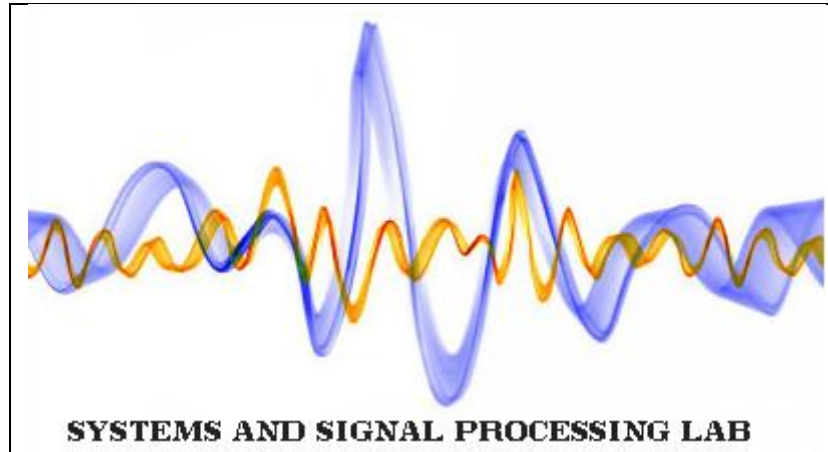


# SYSTEMS AND SIGNAL PROCESSING LAB.



## Objective:

The objective of this laboratory is to study the signals and systems in real time applications. This lab is well equipped with advanced software and hardware equipment to extract the valued information from signals in the fields of image processing and communications.

**Area of the Lab: 65.78 Sqm**

## Details of the Equipment:

S. No	Name of The Equipment	Qty	Cost in Rs.
<b>Hardware (Systems, DSP Processors &amp; Accessories)</b>			
1	LENOVO DESKTOP Edge – 73– 10 ASA07TIH @ Intel H81, Core i3 Processor, 4GB DDR3 RAM, 500GB HDD, 18.5” LED Monitor.	30	8,59,500.00
2	HP Pro Desktop - INTEL(R) COR(TM) I3-2100 CPU @3.10GHz, 3.09GHz, 17”-LED.	06	1,47,000.00
3	DSP KITS (DSK) TMS320C6711 with Code Composer Studio.	10	3,01,570.00
4	DSP Starter Kit (DSK) TMS320C6713 with Code Composer Studio.	01	2,00,000.00
5	DSP Starter Kit (DSK) TMS320C6416 with Code Composer Studio.	01	
6	Finger Print Development Kit Based on C5515.	01	
7	Image Daughter Card with Camera & Accessories.	01	
8	4 Channel Audio Daughter Card	01	
9	APC ONLINE UPS 6 KVA	01	1,06,771.00
10	TMS320C6748 DSP Development Kit	04	1,24,004.00

<b>Software's</b>			
11.	Matlab 9.0	100	8,08,012.00
	Simulink 8.7	50	
	Tool Boxes		
	Image Processing Toolbox 9.4	05	
	DSP System Toolbox 9.2	05	
	Signal Processing Toolbox 7.2	05	
	Communications System Toolbox 6.2	05	
	Fuzzy Logic Toolbox 2.2.23	05	
	Neural Network Toolbox 9.0	05	
	Control System Toolbox 10.0	05	
	Simscape 4.0	05	
	Simscape Power System 6.5	05	
12.	Multisim 11.0(Unlimited)		---
<b>Total</b>			<b>25,46,857.00</b>

### Lab Cost:

S.No	Academic Year	Expenditure during this Year	Total Expenditure
1	2020-21	Rs 83,700.14	Rs 83,700.14
2	2019-20	---	---
3	2018-19	Rs 2,62,504	Rs 2,62,504
4	2017-18	Rs .1,02,533	Rs .1,02,533
5	2016-17	Rs 9,79,313	Rs 9,79,313
6	2015-16	Rs.8,64,300	Rs.8,64,300





<b>Lab Mentor</b>	: Mr.B.Ramesh Reddy,Professor
<b>Lab In-charge</b>	: Mr. T. Anil Raju , Associate Professor
<b>Lab Co In-charge</b>	: Mr. B. Rajeswari, Sr. Asst. Professor
<b>Lab Technician</b>	: Mr. Y. Chinna Jamalaiah
<b>Lab Helper</b>	: Mr. M.Ravi