



**BMS INSTITUTE OF  
TECHNOLOGY & MANAGEMENT**  
(AN AUTONOMOUS INSTITUTION AFFILIATED TO VTU)

DEPARTMENT OF INFORMATION SCIENCE  
AND ENGINEERING

5 DAYS OPEN COURSE PROGRAM 2023

# Hands on approach on CYBER FORENSICS AND CRIME INVESTIGATION

12th June 2023 – 16th June 2023

**Venue:** BSN CR 306

Faculty Co-ordinator:

**Dr. Usha B A**

Professor, ISE, BMSIT&M

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## REGISTRATION DETAILS

Registration fees: ₹ 400/-

Registration: <https://projects.bmsit.ac.in>

Fee Payment: <https://bmsitm.gnums.in>

## ABOUT THE INSTITUTE:

In view of the growing demand for technical education and with the goal of establishing a premier technical education on par with international standards, a new technical institution by name 'BMS Institute of Technology and Management' was established in 2002. Currently, BMSIT&M offers eight UG, three PG programs and Ph.D./M.Sc. (Engg.) in ten disciplines. BMSIT&M considers research to be of equal importance as academics for the betterment of an institution. Research culture has been embraced well by the faculty members and research scholars at BMSIT&M.

## ABOUT THE DEPARTMENT:

The Department of Information Science and Engineering started in the Year 2010 with an approved intake of 60 and Enhanced to 240 from the academic year 2023-24. The Department has qualified and professionally dedicated faculty members practising OBE in the academic deliverables.

The faculties have published research articles in various National, International Conferences and Journals. The department has modern laboratories to serve the teaching and research needs of the students as well as faculty members. The Department has been organizing conferences, workshops, expert lectures and student centric activities to encourage students to instil lifelong learning. Few of our students are working for consultancy projects along with few faculty members.

The staffs are encouraged to attend the 10 days internship to bridge the gap between the academics and industry. The department has admirable research ambience.

## TARGET AUDIENCE:

All Students of BMSIT&M.

## ABOUT THE COURSE:

Cyber forensics is an unavoidable and crucial element in the modern era, thus cyber forensics plays a huge role in incident response. The field of cyber forensics is growing as more and more things are digitalized. Locating the underlying offenders aids us in battling aggressive activities. Cyber Security experts can identify hackers and crackers with the help of the data obtained via investigations.

Cyber forensics is extremely important in today's technologically advanced age. Forensic and technology work together to speed up investigations and produce reliable findings. The following examples illustrate the significance of cyber forensics:

A cybercrime investigation is the process of investigating, analysing and recovering critical forensic digital data from the networks involved in the attack—this could be the Internet and/or a local network—in order to identify the authors of the digital crime and their true intentions.

Cybercrime investigators must be experts in computer science, understanding not only software, file systems and operating systems, but also how networks and hardware work. They must be knowledgeable enough to determine how the interactions between these components occur, to get a full picture of what happened, why it happened, when it happened, who performed the cybercrime itself, and how victims can protect themselves in the future against these types of cyber threats.



# BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

AVALAHALLI, YELAHANKA, BENGALURU-560064

*Department of Information Science & Engineering*

Course Schedule: **“Hand-On approach on Cyber Forensics and Crime Investigation”**

12<sup>th</sup> June 2023 to 16<sup>th</sup> June 2023

Sl. No.	Date	TOPICS COVERED	BREAK	TOPICS COVERED	BREAK	TOPICS COVERED	FEEDBACK
		8:30 to 10:30 am	10:30 to 10:50 am	10:50 to 12:50 pm	12:50 to 1:50 pm	2:00 to 4:00 pm	4:00 pm to 4:30 pm
1	12.06.2023	Information is Wealth: Awareness towards Cyber Crime  Dr. Usha B A Dept of ISE, BMSIT&M	TEA BREAK	Hands on Approaches on Cyber Crime  Mr. Shashidhar Patgar CyberSapiens	LUNCH BREAK	Hands on Approaches on Cyber Crime  Mr. Shashidhar Patgar CyberSapiens	OVERALL FEEDBACK & ASSESSMENT
2	13.06.2023	Introduction to Cyber Forensics  Mr. Shashidhar Patgar CyberSapiens		Hands on Approaches on Computer Forensics, Cyber Forensics  Mr. Shashidhar Patgar CyberSapiens		Hands on Approaches on Computer Forensics, Cyber Forensics  Mr. Shashidhar Patgar CyberSapiens	
3	14.06.2023	Attacks on Wireless networks  Dr. Anjan K Dept of ISE, BMSIT&M		Hands on Approaches on Malware Analysis and Incident Backtracking  Dr. Manish Kumar RIT, Bengaluru		Hands on Approaches on Mitigating Social Engineering Attack  Dr. Manish Kumar RIT, Bengaluru	
4	15.06.2023	Computer Forensics, Need for Computer Forensics  Dr. Swetha M S Dept of ISE, BMSIT&M		Cyber Laws  Dr. Sudarsanam P Dept of ISE, BMSIT&M		Major Cyber Attacks, Potential threats and research opportunities  Dr. Arun Kumar B R Dept of CSE, BMSIT&M	
5	16.06.2023	Phishing Attack - Tools, Techniques  IBM, India		Phishing Attack - Tools, Techniques  IBM, India		Valedictory Function	