AMITY UNIVERSITY

UTTAR PRADESH

AMITY SCHOOL OF ENGINEERING & TECHNOLOGY
Department of Information Technology

A Workshop

On

"Modelling Performance of Software Systems Using MATLAB SimEvents"

Speaker: **Raghu Ramakrishnan** Chief Architect & Head, Technology Excellence Group, Government Business Unit, Tata Consultancy Services.

About Speaker: Raghu Ramakrishnan is Chief Architect and Head of Technology Excellence Group at Government Business Unit of Tata Consultancy Services, and a researcher at Guru Gobind Singh Indraprastha University. He received his bachelor's degree from Birla Institute of Technology & Science, Pilani and his M Tech from Guru Gobind Singh Indraprastha University, Delhi. He has over 23 years of industry experience and a proven track record in designing, implementing and running large scale mission critical software systems for government, banking and airlines. His research interests are in practitioner oriented models applied to the area of performance, capacity and scalability of large scale software systems. His continuous involvement with academics has helped him to convert theory into project practices. He has attended a number of conferences, published technical papers and delivered presentations at academic and public forums. He is a member of Computer Measurement Group, IEEE and CSI and has been a part of the PG & UG Course Review Board of the Indira Gandhi Delhi Technical University for Women. He has been the recipient of Bhamashah Gold Medal in Academics, University Gold Medal and the Best Paper Award at 17th National E-Governance Conference. He has received citations for his outstanding technical contribution in Passport Seva Project of Ministry of External Affairs and Army Wide Area Network messaging solution of Ministry of Defence.

Time	Topic	Speaker (s)
	PROGRAMME SCHEDULE	
	(Proposed)	
	Day: 06/10/2016	
	Venue: F1-MDP	
11:30am to 01:30pm	• Introduction to Performance Modelling o Rationale o Analytical and Simulation • Discrete Event Simulation: Theory & Applications • Software Performance Engineering Lifecycle (SPLC) o Concepts o Capacity Planning, Sizing of Software Systems • SimEvents o Entities, Resources, Events, Routing, Entity Management	**Raghu Ramakrishnan** Chief Architect & Head, Technology Excellence Group, Government Business Unit, Tata Consultancy Services
	01:30pm - 02:30pm Lunch	
02:30pm – 05:00pm	• Example: Simulating a Transactional System • Hands-on Session	**Raghu Ramakrishnan** Chief Architect & Head, Technology Excellence Group, Government Business Unit, Tata Consultancy Services
	05:00pm Evening Tea	