



# High-End Workshop on Cybersecurity in Edge Computing Enabled Internet of Things (IoT)

(Under the KARYASHALA Scheme – A SERB initiative)

Venue: Computer Science and Engineering Department, Block-D, Atal Bihari Vajpayee-Indian Institute of Information Technology and Management, Gwalior

December 12-18, 2023

Website: <https://sites.google.com/view/ceciot2023>

## About the workshop

### Overview:

Internet of Things (IoT) is considered among the most influential technologies of the decade. It plays a vital role in revolutionization of the various sectors such as Healthcare, Transportation, Manufacturing, Agriculture etc. IoT network consists of connected physical devices/things which collect and share data of their surrounding environment. Edge computing solutions enable the local data processing of collected data to serve the real-time system/application requirement(s) by addressing the challenges associated with cloud-based solutions. On the one hand, the Edge-IoT paradigm enables local data collection and processing to enhance system performance. At the same time, it also exposes the system to potential security threats at both data and infrastructure level.

The aim of the program is to provide opportunities for students and researchers to enrich their knowledge in the following areas:

- Fundamental of Edge-IoT
- Fundamental of Cybersecurity
- Security challenges in Edge-IoT
- Potential solutions to Edge-IoT security challenges (such as ML based, Blockchain based etc.)

## Who Can Attend

The workshop is open to M. Tech & Ph.D. students of Computer Science and Engineering/Information Technology or any other relevant specializations. **Total number of seats is limited to 25. The participants will be selected based on their academic/research credentials and first-come-first-serve basis.**

Students selected for this workshop will be provided with full support in the form of Travel (3AC), stationary, consumables, accommodation, food, etc., as per SERB norms.

**Registration Fee: NIL**

**Registration Link: <https://forms.gle/T1zBMsi4wwB5Aa197>**

### Important Dates:

|                                   |                        |
|-----------------------------------|------------------------|
| Registration Opens                | : November 01, 2023    |
| Last Date of Application          | : November 15, 2023    |
| Display of shortlisted candidates | : November 22, 2023    |
| Workshop dates                    | : December 12-18, 2023 |

## About ABV-IIITM Gwalior

Atal Bihari Vajpayee - Indian Institute of Information Technology & Management Gwalior (ABV-IIITM Gwalior) is India's premier Institute incepted by the Ministry of Education (MOE), Government of India in the year 1997 as a center of excellence in the field of Information Technology and Management. It is the foremost Institute providing superior quality higher education in the designated areas and is located at Gwalior, Madhya Pradesh, India. The Institute's activities aim to develop a culture of inquiry and research through a highly competitive academic environment and close interaction between the Institute and the corporate world. Institute has many laurels to its credit in the national and international arena.



## Event Organizers

Dr. Saumya Bhaduria  
Dr. Santosh S. Rathore  
Dr. Amrendra S. Yadav  
Prof. S. Tapaswi

contact for queries: [saumya@iiitm.ac.in](mailto:saumya@iiitm.ac.in)