NIIST BHOPAL		NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY	FORM NO	NIIST/A/10
BRANCH	EC	DEPT NAME: ELECTRONICS & COMM.	REV. NO	0
SEMESTER	VI	LIST OF EXPERIMENT	REV. DT	09/01/2014
SUBJECT NAME : DSP			SUBJECT CODE: EC - 601	

S. NO.	EXPERIMENT NO.	AIM OF EXPERIMENT
1	EXP. I	To develop elementary signal function modules (m-files) for unit sample, unit step, exponential and unit ramp sequences.
2	EXP. II	To write a MATLAB program to compute linear convolution of two given Sequences.
3	EXP. III	To develop program for computing circular convolution.
4	EXP. IV	To develop program for discrete convolution and correlation.
5	EXP. V	To develop program for finding the response of the LTI system by difference equation.
6	EXP. VI	To develop program for computing inverse Z-transform.
7	EXP. VII	To develop program for finding the magnitude and phase response of LTI system described by the system function h(z).
8	EXP. VIII	To develop program for computing discrete Fast Fourier Transform (FFT).
9	EXP. IX	To develop program for designing of Butterworth Low Pass IIR filter.
10	EXP. X	To develop program for designing of Chebyshev -I High Pass IIR filter

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BRANCH	EC	DEPT NAME: ELECTRONICS & COMM.	REV. NO	0
SEMESTER	VI	LIST OF EXPERIMENT	REV. DT	09/01/2014
SUBJECT NAME : ANTENNA AND WAVE PROPAGATION			SUBJECT CODE: EC - 602	

S. NO.	EXPERIMENT NO.	AIM OF EXPERIMENT
1	EXP. I	To study different type of antenna.
2	EXP. II	To plot the radiation pattern of an Omni-direction antenna.
3	EXP. III	To plot the radiation pattern of the direction antenna.
4	EXP. IV	To plot the phenomenon of polarization of vertically, horizontally and circularly polarized antenna.
5	EXP. V	To study the resonant and non resonant antenna and calculate the resonant frequency and estimate the VSWR of antenna.
6	EXP. VI	To demonstrate that the Transmitting and Receiving radiation patterns of an antenna are equal and hence confirm the reciprocity of antennas.
7	EXP. VII	To study the current distribution along the element of an antenna.
8	EXP. VIII	To study the dipole or folded dipole.
9	EXP. IX	To study of Yagi Uda antenna.
10	EXP. X	To write a program using MATLAB for radiation pattern of half wave dipole.

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BRANCH	EC	DEPT NAME: ELECTRONICS & COMM.	REV. NO	0
SEMESTER	VI	LIST OF EXPERIMENT	REV. DT	09/01/2014
SUBJECT NAME : DATA COMMUNICATION			SUBJECT CODE: EC - 605	

S. NO.	EXPERIMENT NO.	AIM OF THE EXPEIMENT
1.	EXP. I	To study various multiplexing Techniques.
2.	EXP. II	To study of Network interface Card (NIC).
3.	EXP. III	To study of Parallel and Serial Transmission.
4.	EXP. IV	To study of NRZ and RZ Codes.
5.	EXP. V	To study of Different types of Modem.
6.	EXP. VI	To study of Integrated services Digital Network
7.	EXP. VII	To study of twisted pair,Coaxial Cable and Fibre Cable.
8.	EXP. VIII	To study of Digital Interface RS-232
9.	EXP. IX	To study Different Topologies.
10.	EXP. X	To study LAN using Star Topology.

NIIST BHOPAL		NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY	FORM NO	NIIST/A/10
BRANCH	EC	DEPT NAME: ELECTRONICS & COMM.	REV. NO	0
SEMESTER	VI	LIST OF EXPERIMENT	REV. DT	09/01/2014
SUBJECT NAME : MICROPROCESSOR & EMBEDDED SYSTEM			SUBJECT CODE: EC - 606	

S. NO.	EXPERIMENT NO.	AIM OF EXPERIMENT
1	EXPERIMENT NO-I	To study external architecture of 8086.
2	EXPERIMENT NO-II	Add/subtract/multiply and division of data byte located at offset 0500H in 2000H segment to another data byte stored at 0600H in same segment.
3	EXPERIMENT NO-III	Add data byte located at offset 1000H in 5000H segment to another data byte stored at 2000H in same segment and store the result in 3000H in same segment.
4	EXPERIMENT NO-IV	Write a program to add digits between 0 to 10.
5	EXPERIMENT NO-V	Write a program to transfer data byte from location 3000H: 1000H, 1001H, 1002H to location 5000H: 1000H, 1001H, 1002H.
6	EXPERIMENT NO-VI	Write a program to find a maximum number in a given string (16 bytes long) and store it in location 0510H.
7	EXPERIMENT NO-VII	Write a program to display a message “GOOD 51” on pc screen using 8051 trainer kit.
8	EXPERIMENT NO-VIII	Write a program to control the motor in clockwise direction using IC-14 DC controller interfacing device.
9	EXPERIMENT NO-IX	WAP to move data string from the offset add. 0200H to 0300H in the segment 7000H. Length of the string is 10.