Department of Information Science and Engineering

Workshop on “Digital Forensics Fundamentals – Digital Evidence Collection, Preservation and Analysis”

The Department of Information Science and Engineering, in association with the Skill Development Centre, New Horizon College of Engineering, organised a one-day hands-on workshop titled “Digital Forensics Fundamentals – Digital Evidence Collection, Preservation and Analysis” on 6 November 2026 (Friday), from 12:45 PM to 5:00 PM, at the Juniper Lab, 3rd Floor, C Block, NHCE. The programme was organised primarily for faculty members to strengthen their understanding of digital forensics, evidence-handling procedures and contemporary cybercrime investigation practices. The workshop was conducted by Ms. Nihal Baba, Cyber Security Analyst, Cyber Crime Police Station, North East Division, Yelahanka, Bengaluru. The programme commenced with Dr. Asha Joseph, Head of the Department of ISE, formally welcoming the resource person with a knowledge book and a sapling as tokens of appreciation. Dr. Lipsa Dash, Coordinator, Skill Development Centre, welcomed the faculty participants and briefed them on the programme objectives, along with an introduction to the resource person's professional profile and expertise.

The technical sessions provided an in-depth introduction to the digital forensic investigation lifecycle, covering the identification, collection, documentation and preservation of digital evidence, with particular emphasis on maintaining chain of custody and evidence integrity. Ms. Nihal Baba explained forensic image acquisition, bit-by-bit imaging concepts and the use of MD5 and SHA-256 hash values for integrity verification. The hands-on segment introduced participants to the examination of prepared forensic images, file-system analysis, metadata review and deleted-file recovery. Further discussions covered the interpretation of forensic findings, preparation of basic forensic reports, simulated case studies and the legal and ethical responsibilities associated with digital investigations. The sessions encouraged faculty members to relate forensic concepts to academic instruction, laboratory exercises and practical cybersecurity scenarios. Adding a special moment to the programme, Dr. Manjunatha, Principal, NHCE, made a surprise visit and attended the technical session while the resource person was delivering the presentation.

The workshop provided faculty members with valuable exposure to digital evidence acquisition, preservation and analysis methodologies, highlighting their relevance in cybersecurity education and professional practice. It reinforced the importance of evidence integrity, confidentiality, systematic documentation and responsible use of forensic tools for authorised purposes. The interactive knowledge-sharing session enabled participants to gain a better appreciation of the technical and procedural dimensions of digital forensics and its growing significance in addressing cybercrime. The programme received 85% positive

feedback, reflecting its relevance and usefulness in enhancing faculty members' awareness and understanding of digital forensic practices.

Organised by: Department of Information Science and Engineering and Skill Development Centre, New Horizon College of Engineering, Bengaluru.






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