LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)
Accredited by NAAC with 'A' Grade, ISO 9001:2015 Certified Institution
Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada
L.B. REDDY NAGAR, MYLAVARAM, NTR DIST., A.P.-521 230.
hodads@lbrce.ac.in , ads@lbrce.ac.in, Phone: 08659-222933, Fax: 08659-222931

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

REPORT

on

Two Day Workshop on Network Simulation Tools and Techniques

2nd – 3rd September-2022

_____

The Department of Artificial Intelligence & Data Science had organized a Two day work shop on Network Simulation Tools and Techniques for III Year B. Tech Students. The session is inaugurated by **Dr. O Rama Devi**, HoD, Dept. of AI & DS, **Dr. D Veeriah,** HoD **,** Dept. of CSE, **Dr M Srinivasa Rao,** Dean of Academics , **Dr E Suresh Babu,** Resource person **, Dept. of CSE, NIT Warangal**

Resource Person   :   **Dr. E. Suresh Babu**, Assistant Professor, Dept. Of CSE, NIT-W.

Name of Convener   :   **Dr. O. Rama Devi, Professor** & HoD, Dept. of AI & DS

Name of Coordinators   :   Mrs. T.S.RajaRajeswari, Sr.Asst. Professor, Dept. of AI & DS

Target Audience   :   III Year B.Tech. Students

Total no of Participants :   65

Objective of the Event :   To improve the student's knowledge on Networking Tools

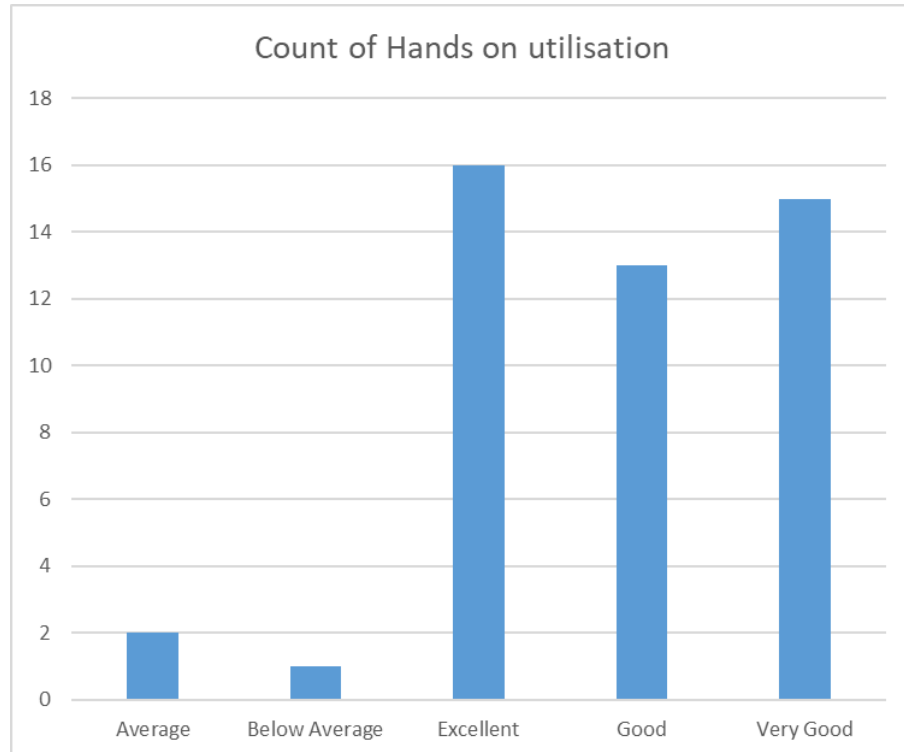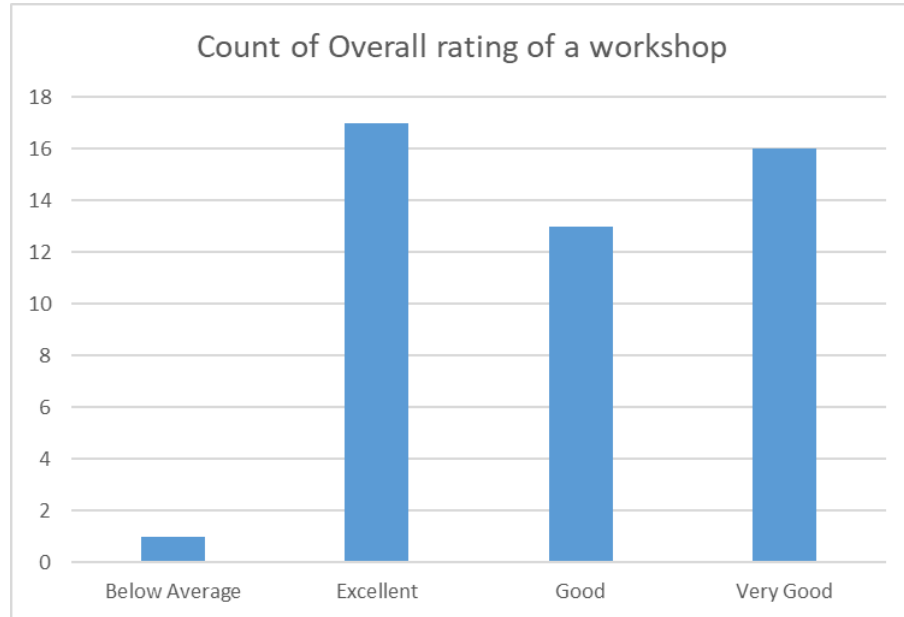**Outcome of the Event :**   Student able to learn the following

- To demonstrate network architecture from design perspective
- To implement Network layer functionalities using NS - 3
- To outline Transport layer protocols
- To Analyze application layer protocols using wire shark

Resource Person has discussed the following

Network simulation is a kind of virtual Network can simulate complex networks and scenarios and supports the combination of virtual and real network devices. Network simulation tool is to build, design, configure and test network scenarios in complete risk-free virtual environment. Network Simulation3(NS-3). NS-3 is a discrete event simulator provides substantial support for simulation of TCP, routing and multi-cast protocol over wired and wireless networks. NS-3 is an open source tool available for research, development and use. Wire shark is a packet analyzer used for network trouble shooting, analysis, software and communication protocol development.

Feedback/ Suggestions:

ll the participants expressed very positive feedback. They expressed its an outstanding and motivational. This two-day work shop met the program objectives.

Count of Overall rating of a workshop

Category	Count
Below Average	1
Excellent	17
Good	13
Very Good	16

Count of Hands on utilisation

Category	Count
Average	2
Below Average	1
Excellent	16
Good	13
Very Good	15

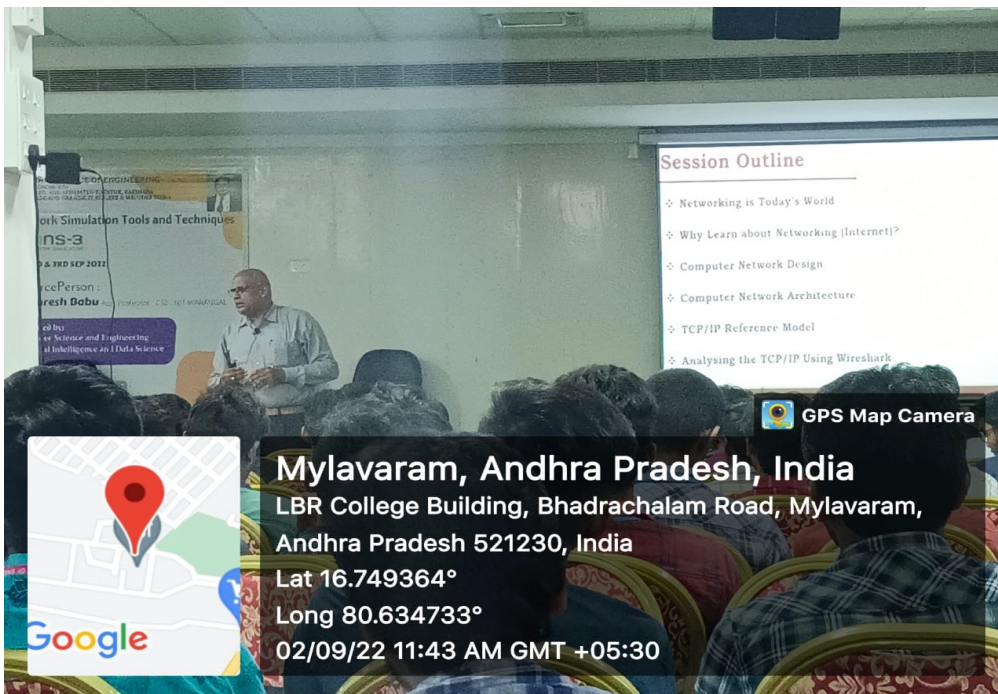# Gallery of the Guest Lecturer

Inauguration Session of 2-day work shop

Students Listening to Resource person Dr. E. Suresh Bahu

Resource Person Delivering Content

Felicitation of Resource person at the end of workshop

Dr O. Rama Devi

(Head of the Department)