

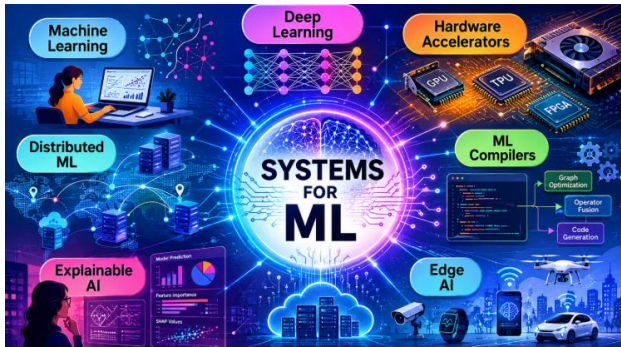


**ACM India – VIT Summer School**

on

## **Systems for ML**

**(01.06.2026 to 12.06.2026)**



**Organized by**

**School of Computer Science and Engineering  
(SCOPE)**

**Vellore Institute of Technology  
Vellore 632 014, Tamil Nadu, India**

### **ABOUT VIT**

VIT was established with the aim of providing quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis.

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 global standards set at VIT in the field of teaching and research spur us on in our relentless pursuit of excellence. In fact, it has become a way of life for us. The highly motivated youngsters on the campus are a constant source of pride. Our Memoranda of Understanding with various international universities are our major strength. They provide for an exchange of students and faculty and encourage joint research projects for the mutual benefit of these universities. Many of our students, who pursue their research projects in foreign universities, bring high quality to their work and esteem to India and have done us proud. With steady steps, we continue our march forward. We look forward to meeting you here at VIT.

### **ABOUT SCOPE**

The School of Computer Science and Engineering has one of the best infrastructures including domain-specific labs associated with the technical departments. The main aim is to produce computing graduates with potential, to design and develop systems involving the integration of software and hardware devices, employ innovative approaches in programming and problem solving, and create Large Scale Software Systems. With an objective of developing core competence in the subject matter specializations and special interest groups

for learning newer technologies. The school has formed the following technical departments:

- Analytics
- Computational Intelligence
- Database Systems
- Software Systems
- Information Security
- Internet of Things
- Quantum AI

### **ABOUT THE SUMMER SCHOOL**

The ACM Summer School on “Systems for ML” is an intensive Two-week program designed to provide participants with a strong systems-oriented perspective for building scalable and efficient machine learning solutions. The program balances rigorous theoretical foundations with practical engineering aspects spanning machine learning systems, deep learning infrastructure, hardware accelerators, distributed ML, Edge AI, ML compilers, and explainable AI. The summer school is exclusively intended for women participants, specifically targeting pre-final year and final year undergraduate students, as well as postgraduate students..

### **CONTENTS OF PROGRAM**

- Mathematical Foundations for ML
- Primer on DL

- Machine Learning Algorithms and Implementation
- Deep Learning Systems and Implementation
- GPU Architecture
- Hardware Acceleration for AI
- Distributed Machine Learning Systems
- MLCompilers
- Edge AI
- Explainable AI

## RESOURCE PERSONS

Dr. Manisha Padala, IIT Gandhinagar

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Dr. Sanchari Sen, IISc Bangalore

Dr. Abhijit Das, IIT Hyderabad

Dr. Mythili Vutukuru, IIT Bombay

Dr. Vijay Keswani, IIT Delhi

Dr. Arun Rangasamy, Qualcomm Hyderabad

Dr. Sudharsan V S, Qualcomm Hyderabad

Dr. Hariharan R,L, VIT Vellore

Dr. Arun Pandian J, VIT Vellore

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