



SUMMER WORKSHOP on **DEVELOPING CYBER SECURITY MODELS USING DEEP LEARNING TECHNIQUES**

Hybrid Mode

4 - 8 July 2023

Organized by

Department of Information Technology

&

Centre for Networking and Cyber Defense (CNCD)

ABOUT THE INSTITUTION

Hindustan Institute of Technology and Science (HITS), is a leading prestigious and recognized institution in India, located at Chennai, Tamil Nadu. Commenced in 1985, it offers a wide spectrum of Undergraduate, Postgraduate, Diploma, Research & Doctoral Programmes in diverse fields of Engineering, Technology, Architecture, Management, Law, Fashion Design Aviation, Applied Sciences, Allied Sciences, and Arts and Sciences. HITS is recognised as Deemed to be University by UGC in 2008 and received Category-II status from MHRD which empowers HITS with Academic Autonomy. The technical courses at UG and PG levels are approved by AICTE. NBA has certified various programs under Tier 1 category. HITS is a part of the most illustrious Hindustan Group of Institutions which caters to the academic needs of over 15,000 students.

ABOUT THE DEPARTMENT

The Department of Information Technology provides a scaffolding for high quality education and research. It has grown over the years by constantly reinventing itself to meet the industry needs. The department has enriched faculties who also bring in rich industry experience. The

department offers streams on Cyber Security, Data Analytics and Software Modeling. The department has tailored industry connections with IBM, HTC Global Services, and Check Point Technologies. The department is accredited by the National Board of Accreditation (NBA), and the Institution of Engineering and Technology (IET). Thus providing a conducive state of the art environment for learners.

ABOUT THE CENTRE

The Centre for Networking and Cyber Defense (CNCD) at Hindustan Institute of Technology and Science (HITS) was established in the year April 2013 with an aim to carry out research and impart knowledge in Networking and Cyber security. This centre has been formed with domain expertise from Hindustan University, HTC, IBM and D-Link. The centre is also involved in doing community outreach programmes to create awareness on cyber security. Hindustan Institute of Technology and Science is one of the top universities in India to provide Under Graduate, Post Graduate, and Professional Diploma in Cyber Security, Ethical Hacking and Cyber Forensics.

Resource Persons



Dr. Lu Liu

University of Leicester,
UK



Dr. John Panneerselvam

University of Leicester,
UK



Dr. Padmavathi Ganapathi

Avinashilingam University,
Coimbatore



Dr. Ajit Kumar,

Soongil University,
South Korea



Mr. Praveen Singh

HSBC,
Bengaluru



Dr. Y. C. A. Padmanabha Reddy

MITS, AP



Mr. Srinivasa Raju

Vuppalapati MSR IT Services LLP,
Hyderabad



Mr. Arpit Yadav

INSOFE,
Bengaluru

WHO CAN ATTEND

- Faculties from academic institutions
- Research scholars / PG & UG students
- Scientists/Professionals from R&D institutions / industries

ABOUT THE WORKSHOP

The workshop intends to inspire students, research scholars, faculties, and industry people to be familiar with the areas of Cyber Security and Deep Learning (DL) algorithms, especially the design, analysis, and development aspects of the algorithms.

The workshop is scheduled for five days Each day is split into presentation lectures and practice sessions between morning and afternoon. Hands-on practices in exercising the design and analysis activities are scheduled in the afternoon. Participants are encouraged to bring their own insight into the problems.

REGISTRATION DETAILS

Category	Fee (Rs.)	GST(18%)	Total (Rs.)
Students and research scholars	2,000/-	360	2,360/-
Academicians and Corporates	3,000/-	540	3,540/-

IMPORTANT DATES

Payment of Fee & Registration (Online)
Begins - End: **20 May 2023 - 02 July 2023**

Contact Details:
Dr. V. Ceronmani Sharmila & Ms. I. Juvanna
Department of Information Technology, HITS. Ph: **9841104244**

TOPICS TO BE COVERED (TENTATIVE)

- Deep Learning for Cyber Security
- Semi-supervised learning models for cybersecurity Building malware detector using Machine Learning Developing Cyber Security models using a Data Science tool kit
- Cyber Threat Intelligence
- Advanced Approaches for Active Cyber Defense and Resilience
- Deep Neural network models for Mobile Malware Detection



Account Details: **FOR NEFT / RTGS TRANSFER**

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Link to Register:

<https://bit.ly/3JlxuVI>



Email: **it@hindustanuniv.ac.in**

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