

NIRMA UNIVERSITY
SCHOOL OF TECHNOLOGY, INSTITUTE OF TECHNOLOGY
M. Tech. in Electronics & Communication Engineering (Embedded System)
M.Tech Semester - I

L	T	Practical component				C
		LPW	PW	W	S	
-	-	2	-	-	-	1

Course Code	6EC206
Course Title	Embedded Networking Laboratory

Course Learning Outcomes (CLOs):

At the end of the course, students will be able to -

1. Interface microcontroller/microprocessor using popular buses
2. Experiment with network of devices using popular network standards.

Lab Experiments based on serial/parallel port communication, IP based network programming, bus protocols like SPI, I2C, I2S. Wireless network programming using WiFi, Bluetooth and Zigbee standards, Use of Python and Scripting Language for programming.