.D.,
Principal

Mobile : 99637 86386
email : jkcrjyec.asdkkd@gmail.com

Place:Kakinada,
Date:18-10-2024.

To
The Head Mistress,
St. Ann's Girls High School,
Jagannaickpur, Church Square,
Kakinada.

From
N.Naga Subrahmanyeswari,
HOD-Department of Computer Science,
A.S.D.Govt.Degree College for Women(A),
Kakinada.

Respected Madam/ Sir,

Sub: Permission for conducting an activity on Creating "Awareness on Cyber Security and Cyber threats" to the students of Grade-VI to X reg.

Our Department along with our students has planned to conduct an Extension Activity on Creating "Awareness on Cyber Security and Cyber threats" to the students of grade-VI to X of your school, to make the students self-aware about social bullying and threats they encounter from social media. In this connection, I request you to give permission for us to visit your school at your convenient time and let us interact with the students. Looking forward for your positive response.

Thanking you.

Sr. P. Nirmala
HEADMISTRESS
St. Ann's Aided Girls High School
Jagannaickpur,
KAKINADA-2, E.G.Dist

Yours Sincerely,
N.N.S. Eswari 18/10/2024
IN-CHARGE
DEPT OF COMPUTER SCIENCE
ASDGOVT DEGREE COLLEGE (M) AUTONOMOUS
KAKINADA

Address : Church Square Park, Jagannaickpur, KAKINADA.

Website : www.asdgdwc.ac.in

Date:19-10-2024.

To,
N.Naga Subrahmanyeswari,
HOD-Department of Computer Science/Computer Applications,
A.S.D.Govt.Degree College for Women(A),
Kakinada.

Subject: Certificate of Appreciation for Organizing Extension Activity

Dear Madam,

I am pleased to extend my appreciation to your Faculty members K.Surya Lakshmi, A.Jaya Lakshmi, V.Rama Tulasi and students for their efforts in organizing the Extension Activity on " Awareness on Cyber Security and Cyber threats" at our School.

Their commitment in educating the students on the crucial topic of cyber security, social media awareness and threats have made a significant impact. The initiative you took to enhance the understanding of the potential risks associated with social media is commendable.

On behalf of St. Ann's Girls High School, Kakinada, I would like to express our heartfelt thanks for your valuable contribution. This certificate is a token of our appreciation for your dedication to fostering awareness and knowledge in our academic community.

We look forward to more collaborative efforts in the future.

B. P. Nimmala 19/10/24
HEADMISTRESS
St. Ann's Aided Girls High School
Kakinada
Kakinada,
KAKINADA-2, E.G. Dist

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DEPARTMENT OF COMPUTER SCIENCE

AWARENESS ON CYBER SECURITY AND CYBER THREATS

The following students of III B.Sc. (MPCS & MSCS), II B.Sc. (CS) and II B.Com (CA) had volunteered the activity to provide awareness to the girl students of St. Ann's Girls High School, Kakinada on 19-10-2024.

The following are the details of the students who had participated in the Extension activity on 19-10-2024.

S.No	Regd.No.	Name of the Students	Class	Signature
1	2374015	SYED KARISHMA	II B.Sc.(CS)	
2	2374008	MANE VARSHITA NAGA SAI SRI	II B.Sc.(CS)	Sdr. Karishma
3	2374016	YAMALA SUCHITHA DEVI	II B.Sc.(CS)	M.V. N Sai Sri
4	2232024	DUVVI SAI VENI	III B.Sc.(MPCS)	Y. Suchitha Devi
5	2232048	YAMALA TEJASRI SAI PAVANI	III B.Sc.(MPCS)	D. Sai Veni
6	2232014	VEMPALA MAHESWARI	III B.Sc.(MPCS)	Y.T. Sri pavani
7	2232041	PYLA SRI MAHALAKSHMI	III B.Sc.(MPCS)	V. Maheswari
8	2361061	YELETI KALYANI KUMARI	II B.Com(CA)	P. Sri Mahalakshmi
9	2361019	APPADAPRIYA AMRUTHA SRI VARSHINI	II B.Com(CA)	A. A. S. Varshini

Signatures of the Faculty Members:

N.N.S. Eswari

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DEPARTMENT OF COMPUTER SCIENCE

EXTENSION ACTIVITY

AWARENESS ON CYBER SECURITY AND CYBER THREATS

Aims:

1. **To Foster Responsible Cyber Security:** To ensure secure storage, control access and prevent unauthorized processing, transfer or deletion of data. The most purpose of security is to protect people and their property.
2. **Raise Awareness on Cyber Threats:** Educate students about potential dangers and threats associated with social media, including cyberbullying, identity theft, and online predators.
3. **Equip Students with Digital Literacy Skills:** Provide students with the knowledge and skills necessary to critically evaluate information, verify sources, and navigate the digital landscape safely.

Objectives:

1. **Purpose of Cyber Security:**
 - Identify assets and associated security risks.
 - Understand the purpose and implementing strategies to protect.
2. **Recognize Cyber Threats:**
 - Identify common cyber threats on social media.
 - Understand the consequences of cyberbullying and online harassment.
3. **Develop Critical Thinking Skills:**
 - Learn to evaluate the credibility of online information.
 - Understand the importance of fact-checking.
4. **Promote Responsible Digital Citizenship:**
 - Emphasize the concept of digital footprints.
 - Encourage responsible sharing and posting on social media.
5. **Enhance Online Privacy Awareness:**
 - Learn about privacy settings on various social media platforms.
 - Understand the importance of protecting personal information online.

Procedure:

1. **Introduction (30 minutes):**
 - Brief overview of the importance of social media in today's world.
 - Discuss the positive and negative aspects of social media use.
2. **Cyber Security Platform Exploration (30 minutes):**
 - Divide students into groups to explore different social media platforms.
 - Each group presents the purpose, features, and potential risks associated with their assigned platform.
3. **Cyber Threats Exploration (30 minutes):**

- Conduct interactive sessions on cyber threats such as cyberbullying, phishing, and identity theft.
- Share real-life examples and case studies.
- 4. **Digital Literacy Activities (30 minutes):**
 - Engage students in activities that enhance critical thinking skills.
 - Introduce fact-checking exercises and tools.
- 5. **Responsible Digital Citizenship Discussion (30 minutes):**
 - Facilitate a discussion on the concept of digital citizenship.
 - Encourage students to share their thoughts on responsible online behavior.
- 6. **Q&A and Reflection -Feedback (30 minutes):**
 - Allow students to ask questions and express their thoughts.
 - Facilitate a reflective discussion on what they've learned.

Outcomes:

1. **Increased Awareness:**
 - Students will have a heightened awareness of the positive and negative aspects of Cyber Security and cyber Threats.
2. **Improved Digital Literacy:**
 - Students will develop critical thinking skills and the ability to evaluate online information.
3. **Enhanced Cyber Threat Awareness:**
 - Students will recognize and understand common cyber threats associated with social media.
4. **Responsible Digital Citizenship:**
 - Students will grasp the importance of responsible and ethical online behaviour.
5. **Better Privacy Management:**
 - Students will be equipped with the knowledge to manage their online privacy effectively.

The extension activity aims to empower students to navigate the digital world responsibly and safely, protecting critical infrastructure, fostering a secure culture and enhancing security awareness.

Report on the Extension Activity

Awareness on Cyber Security and Cyber Threats

The faculty of the Department of Computer Science and Computer Applications along with 9 students volunteers went to St. Ann's Girls High School, Kakinada on 19-10-2024 at 2.30 PM. They interacted with the girls students of Grade VIII & IX and created Awareness on Cyber Security and Cyber Threats posed by it, if not used safely.

The views expressed by our students is as follows:

Cybersecurity is the practice of defending computers, servers, mobile devices, electronic systems, networks, and data from malicious attacks. It's also known as information technology security or electronic information security. The term "cybersecurity" applies in a variety of contexts, from business to mobile computing, and can be divided into a few common categories.

Network security is the practice of securing a computer network from intruders, whether targeted attackers or opportunistic malware.

Application security focuses on keeping software and devices free of threats. A compromised application could provide access to the data its designed to protect. Successful security begins in the design stage, well before a program or device is deployed.

Information security protects the integrity and privacy of data, both in storage and in transit.

Operational security includes the processes and decisions for handling and protecting data assets. The permissions users have when accessing a network and the procedures that determine how and where data may be stored or shared all fall under this umbrella.

Cyber security is the application of technologies, processes, and controls to protect systems, networks, programs, devices and data from cyber attacks. It aims to reduce the risk of cyber attacks and protect against the unauthorized exploitation of systems, networks, and technologies.

Cyber threats typically arise when an individual or organization's data, computer system, network, or device is targeted by a cyber attacker who seeks to gain unauthorized access or exploit any vulnerabilities present in the information system, compromising its confidentiality, integrity, or availability

Types of cyber threats

- Malware.
- Ransomware.
- Distributed denial of service (DDoS) attacks.
- Spam and Phishing.
- Corporate Account Takeover (CATO)
- Automated Teller Machine (ATM) Cash Out.

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DEPARTMENT OF COMPUTER SCIENCE

EXTENSION ACTIVITY

AWARENESS ON CYBER SECURITY AND CYBER THREATS

S.No	Name of the Student	Class	Signature
1.	K. Rishwitha	9 th	K. Rishwitha
2.	vasupalli krishna veni	9 th	v. krishna veni
3.	D. Sridevi Ramya	9 th	D. Sridevi Ramya
4.	N. Pushpa Kumari	9 th	N. Pushpa Kumari
5.	B. Pavan Jyothi	9 th	B. Pavan Jyothi
6.	P. Keerthi Dhara	9 th	P. Keerthi Dhara
7.	S. Harini Devi	9 th	S. Harini Devi
8.	T. Sri Varshini	9 th	T. Sri Varshini
9.	S. Nakshatra	9 th	S. Nakshatra
10.	K. Keerthi Priya	9 th	K. Keerthi Priya
11.	L. Sony Vaishnavi	9 th	L. Sony Vaishnavi
12.	G. Venkatalakshmi	9 th	G. V. Lakshmi
13.	S. Deekshitha	9 th	S. Deekshitha
14.	V. Sri	9 th	V. Sri
15.	K. Yogitha	9 th	K. Yogitha
16.	A. Sri Siva Kanya	9 th	A. Sri Siva Kanya
17.	D. JAYA LAKSHMI	9 th	D. JAYA LAKSHMI
18.	K. Akhila	9 th	K. Akhila
19.	L. V. Keerthana	9 th	L. V. Keerthana
20.	G. S. R. Ananya	9 th	G. S. R. Ananya

S.No	Name of the Student	Class	Signature
21.	chinta. Srilalli	9 th B	ch. Srilalli
22.	Shaik. Habeebmunnisa	9 th B	sk. Habeebmunnisa
23.	Tellakula sravani	9 th B	Tellakula sravani
24.	Mosa. Suma	9 th B	mosa. Suma
25.	sk. Ameena	9 th B	sk. Ameena
26.	A. vijaya Durga	9 th B	A. vijaya Durga
27.	v.Priya Kesavardhini	9 th B	v.Priya Kesavardhini
28.	Miziyala :- Fahnavi	9 th B	M. Fahnavi
29.	S. sanjana	9 th B	S. sanjana
30.	Tekumudi Deepika Anwar ^{hg}	9 th B	T. Deepika
31.	P. Anantha lazmi	9 th B	P. Anantha lazmi
32.	S. Satya Sri	9 th B	S. Satya Sri
33.	OS. Harini	9 th B	OS. Harini
34.	G. Naga Gyaneswari	9 th B	Gyaneswari
35.	Mallida. Bapanamma	9 th B	M. Bapanamma
36.	penupothu. Mahi	9 th B	p. Mahi
37.	Mandla. Veesa Deepika	9 th B	M.V. Deepika.
38.	Pemmadi Mallika	9 th B	P. Mallika
39.	Kaxe. Deepika	9 th B	K. Deepika
40.	MANDAPATI. Sai Sree	9 th B	M. Sai Sree
41.	S. Sandhya	9 th B	S. Sandhya
42.	P. Satya. Pravalika	9 th B	P. Satya. Pravalika
43.	Mohammad Afeezunnisa	9 th B	md. Afeezunnisa
44.	pinapothu. Sri	9 th B	po. Sri
45.	ch. leela Anwar	9 th B	ch. leela Anwar
46.	Kata. Rishi ^o tha	9 th B	K. Rishi ^o tha
47.	Ganta. Bhuvana	9 th B	G. Bhuvana
48.	Dunna Dhana Kumari	9 th B	D. Dhana Kumari
49.	p. Gova Lakshmi	9 th B	p. Gova Lakshmi
50.	A. Naga Rajeswari	9 th B	A. Naga Rajeswari
51.	B. SATYA	9 th B	B. SATYA

N. N. S. Eswari
 INCHARGE
 DEPT OF COMPUTER SCIENCE
 GOVT DEGREE COLLEGE (WOMEN ONLY)
 KAKINADA

Signature of the HOD

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DEPARTMENT OF COMPUTER SCIENCE

EXTENSION ACTIVITY

AWARENESS ON CYBER SECURITY AND CYBER THREATS

Awareness Campaigns

In addition to the presentations, the Department organized awareness campaigns targeting local schools and the community.

On 19-10-2024, an outreach activity was organized for the students of St. Ann's Girls High School, Kakinada, on recognizing cyber threats and employing basic security. Distribution of informative pamphlets outlining cyber safety tips was also carried out. Interactive sessions where participants could ask questions and discuss their concerns regarding online safety was also organized. This activity provided significant advantage to the girl students of St. Ann's Girls High School by equipping them with essential knowledge and skills to navigate the digital landscape safely. The students learned to recognize various cyber threats and understand the importance of online safety measures, such as creating strong passwords and identifying phishing attempts. This knowledge not only empowered them to protect their personal information but also fostered a sense of confidence in using technology responsibly. Additionally, the initiative encouraged open discussions about digital safety, helping to build a supportive community where students felt comfortable sharing their concerns and seeking guidance on cyber security issues. Overall, the activity instilled valuable skills that benefited the students in their academic and personal lives as they became more active participants in the digital world.



St. Ann's School students listening to the talk on various cyber-attacks and threats



Students explaining about various Cyber Threats to the School students



Students and Staff of the Department explaining about various types of Data breach to the school students



Students explaining about various security measures to the School students



Students explaining about Cyber threats and attacks to public

Along with this, students carried out outreach activities in General public on 04-10-2024 and 26-10-2024, campaigning in the community about cyber threats and measures to be taken to avoid them. During the outreach, college students engaged common public through interactive presentations and discussions. Participants were encouraged to ask questions and share their own experiences related to cyber security, creating an open and informative environment. Informative pamphlets outlining essential cyber safety tips were distributed, ensuring that attendees left with tangible resources they could reference in the future. The event not only enhanced awareness about cyber threats but also empowered community members to take proactive measures to protect their digital identities. Overall, the outreach successfully fostered a culture of cyber vigilance and responsibility, highlighting the importance of staying informed in an increasingly digital world.



Faculty and Students explaining about Cyber threats and attacks to public



Faculty and Students explaining about Cyber threats and attacks to public



Students explaining about Cyber threats and security measures to public

The outreach activities successfully informed over 200 students and community members about the importance of cyber security. Participants expressed gratitude for the practical advice and resources provided, demonstrating a clear increase in awareness of cyber threats.

Conclusion

The activities conducted by the Department of Computer Science at A.S.D. Govt. Degree College for Women(A), in October 2024 significantly contributed to raising awareness about cyber security. The poster and paper presentations, along with community outreach efforts, effectively educated participants on staying safe in the digital world and highlighted innovative solutions to contemporary cyber challenges.

N.N.S. Eswari
IN CHARGE
DEPT OF COMPUTER SCIENCE
A.S.D. GOVT DEGREE COLLEGE (W/AUTONOMOUS)
KAKINADA

Signature of the HOD