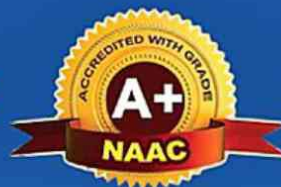# HOLY CROSS COLLEGE

Special Lecture on:

# Cybersecurity in the Age of AI

## Organized by IT Club

**Resource Person:**

## Dr. Honey Gocher

Assistant Professor
Dept. of Computer Science & Engineering
Amity Institute of Information
Technology (AIIT)

**Venue details:**

📅 **Date:** 22 November, 2024

🕐 **Time:** 1:30 PM

🏛 **Venue:** Room G8, Holy Cross College, Agartala

# Holy Cross College, Agartala
## IT Club

To
The Principal,
Dr. Fr. Benny K. John, CSC,
Holy Cross College, Agartala.

Subject: Permission to conduct a Special Lecture on "Cybersecurity in the Age of AI".

Respected Principal,

I am writing on behalf of the IT Club to seek permission to organize a special lecture on **"Cybersecurity in the Age of AI"**. This event aims to educate students on the importance of cybersecurity, especially in an era where artificial intelligence is increasingly integrated into our daily lives.

The lecture will cover key topics such as data protection, common cyber threats, ethical use of AI, and how students can safeguard their personal information. We believe this session will greatly benefit students and faculty members in understanding the importance of cybersecurity and safe practices online.

We propose to conduct the lecture on **22nd November, 2024 at 1:30 p.m.**, with **Dr. Honey Gocher**, Assistant Professor, Amity Institute of Information Technology, a noted expert in the field. The event will be conducted online through the Google Meet Platform, and will be supervised by faculty members of the IT Club.

We kindly request your approval to proceed with organizing this event and your support in making it successful.

Thank you very much for considering our request.

Yours sincerely,

*Maudrila Saha*  18/11/2024
Coordinator, IT Club,
Holy Cross College, Agartala

Principal  15/11/2024
Holy Cross College, Agartala

PRINCIPAL
HOLY CROSS COLLEGE
AGARTALA

**M Gmail**                                                           **IT CLUB <hccitclub2021@gmail.com>**

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# Invitation to Serve as a Resource Person for an Online Special Lecture on "Cybersecurity in the Age of AI"

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**IT CLUB** <hccitclub2021@gmail.com>                              18 November 2024 at 14:48
To: hgocher@jpr.amity.edu

Dear Dr. Gocher,

I am writing on behalf of IT Club, Holy Cross College, Agartala to formally invite you to be the esteemed resource person for our upcoming online Special Lecture session titled "Cybersecurity in the Age of AI." The session is scheduled to take place on 22$^{nd}$ November, 2024 at 1:30 p.m. and will be conducted via Google Meet.

In today's rapidly evolving digital landscape, cybersecurity remains a critical area of focus, particularly with the advent of Artificial Intelligence. Given your expertise in cybersecurity and your significant contributions to the field as a faculty member at Amity Institute of Information Technology, we believe that your insights would be invaluable for our participants. Your knowledge on topics such as AI-driven threat detection, ethical considerations in cybersecurity, and emerging trends in AI and cybersecurity integration will greatly enhance the learning experience for attendees.

The objective of the session is to equip participants with a comprehensive understanding of cybersecurity risks and solutions in the AI era, bridging the gap between theoretical knowledge and practical application. The audience will include students and faculties eager to expand their knowledge and skills in this essential domain.

Please let us know if the proposed date and time align with your schedule. We would also be happy to discuss any honorarium required for your participation.

Thank you for considering this invitation. We look forward to the opportunity of hosting you and are hopeful for a positive response.

Warm regards,

Mandrita Saha
Coordinator, IT Club
Holy Cross College, Agartala.

**IT CLUB <hccitclub2021@gmail.com>**

## Invitation to Serve as a Resource Person for an Online Special Lecture on "Cybersecurity in the Age of AI"

**Honey Gocher** <hgocher@jpr.amity.edu>                    20 November 2024 at 14:37
To: IT CLUB <hccitclub2021@gmail.com>

Dear ma'am,

Thank you for the invitation. I accept the invitation.

Thanking you,

Dr Honey Gocher

Assistant Professor

Amity University Rajasthan

[Quoted text hidden]

**Program Schedule: "Special Lecture on "Cybersecurity in the Age of AI"**
**Date:** 22nd November 2024
**Venue:** Seminar Hall (G-8), Holy Cross College, Agartala
**Time:** 1:30 P.M

## Schedule of Events

| Time | Activity | Facilitator |
|------|----------|-------------|
| 1:30 p.m | Introductory Address | Mr. Jyotirmoy Sil Sharma, IT Club Member |
| 1:35 p.m | Welcome Address | Dr. Fr. Benny K.John, Principal |
| 1:40 p.m | Special Lecture | Dr. Honey Gocher, Resource Person |
| 2:40 p.m | Questions and Answer Session | Resource Person and Participants |
| 2:55 p.m | Vote of Thanks | Ms. Mandrita Saha, IT Club Coordinator |

*Mandrita Saha*
22/11/24
Mandrita Saha
Coordinator, IT Club
Holy Cross College, Agartala

Dated: 25/11/2024

## REPORT

| | | |
|---|---|---|
| **Title of the Program** | : | Special Lecture on Cybersecurity in the Age of AI |
| **Date of the Program** | : | 22$^{nd}$ November, 2024 |
| **Venue** | : | Room No. G-8 (Main Campus), Holy Cross College, Agartala |
| **Program Coordinator** | : | Ms. Mandrita Saha, Asst. Professor, Dept. of Computer Science & Dept. of Commerce |
| | | Mr. Joel Darlong, Asst. Professor, Dept. of Sociology |
| | | Mr. Genesis Debbarma, Asst. Professor, Dept. of Sociology |
| | | Mr. Jyotirmoy Sil Sharma, Asst. Professor, Dept. of Computer Science |
| | | Dr. Rakesh Deb Roy, Asst. Professor, Dept. of Business Administration |
| **Participants** | : | 60 |

### Keynote Speaker

Dr. Honey Gocher, Assistant Professor, Computer Science & Engineering, Amity Institute of Information Technology (AIIT), Jaipur, Rajasthan, a distinguished expert in cybersecurity and AI, was invited to deliver the lecture. He is renowned for his contribution to the field of Software Engineering, with his research revolving around the domain of Cybersecurity.

### Objective of the Program

The primary objective of this special lecture was to raise awareness about the critical role of cybersecurity in the rapidly evolving era of artificial intelligence (AI). The program aimed to enlighten participants on how AI is both enhancing cybersecurity measures and presenting new challenges in protecting digital systems and personal data.

### Summary of the Lecture

The session commenced with an overview of how AI is transforming cybersecurity, including positive impacts of AI on Cybersecurity like use of AI for real-time threat detection and response, machine learning models in identifying vulnerabilities in systems, and the role of AI in predictive analytics to prevent cyberattacks.

The Challenges and Risks Introduced by AI like AI-powered cyberattacks (such as deepfake technology and automated phishing), ethical dilemmas and biases in AI algorithms, and the

need for robust legal and ethical frameworks to govern AI applications were also brought to the limelight of the audience.

The speaker emphasized the growing necessity for individuals and organizations to adopt a proactive approach to cybersecurity. Case studies of recent AI-driven cyberattacks were shared, illustrating the potential risks and the measures taken to mitigate them.

## Interactive Session

The session concluded with a highly engaging Q&A segment. Participants raised questions on the future of cybersecurity jobs in an AI-dominated world, how to implement AI-based tools for small-scale enterprises, and also about the ethical considerations in developing AI technologies for defense systems.

The speaker provided insightful responses, encouraging attendees to continually upskill and adopt a security-first mindset.
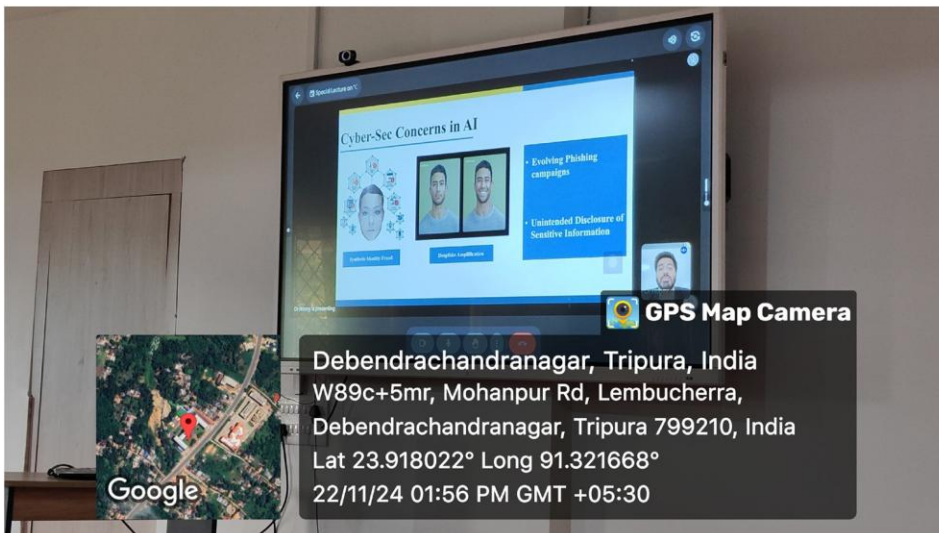

Report prepared by

Dr. Rakesh Deb Roy
Asst. Professor
Dept. of Business Administration

# Special Lecture on Cybersecurity in the Age of AI

# HOLY CROSS COLLEGE

## Cybersecurity in the Age of AI

Attendance Report: 22.11.2024

| Sl. No | Name | Signature |
|---|---|---|
| 1. | Subhajit Paul | Paul 22/11/2024 |
| 2. | Dr. Parkesh Deb Roy | Roy 22/11/2024 |
| 3. | Maudri En Saha | Naha 22/11/24 |
| 4. | Diptanu Das. | 22/11/24 |
| 5. | Sharmili Chakraborty | 22.11.24 |
| 6. | Dr. Shankha Shubhm Bhadu | 22.11.24. |
| 7. | Jyotirmoy Sil-Sharma | 22/11/24 |
| 8. | Jinesh Augustian | 22/11/2024 |
| 9. | Rupak Sen | 22/11/2024 |
| 10. | Sukanya Sen. | S. Sen 22/11/2024 |
| 11 | Maari Debbarma | |
| 10 | Sukanya Sen. | S. Sen 22/11/2024 |
| 11 | Mubdiul Hassan | Hassan 22/11/2024. |
| 12 | Debasish Datta | Datta 22/11/2024 |
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# Holy Cross College, Agartala

## Special Lecture On:
### Cybersecurity in the Age of AI
### organised by IT Club.

22 November 2024;

| Roll No. | Name/Signature | Department |
|---|---|---|
| 733 | Dipika Das | B.Sc Computer Scien |
| 558 | Ritushree Singha | BA (Ceconomics) |
| 531 | Aditi Dey | BA. Economics |
| 537 | Bishal Das | BA. economics. |
| 728 | Sujoy Acharya | Computer Science |
| 707 | Jovial Debbarma | B.s.c maths. |
| 712 | Bindiya Singha. | B.Sc Maths. |
| 708 | Subhanki Roy. | Bsc Maths |
| 709 | Smita Saha. | B.sc. Maths. |
| 705 | Rajib Deb nath | BSc. MATH. |
| 724 | Rakshit Debnath | Bsc - Computer Science |
| 721 | Malyaban chowdhury | BSc computer science |
| 703 | Aspit Reang | B.sc. Maths |
| 713 | Argha Chakraborty | Bsc. Mathematics |
| 732 | Sagnik Ghosh | Bsc. Computer science |
| 734 | Jishan Paul | Bsc. Computer science |
| 731 | Aditi Sus | Bsc. computer science |
| 729 | Abhijit Sutradhar | B.S.c. Computer Science |
| 722 | Arghya Debnath | B.sc. Computer science |

Department.

| Roll No. | Name/Signature | Department |
|----------|----------------|------------|
| 551 | Rwngmari Jamatia | BA Economics |
| 554 | Sayari Debbarma | B.A Economics |
| 557 | Tusha Debnath | BA Economics |

# Holy Cross College, Agartala
## Special Lecture On:
### Cybersecurity in the Age of AI
### Organised by IT Club.

22 November 2024

| Roll No. | Name/Signature | Department |
|---|---|---|
| 540 | IJak Debbarma | ECONOMICS |
| 538 | Deep Joy Jamatia | Economics |
| 542 | Kwthar Debbarma | Economics |
| 541 | Khani Debbarma | Economics |
| 357 | Ayosh Jamatia | Sociology |
| 348 | Raima Debbarma | ECONOMICS |
| 356 | Surabhee Debbarma | Economics |
| 356 | Awmdik Molsom | Sociology |
| 377 | Sachculang Debbarma | Sociology |
| 359 | Hamban Debbarma | Sociology |
| 379 | samphili Debbarma | |
| 362 | Jennifer Tripura | sociology |
| 366 | Khushi Debbarma | sociology |
| 382 | supriya Debbarma | sociology |
| 385 | Swimraw Mog | Sociology |
| 104 | Jelima Mog | Sociology |
| 73 | Jaya Jamatia | Commerce |
| 71 | Isak Dalbiaksanga | Commerce |
| 70. | Gyani Singh Debbarma | Commerce |
| 78. | Manoj Debbarma | Commerce |
| 45. | Sonmistha Datta | B.B.A |
| 59. | Adi Jamatia | B.B.A |

| Roll No. | Name/Signature | Department |
|----------|----------------|------------|
| 49 | Simlalchim Halam | B.B.A |
| 17 | Disha Tripura | B.B.A |
| 534 | Annomya Debbarma | Economics |
| 543 | Mamita Debbarma | Economics |

"Educating hearts and minds"

Date: 25/11/2024

## Certificate of Appreciation

Presented to:

**Dr Honey Gocher, Ph·D· (Cyber Security)**

Assistant Professor (AIIT)

Amity University Rajasthan

In Recognition of His Valuable Contribution as a Resource Person in the Special Lecture on " **Cybersecurity in the Age of AI** "·

This certificate is awarded in recognition of your expertise, insight, and dedication in educating participants on critical aspects of cybersecurity in an AI-driven world· Your contribution has greatly enhanced our understanding and awareness of the challenges and solutions in this rapidly evolving field·

Date: 22nd November, 2024

Location: Holy Cross College, Agartala

Signature

Principal

Holy Cross College, Agartala

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HOLY CROSS COLLEGE
AGARTALA