



About the Workshop

Join us for an insightful Workshop on Social Network Analysis (SNA), designed to provide a comprehensive understanding of the fundamentals and advanced techniques of SNA. Participants will explore its diverse applications in societal research, including cybersecurity, misinformation detection, and public health. This workshop aims to combine theoretical learning with practical expertise in SNA tools to empower researchers and students in their academic and professional pursuits.

Resource Persons

Dr. Rajesh Sharma, Associate Professor, University of Tartu, Estonia,

Dr. Sreeraag G, Assistant Professor, School of Computing, Amrita Vishwa Vidyapeetham, Bangalore Campus,



Target Audience

The workshop is designed for faculty members, PhD research scholars, and UG/PG students from VIT and other institutions.

Reg fee - ₹500*

Co- Conveners

Dr. Vijayan. E,
Professor & Head Department of Computer Applications
Dr. Prabhavathy. P,
Professor & Head Department of Information Technology
Dr. Neelu Khare,
Professor & Head Department of Software and System Engineering
Dr. Iyapparaja .M,
Professor & Head Department of Smart Computing



VIT[®]

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

One Day Workshop On

Mastering Social Network Analysis: Advanced Techniques, AI-Driven SNA, and Tools for Societal Research

8th February 2025

SJT G07

Organized by

**School of Computer Science Engineering
& Information Systems (SCORE)
Vellore Institute of Technology**

AND

**IEEE Information Theory Society
(IEEE-ITS)**

Coordinators

Dr. Shynu P G, Professor SCORE
Dr. John Singh K, Professor SCORE.

Contact: 9840800396 / 9442451035
<https://events.vit.ac.in>

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Dr. Jayabarathi T, Registrar

CONVENER

Dr. Daphne Lopez, Professor & Dean

SCORE

About VIT

Vellore Institute of Technology was established under Section 3 of the University Grants Commission (UGC) Act, 1956, and was founded in 1984 as Vellore Engineering College. The Union Ministry of Human Resources Development conferred University status on Vellore Engineering College in 2001. The University is headed by its founder and Chancellor, Dr. G. Viswanathan, a former Parliamentarian and Minister, Tamil Nadu Government. The institution persistently seeks and adopts innovative methods to improve the quality of higher education consistently. The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students. The diversity of faculty members and their unrelenting focus on teaching and research enable to realise the high requirements of modern-day teaching-learning process. VIT has established and sustains a strong support structure for the successful progression of students. VIT is committed towards its vision of "Transforming life through excellence in education and research" and adopts professional approach in its governance.

Ranking and Accreditation

- VIT has emerged as one of the best institutes in India and is aspiring to become a global leader. Quality in teaching-learning, research and innovation make VIT unique.
- Ranked among the top 701-800 Universities of the world and one among the top 5-6 Institutions in India (Shanghai ARWU Ranking 2023).
- The 10th best University, the 13th best Research institution and the 11th best Engineering Institution in India (NIRF Ranking, Govt. of India 2024)

- The Engineering and Technology subject areas of VIT are the 212th best in the World and the 9th best in India as per QS World University Rankings by Subject 2024.
- NAAC Accreditation with A++ grade in the 4th cycle
- Ranked within the top 163 Universities in Asia (QS Asia University Rankings 2024)

About SCORE

The School of Computer Science Engineering and Information Systems (SCORE) emphasizes the fields of Information Technology, Software Engineering and Domain Specific Applications to facilitate the evolution of skills in students to help them to attain a higher degree of knowledge, global competency, and excellence, for the betterment of the society. According to the subject positioning by QS, Computer Science and Information systems secured 136 rank in the globe. This school offers Bachelor of Technology, Master of Technology, Bachelor of Science(Computer Science), Bachelor of Computer Applications, Master of Computer Applications and Doctorate of Philosophy programmes. Major areas of research include Artificial Intelligence, Big Data, Cloud Computing, Data Mining, Image Processing, Information and Cyber Security, Intelligence Systems, IoT, Machine Learning and Software Engineering. The school's focus is on holistic learning to help the students to make significant contributions to the industry and to serve society at large. The school has committed faculty members, apart from many visiting professors, and working professionals from the industry and R&D organizations. The faculty members are highly motivated to do groundbreaking research and excel in teaching and learning processes. Students are provided opportunities to apply the acquired knowledge in solving real-world problems and gaining research experience. The placement record of the school is always remarkable.

The school has strong linkages with leading IT and research organizations with industry-supported laboratories. A selection of professors of the school are among the Top 2% Scientists in the world according to the study conducted by the Stanford University, USA in 2024

Schedule (10:00 AM – 4:00 PM)

- Introduction to Social Network Analysis
- Advanced SNA Techniques
- SNA in Societal Research
- Live Tool Demonstration with Case Studies
- Emerging Research Challenges & Future Directions in SNA
- Discussion & Wrap-Up

About IEEE ITS

The IEEE Information Theory Society at VIT is a newly established student chapter that explores the latest advancements in information theory to tackle modern-day challenges. We provide a nurturing environment for fresh ideas and innovative thinking, empowering individuals to make a difference. Our chapter organizes technical events, workshops, and delivers high-quality projects to partners and collaborators. We inspire and shape curious minds, helping them overcome present-day challenges and achieve success.