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School of Computer Science and Engineering

Dr. Nimrita Koul
Associate Professor
School of Computer Science and Engineering

Organising Chair

Mr. Naveen Chandra Gowda
Assistant Professor
School of Computer Science and Engineering

Dr. Supreeth S
Assistant Professor
School of Computer Science and Engineering

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Registration Link

Online registrations should be done by filling the following link

https://forms.gle/KkTeesLgBMbXUCVY8

Registration Details

Registration Fee: There are no charges for this FDP. However, registration is mandatory.

1. All the participants must fill in the registration form.
2. The Participants who have registered and attend all the sessions will get an E-Certificate.

Mode of Conduction: Hybrid Mode

REVA UNIVERSITY

Bengaluru, India

DST Sponsored 5-day National Level FDP on

Generative AI and Cybersecurity

24th to 28th July, 2023

Organised by

School of Computer Science and Engineering

Rukmini Knowledge Park,
Kattigenahalli, Yelahanka, Bengaluru-560064
Phone:+91-80-4696 6966

Rukmini Educational
Charitable Trust

www.reva.edu.in

About REVA University

REVA University is a State Private University established in Karnataka State under the Government of Karnataka Act No. 13 in the year 2013 in Bengaluru, the IT capital of India. The University is recognised by the University Grants Commission (UGC) and is approved by the AICTE (All India Council for Technical Education).

REVA University prides itself in contributing to every student's holistic development. The University currently offers 41 full-time Under Graduate Programmes, 32 full-time Post Graduate programmes, 18 PhD programmes, and certification and diploma programmes. The University offers programmes in Engineering, Architecture, Science and Technology, Commerce, Management Studies, Law, Arts & Humanities, and Performing Arts. Courses are offered in Certificate/Diploma and Post Graduate Diploma too. REVA University facilitates research leading to a Doctoral Degree in all disciplines. The programmes offered by REVA University are well-planned and designed based on methodical analysis and research with emphasis on knowledge assimilation, practical applications, hands-on training, global and industrial relevance, and their social significance.

About the School

The School has a rich blend of experienced and committed faculty who are well-qualified in various aspects of computing and information technology apart from the numerous state-of-the-art digital classrooms and laboratories having modern computing equipment. The School offers two full-time undergraduate programs, B Tech in Computer Science and Engineering, B Tech in Artificial Intelligence and Data Science, B.Tech in Computer Science and Engineering (Internet Of Things And Cyber Security Including Block Chain Technology) and Post graduate programs: M Tech in Computer Science and Engineering Full Time and Part-Time.

In addition, the school has a unique academic collaboration with the University of Alabama in Huntsville to jointly offer an MS program in Computer Science. In addition, the school has a research center in which students can conduct cutting-edge research leading to a Ph.D. degree. Curricula of both undergraduate and postgraduate programs have been designed through a collaboration of academic and industry experts to bridge the growing gap between industry and academia. This makes the program highly practical-oriented, and thus industry-resilient. The B Tech program aims to create quality human resources to play leading roles in the contemporary, competitive industrial and corporate world. The masters' degrees focus on quality research and design in the core and application areas of computing to foster a sustainable world and to enhance the global quality of life by adopting enhanced design techniques and applications. This thought is reflected in the various courses offered in the masters' programs.

About the FDP

This faculty development program combines the cutting-edge fields of generative AI and cyber security, offering participants a unique opportunity to explore the fascinating intersection of these disciplines. This immersive program is designed to equip aspiring researchers, academicians, professionals and students with the knowledge and skills needed to tackle the evolving challenges in safeguarding digital ecosystems using the power of generative AI technologies. Through a set of comprehensive sessions, participants will delve into the principles of generative AI algorithms, learning to harness their potential in detecting and defending against cyber threats. From adversarial attacks to anomaly detection, the program delves into the intricacies of cyber security while unleashing the potential of generative AI to revolutionize defense mechanisms. Join this transformative learning program and unlock the possibilities of securing our digital future with the fusion of generative AI and cyber security expertise.

Objectives of FDP

1. Gain a solid understanding of the foundational concepts, principles, and techniques related to generative AI and cyber security.
2. Identify the intersection points between generative AI and cyber security and explore how these fields can complement each other.
3. Acquire knowledge and skills in using generative AI models.
4. Develop awareness of different cyber security risks, threats, and vulnerabilities prevalent in today's digital landscape, and explore how generative AI can contribute to mitigating these risks.
5. Encourage collaboration and knowledge-sharing among participants to enhance their understanding of generative AI and cyber security.
6. Stay abreast of the latest developments, research, and emerging trends in generative AI and cyber security

Resource Person

Experts from Industry and academia.

Target Audience

Research Scholars, IT working Professionals, Faculty members of UGC / AICTE recognized Universities and Engineering Colleges from all over India.

Tentative Schedule of the FDP

MON 24.07.2023	10 AM -11 AM Mr. Amit Kumar Senior Enterprise Architect, NVIDIA	3 PM - 4 PM Dr. Nimrita Koul School of CSE, REVA University
	Topic: Generative AI Infrastructure	Topic: Generative AI Models
TUE 25.07.2023	10 AM -11 AM Dr. J. B. Simha REVA RACE	3 PM - 4 PM Dr. Nimrita Koul School of CSE, REVA University
	Topic: Emerging Cybersecurity Risks due to Generative AI	Topic: Prompt Engineering
WED 26.07.2023	10 AM -11 AM Mr. Pradeepta Mishra Co-Founder and Chief Architect, Data Safeguard Inc.	3 PM - 4 PM Mr. Samuel Jonathan REVA University
	Topic: Data Security	Topic: Password Security and Multifactor Authentication
THU 27.07.2023	10 AM -11 AM Mr. Sudhanva Manjunath Athreya, REVA University	3 PM - 4 PM Mr. Abhay Pratap Singh REVA University
	Topic: Zero Shot Learning	Topic: Large Language Models
FRI 28.07.2023	10 AM -11 AM Mr. Darshan V REVA University	3 PM - 4 PM Prof. Naveen Chandra Gowda, REVA University
	Topic: Creating and Interacting with Smart Contracts using Solidity	Topic: Truffle Local Chain