



GNITS	GNITS-D/ECE/IETE/28.2/00
Departmental Technical Association	Department :ECE



IETE STUDENT FORUM

Date: 29/08/2019.

Report On 2x2 MIMO Workshop

3 days workshop on 2x2 MIMO using NI USRP 2920 with hands on session conducted on 23-8-2019, 26-8-2019 and 27-8-2019 for both students and faculty of ECE Dept.

Name of the resource persons:

- 1) Nilutpal Choudhury, CEO & Foundar, AVGAEDE System
- 2) Vijay Chandan.A, Sr.Field Application Engineer

Day 1

- Introduction to Lab View

Day 2

- USRP Architecture
- USRP Device drivers programming
- Simple Tx-Rx using USRP
- Introduction to modulation tool kit mathscript RT module
- Design of FM demodulator using modulation tool kit and mathscript RT
- Implement a m-PSK Tx-Rx using USRP

Day 3

- Spectrum sensing using basic energy threshold algorithm
- Timing and synchronization for a MIMO system

PRESIDENT:

Dr. B. Venkateshulu
HOD,ECE

FACULTY ADVISORS:

Mr. Y Rakesh Kumar,
Mr. Y.Prakash

VICE PRESIDENT:

B. Srilekha

SECRETARY:

Rapolu Harshitha

JOINT SECRETARY:


D. Shreya

TREASURER:

Hiraaya

MEMBERS:

Male Bhavyanjali	2/4ECE-A
Gajawada Ruchitha	2/4ECE-A
Vanjari Mastiyar	2/4ECE-B
D. Shreya	2/4ECE-B
Hiranya	2/4ECE-B
Nini Muly	2/4ECE-C
Mukka Srihitha	2/4ECE-C
Nadimatla Rishika	3/4ECE-A
Sana Tabassum	3/4ECE-A
Y. Chareeshma	3/4ECE-B
K. Niharika	3/4ECE-B
L. Kshama Aditi	3/4ECE-C
Rapolu Harshitha	3/4ECE-C
G. Shreyaa	4/4ECE-A
P. RojaTejaswini	4/4ECE-A
B.Srilekha	4/4ECE-B
G. Bhuvana Sri	4/4ECE-B
G.Anusha	4/4ECE-C
Thota Ahravani	4/4ECE-C


(Mr. Y Rakesh Kumar)/(Mr. Y.Prakash)
Faculty Advisor


(Dr. B. Venkateshulu)
HOD, ECE