

# MATLAB & PROCESSING SIMMULATION LAB (Pr- 03)

Date of Commencement of classes: 14.03.2022

Date of Closing of classes: 11.06.2022

## LIST OF MONTH WISE AVAILABLE WEEKS

Sl. No.	Month	Week-wise no. of academic days available					Total no. of weeks
		Week- 1	Week- 2	Week- 3	Week- 4	Week- 5	
1	March	--	--	4	6	3	03
2	April	2	5	4	4	6	05
3	May	5	4	4	5	2	05
4	June	4-1	6	--	--	--	02
<b>Total</b>		<b>10</b>	<b>15</b>	<b>12</b>	<b>15</b>	<b>11</b>	<b>15</b>

## NO. OF AVAILABLE CLASSES PER WEEK/ MONTH

Sl. No.	Month	No. of available weeks	Week-wise no. of Lab Classes available					Total no. of Lab Classes
			Week- 1	Week- 2	Week- 3	Week- 4	Week- 5	
1	March	03	--	--	1	1	1	03
2	April	05	1	1	1	1	1	05
3	May	05	1	1	1	1	1	05
4	June	02	1	1	--	--	--	02
<b>Total</b>		<b>15</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>15</b>

## EXPERIMENT-WISE DISTRIBUTION OF PERIODS

Sl. No.	Name of the Experiment	Required no. of Lab Classes	Expected Marks
01	To represent basic signals like unit step.	1	04
02	To represent basic signals like Exponential	2	04
03	To perform convolution between two vectors using MAT lab.	2	04
04	To compute DFT of given sequence using MAT lab.	2	04
05	To compute IDFT of given sequence using MAT lab.	2	04
06	To design IIR Butterworth band pass filter using MAT lab.	2	05
<b>TOTAL</b>		<b>11</b>	<b>25</b>

Sign of Lab I/C

Sign of HOD

Sign of AIC

Sign of Vice Principal

## LESSON PLAN

Name of the Month	Week No.	Class day	Details of Practical Topics
M A R C H	3 <sup>rd</sup>	1 <sup>st</sup>	To represent basic signals like unit step.
	4 <sup>th</sup>	1 <sup>st</sup>	To represent basic signals like Exponential
	5 <sup>th</sup>	1 <sup>st</sup>	
A P R I L	1 <sup>st</sup>	1 <sup>st</sup>	To perform convolution between two vectors using MAT lab.
	2 <sup>nd</sup>	1 <sup>st</sup>	
	3 <sup>rd</sup>	1 <sup>st</sup>	To compute DFT of given sequence using MAT lab.
	4 <sup>th</sup>	1 <sup>st</sup>	
	5 <sup>th</sup>	1 <sup>st</sup>	To compute IDFT of given sequence using MAT lab.
M A Y	1 <sup>st</sup>	1 <sup>st</sup>	To design IIR Butterworth band pass filter using MAT lab.
	2 <sup>nd</sup>	1 <sup>st</sup>	
	3 <sup>rd</sup>	1 <sup>st</sup>	
	4 <sup>th</sup>	1 <sup>st</sup>	Practice
	5 <sup>th</sup>	1 <sup>st</sup>	Practice
J U N E	1 <sup>st</sup>	1 <sup>st</sup>	Practice
	2 <sup>nd</sup>	1 <sup>st</sup>	Practice