



# PDPM INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, DESIGN & MANUFACTURING, JABALPUR

(An Institute of National Importance established by an Act of Parliament, Government of India)

## Workshop on Network Simulation and Tools (NS-3 and Omnet++)

### Programme Schedule (Venue: CR-208)

**Registration Timings: February 04, 2017 (09:00 AM - 10:00 AM)**

Day Date	9.00 A.M. to 11.00 A.M.	11.00 A.M. to 11.15 A.M.	11.15 A.M. to 1.15 P.M.	1.15 P.M. to 2.30 P.M.	2.30 P.M. to 4.30 P.M.	4.30 P.M. To 4.45 P.M.	4.45 P.M. to 5.45 P.M.
Day 1: 4 <sup>th</sup> Feb., 2017 (Saturday)	Registration (1hr) Inauguration* (1/2 hr)	Hands on Technical session NS3 installation and architecture relations		Lunch Break	Hands on Technical session Basic scripting in NS3	Tea Break	Hands on Technical session Basic scripting in NS3 and traces
Day 2: 5 <sup>th</sup> Feb., 2017 (Sunday)	AODV protocol understanding and modifications in NS3	Tea Break	WSN related scripting in NS3		Lecture on WSN		Traces understanding and graph generations
Day3: 6 <sup>th</sup> , Feb, 2017 (Monday)	SUMO installation and scripting		Using SUMO traces in NS3		Other WSN relative studies in NS3		Parallel Computing demonstration

**\* Inauguration venue: L107**



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Day 4: 7 <sup>th</sup> Feb.,2017 (Tuesday)	Installing omnet++ and architecture studies	Tea Break	Basic Scripting and relative study in omnet++	Lunch Break	Lecture on mmWave communication	Tea Break	Lecture on VANET
Day 5: 8 <sup>th</sup> Feb., 2017 (Wednesday)	Generating traces And Analysing traces in omnet++		Using SUMO traces in omnet++ Generating own basic modules in omnet++		Working with castalia and INET framework		NS3 Framework for mmWave communication
Day 6: 9 <sup>th</sup> , Feb,2017 (Thursday)	Framework wise protocol implementation strategies		Feasibilities of emulations using omnet++		MCQ paper and practical exam	Valedictory function	