



**MAHATMA GANDHI  
INSTITUTE OF TECHNOLOGY (A)**

Kokapet(Village), Gandipet, Hyderabad, Telangana - 500075. [www.mgit.ac.in](http://www.mgit.ac.in)



MOTIVATE  
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**25**  
YEARS



**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

In Association with TASK<sup>®</sup> Organizing

Three Days Workshop

on

**SIMULATION OF DATA COMMUNICATIONS &  
NETWORKS Using NS2**

**4<sup>th</sup> – 7<sup>th</sup> November 2022**

➤ **No Registration Fee**

## **ABOUT THE INSTITUTE**

Mahatma Gandhi Institute of Technology is one of the premier Engineering Colleges in the self-financing category in the state of Telangana. MGIT is affiliated to Jawaharlal Nehru Technological University, Hyderabad. The institute has received accreditation for six UG programs, three times from National Board of Accreditation, New Delhi. The Institute is also accredited by NAAC with 'A' grade. Starting from academic year 2021-2022. MGIT is conferred with Autonomous status for 10 years by UGC, New Delhi. The institute offers instruction in eleven Undergraduate Programs: Computer Science & Engineering, Information Technology, Electrical & Electronics Engineering, Electronics & Communication Engineering, Mechatronics, Civil Engineering, Mechanical Engineering and Metallurgical & Materials Engineering and also in emerging technological areas like Computer Science and Business System, Computer Science and Engineering (Artificial Intelligence and Machine Learning) and Computer Science and Engineering (Data Science) and seven PG programs. The institute has received MHRD's NIRF-2022 Ranking in the rank band: 251-300.

## **ABOUT THE DEPARTMENT**

The department of Electronics & Communication Engineering was started in the year 2000 with a vision to mould competent Electronics and Communication engineers with sound theoretical and practical knowledge, working for the betterment of Humankind. The department has excellent infrastructure facilities, laboratories and the Department has forty well experienced & qualified faculty supported by dedicated technical staff. The Department has R&D and project lab. The department has successfully completed AICTE sanctioned research project (RPS) & FDP. The department of Electronics & Communication Engineering regularly organizes National level technical events and seminars.

## **ABOUT THE WORKSHOP**

- ❖ As the field of Data Communications & Networks, has an enormous growth in the research, this offline Workshop is aimed to provide the students, teaching and research community, to implement Simulation and Modeling of Networks using an open source tool, called 'NS-2'
- ❖ The Resource Persons of this Workshop are from TASK (Telangana Academy for Skill and Knowledge)

## **DAY WISE SCHEDULE**

<b>DATE</b>	<b>TIME</b>	<b>TOPIC</b>
<b>4 Nov 2022 (Friday)</b>	<b>9.15 AM to 12.15 PM</b>	<b>Introduction to Computer Network and its architecture with basic commands</b>
<b>4<sup>th</sup> Nov 2022 (Friday)</b>	<b>1.15 PM to 4.15 PM</b>	<b>NS2 Installation</b>
<b>5<sup>th</sup> Sep 2022 (Saturday)</b>	<b>9.15 AM to 12.15 PM</b>	<b>Writing a TCL script for TCP communication between senders and Receiver of any Topology</b>
<b>5<sup>th</sup> Sep 2022 (Saturday)</b>	<b>1.15 PM to 4.15 PM</b>	<b>Performance evaluation of Queue Management Systems.</b>
<b>7<sup>th</sup> Sep 2022 (Monday)</b>	<b>9.15 AM to 12.15 PM</b>	<b>Performance evaluation of Routing Protocols for Wireless Sensor Networks</b>
<b>7<sup>th</sup> Sep 2022 (Monday)</b>	<b>1.15 PM to 4.15 PM</b>	<b>Do's and Don'ts in NS2</b>

## ADVISORS

**Sri D. Praveen Reddy** , Chairman, CBES

**Sri J. Pratap Reddy**, Secretary & Correspondent, CBES

## CHAIRMAN

**Prof. G. Chandra Mohan Reddy**, Principal, MGIT

## VICE-CHAIRMAN

**Prof. K. Sudhakar Reddy**, Vice-Principal

## CONVENORS

**Dr. S. P. Singh**, Professor & Head, ECE

**Dr. D. Venkat Reddy**, Professor, ECE

**Dr. Ch. Raja**, Associate Professor, ECE

**Dr. S. Srinivasa Rao**, Associate Professor, ECE

**Dr. A. Nagesh**, Professor CSE, **TASK® Coordinator**, Contact No: 9848276707

## COORDINATORS

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