

AICTE-Vibrant Advocacy for Advancement and Nurturing of Indian Languages Institution



Three Day Workshop On

HPC and Quantum Technology for Next-Generation Smart Cities & Intelligent Mobility Applications Emerging Field: Advanced Computing (Supercomputing, AI, Quantum Computing) In Tamil

Workshop Schedule

Scheduled Dates: **23.09.2025 to 25.09.2025**

Day	Morning Session		Lunch	Afternoon Session	
23/09/25	Session I 8.30 AM to 10.00 AM Mr.Henry Sukumar Associate Director CDAC, Bangalore Years of Exp: 20 Topic: Case Studies: HPC and Quantum Computing in Real-World Smart Cities.	Session II 10.30 AM to 12.00 Noon Mr.Henry Sukumar Associate Director CDAC, Bangalore Years of Exp: 20 Topic: Future Trends in Quantum Computing and HPC for Smart Cities.		Session III 12.30 PM to 2.00 PM Dr.E.Suganya Assistant Professor & SSN College of Engineering Years of Exp: 10 Topic: Machine Learning and HPC for Predictive Analytics in Urban Mobility	Session IV 2.00 PM to 3.30 PM Dr.E.Suganya Assistant Professor & SSN College of Engineering Years of Exp: 10 Topic: Sustainable Urban Development with HPC
24/09/25	Session V 8.30 AM to 10.00 AM Abilash Rajasekaran Software Engineer, Google, Bangalore. Years of Exp: 10	Session VI 10.30 AM to 12.00 Noon Abilash Rajasekaran Software Engineer, Google, Bangalore. Years of Exp: 10	12.00 Noon to 12.30 PM	Session VII 12.30 PM to 2.00 PM Rahul Kishan Senior Engineer & Sales force, Bangalore Years of Exp: 10	Session VIII 2.00 PM to 3.30 PM Rahul Kishan Senior Engineer & Sales force, Bangalore Years of Exp: 10

	Topic: Introduction to HPC and Quantum Computing	Topic: Smart Cities: Challenges and Opportunities		Topic: Quantum Computing Fundamentals for Urban Mobility	Topic: HPC in Data-Driven Urban Planning
25/09/25	Session IX 8.30 AM to 10.00 AM Arun Munusamy AVP Delivery Director, Genpact, Bangalore Years of Exp: 19 Topic: Energy Management in Smart Cities Using HPC & Quantum Computing	Session X 10.30 AM to 12.00 Noon Arun Munusamy AVP Delivery Director, Genpact, Bangalore Years of Exp: 19 Topic: Cybersecurity in Smart Cities: The Role of HPC and Quantum Cryptography		Session XI 12.30 PM to 2.00 PM Dr. Bhalaji Natarajan, Senior Consultant, IITM Pravartak Technologies Foundation, Chennai Years of Exp: 10 Topic: Quantum Algorithms for Smart City Solutions	Session XII 2.00 PM to 3.30 PM Dr. Bhalaji Natarajan, Senior Consultant, IITM Pravartak Technologies Foundation, Chennai Years of Exp: 10 Topic: HPC for Optimizing Traffic and Transportation Systems