



AICTE SPONSORED
ONE WEEK HANDS ON WORKSHOP
ON



**ADVANCES IN COMMUNICATION NETWORKS
USING NS3**

Organized by

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated to VTU, Belgaum and Approved by AICTE, New Delhi,)

11th - 16th December, 2017



PROGRAM SCHEDULE

DAY 1 - 11th December 2017

Start Time	End Time	Details
08.30am	09.15am	REGISTRATION
09.15am	10.15am	INAUGURATION FUNCTION Chief Guest Dr. L Pratap Reddy Director (R&D), JNTU Hyderabad Working Chairman, SWECHA
10.15am	10.45am	TEA BREAK
10.45am	01.00 pm	KEYNOTE SPEECH Dr. L Pratap Reddy Director (R&D), JNTUH Working Chairman, SWECHA TOPIC: FLOSS Contribution to Information Communication Technology
01.00pm	02:00 pm	LUNCH BREAK
02:00pm	03:45pm	SESSION – I Mr. Balachandran Kamat Senior Consultant Wipro Technologies TOPIC: Connected Devices
03:45pm	04:00pm	TEA BREAK

DAY 2 - 12th December 2017

Start Time	End Time	Details
		Resource Persons: Mr. Nithin K & Team Impulse Systems, Bangalore
09.00am	10.30am	<u>NS 2</u> <ul style="list-style-type: none">• NS2 installation on ubuntu• Introduction to NS2 and Installation• TCL Script Programming
10.30am	10.45am	TEA BREAK
10.45am	01.00pm	<ul style="list-style-type: none">• Wired and Wireless Programs• Energy Modules in WSN
01.00pm	2:00 pm	LUNCH BREAK
02:00 pm	03:45pm	<ul style="list-style-type: none">• Post processing tool for trace analysis• Adding new module in NS2
03:45pm	04:00pm	TEA BREAK

DAY 3 - 13th December 2017

Start Time	End Time	Details
		Resource Persons: Mr. Nithin K & Team Impulse Systems, Bangalore
09.00am	10.30am	<ul style="list-style-type: none">• Adding new module in NS2
10.30am	10.45am	TEA BREAK
10.45am	01.00pm	<ul style="list-style-type: none">• Execution of wired and wireless programs
01.00pm	02:00 pm	LUNCH BREAK
2:30 pm	03:45pm	<ul style="list-style-type: none">• Execution of wired and wireless programs• Execution of wired and wireless programs
03:45pm	04:00pm	TEA BREAK

DAY 4 - 14th December 2017

Start Time	End Time	Details
		Resource Persons: Mr. Nithin K & Team Impulse Systems, Bangalore
09.00am	10.15am	<ul style="list-style-type: none">• Introduction to NS3
10.15am	10.30am	TEA BREAK
10.30am	1.00pm	<ul style="list-style-type: none">• NS3 tool installation
1.30pm	2:00 pm	LUNCH BREAK
2:00 pm	03:45pm	<ul style="list-style-type: none">• Modules in NS3• Execution of programs
03:45pm	04:00pm	TEA BREAK

DAY 5 - 15th December 2017

Start Time	End Time	Details
		Resource Persons: Mr. Nithin K & Team Impulse Systems, Bangalore
09.00am	10.30am	<ul style="list-style-type: none">• Netanim Installation
10.30am	10.45am	TEA BREAK
10.45am	1.00pm	<ul style="list-style-type: none">• Trace analysis in wireshark
1.00pm	2:00 pm	LUNCH BREAK
2:00 pm	03:45pm	<ul style="list-style-type: none">• Trace analysis in wireshark
03:45pm	04:00pm	TEA BREAK

DAY 6 - 16th December 2017

Start Time	End Time	Details
09.00am	10.30am	SESSION-II Dr. Polaiiah Bojja

		<p style="text-align: center;">Professor in ECE K L E F University Topic: Evaluation Of Networked Control Systems Using Wire Less Sensors Network For Real Time Applications</p>
10.30am	10.45am	TEA BREAK
10.45am	1.00pm	<p style="text-align: center;">SESSION-III Dr. S. Rominus Valsalam Former Scientist CDAC Research Advisor, KLEF University Topic: Research & development activities and research methodology for faculty development</p>
1.00pm	2:00 pm	LUNCH BREAK
2:00 pm	03:00pm	<p style="text-align: center;">SESSION – IV Dr. Jyotirmoy Karjee Scientist TCS Research & Innovations Topic: The Role of Communication Networks for Internet of Things (IoT) Specific Use-cases</p>
03:00pm	03:45pm	<p style="text-align: center;">VALEDICTORY FUNCTION Chief Guest Dr. S. Rominus Valsalam Former Scientist CDAC, Thiruvananthapuram Research Advisor, KLEF University</p>
03:45pm	04:00pm	TEA BREAK