Name of Activity	:	**EXPERT LECTURE ON CYBER FORENSICS**
Type of Activity	:	Knowledge Enrichment & Career Guidance
Expert Details	:	**Prof. Arun Kumar Sangaiah**, Professor - Yushan Fellow, International Graduate Institute of AI, National Yunlin University of Science and Technology, Taiwan
Date and Time	:	24th & 25th August 2023
Venue	:	Seminar Hall, Fourth Floor, Science Campus, Alagappa University, Karaikudi
Convenor	:	Prof. A. Padmapriya
Organizing Secretary	:	Dr. S. Santhoshkumar
Details of Participants	:	100

From the Academic Year 2022-23, the Department of Computer Science is conducting Expert Lecture Series every semester. The Department of Computer Science organized an Expert Lecture Series (DCSELS #3) on Cyber Forensics for the students, research scholars, and faculty members on 24th and 25th August 2023.

Prof. Arun Kumar Sangaiah from International Graduate Institute of AI, National Yunlin University of Science and Technology, Taiwan, has consented to act as a resource person for this Lecture Series. The session started with a welcome speech given by the Convenor and the Head (i/c) of the Department Prof. A. Padmapriya. She also addressed the importance of security in Cyber space and opportunities in the field of Cyber Forensics. Followed by that Dr. S. Santhoshkumar the Organizing Secretary of this Expert Lecture Series, introduced the resource person to the participants and highlighted his achievements. Naming a few, Dr. Sangaiah has received many awards, Clarivate Highly Cited Researcher, Yushan Young Scholar fellowship, Top 2% Scientist, PIFI-CAS fellowship, Top-10 outstanding researcher, CSI significant contributor etc.

Prof. Arun Kumar Sangaiah delivered the keynote address, and he sarted his session. In the forenoon sessions, he described the types of cybercrimes in the real digital world about the rate of increasing cybercrimes in our day-to-day lives and cases reported. He explained the effect of cyber-attacks and its impact on victims. In the afternoon sessions, he explained the role of Cyber Forensics in Cyber Attacks/crimes. He addressed the difference between cyber security and cyber forensics.

On the second day of the Expert Lecture Series, during the forenoon sessions he elaborated about various digital evidence to be collected for Cyber Forensics. He briefly explained the importance of AI and Machine Learning for Cyber Forensics. In the afternoon sessions, he stated the types of viruses, worms, spyware, and malware that can create a path for cybercriminals to compromise the user's system. He illustrated different Digital Forensics Tools using examples, enhancing student comprehension.

The two expert lecture series had fully interactive, audience friendly and demonstrative sessions. Many participants, especially the PG students interacted with the expert and clarified their doubts and queries. The expert also motivated the students and described the internship and collaborative research opportunities for them in other countries. From the feedback of the students, it is evident that they became aware of the role and importance of Cyber Forensics in our digital world. The two day Expert Lecture Series successfully concluded with the vote of thanks proposed by Dr. S. Santhoshkumar, Organizing Secretary of this Expert Lecture Series.

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Honourable Vice-Chancellor Prof. G. Ravi nominated Prof. Arun Kumar Sangaiah, International Graduate Institute of AI, National Yunlin University of Science and Technology, Taiwan as a Visiting Faculty for the Department of Computer Science for the Academic Year 2023-2024. In this regard, Prof. Arun Kumar Sangaiah assured our Honourable Vice-Chancellor Prof. G. Ravi that he will take initiates to offer internship with subsidy for the research scholars of Computer Science Department. He added that this kind of internship programmes will strengthen the Research collaboration between Alagappa University and National Yunlin University of Science and Technology, Taiwan.

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