



Sir.M.Visvesvaraya Institute of Technology Bengaluru - 562157

Approved by AICTE | Affiliated to VTU Belagavi | Accredited by NAAC

Department of Electronics & Communication Engineering

**Sub Name: ANALOG CIRCUITS LAB
Sem:4**

Sub Code: 18ECL48

Sl. No.	Experiment/Program	Video Link
PART A		
1.	Asymmetrical ASTABLE MULTIVIBRATOR i)Theoretical Explanation ii)Practical	i) https://youtu.be/iJYm_BGqa1A ii) https://youtu.be/A5PINI0LJic
2.	MONOSTABLE MULTIVIBRATOR i)Theoretical Explanation ii)Practical	i) https://youtu.be/ypV6gdIJJU4 ii) https://youtu.be/Q717wK8YrxU
3.	R-2R DAC	https://youtu.be/St-gNgPN5NM
PART B		
4	Band stop filter	https://youtu.be/I1A1Vflv2C8
5	Band Pass filter	https://youtu.be/KnIydO_DUh0
6	RC Phase shift oscillator	https://youtu.be/zS6XWnwyu_g
7	Hartley Oscillator	https://youtu.be/mqjVbzh80bs
8	Half wave Rectifier	https://youtu.be/sGFqDD3hh5c
9.	Low Pass filter and High Pass filter	https://drive.google.com/file/d/12eP6arL-CbUvdc71M0IzHILBOGo3fFYy/view

Sub Name: MICROCONTROLLER LAB

Sub Code: 18ECL47



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Sem:4

Sl. No.	Experiment/Program	Video Link
1	Write an assembly language program to find the largest element in a given array of N = ___ h bytes at location 8500 h. Store the largest element at location 8517 h.	https://drive.google.com/open?id=1bnpKMdCfF3KNXf2TSzIfosjeJdwX31wi
2	Write an assembly language program to convert a BCD number into ASCII	https://drive.google.com/open?id=1Rk1ete3G3dxmTENHCG1sVx8y9xebQ_f-
3	Write an assembly language program to convert a decimal number into binary (hex).	https://drive.google.com/open?id=1QHUWfE9syuWHf64N_VYqIkPls9CYoffE
4	Write an assembly language program to implement (display) an eight bit UP/DOWN BCD counter on watch window.	https://drive.google.com/open?id=1sUVxe-gYiGUzNaqyyy3B3iTjEuekszB
5	Write an ALP to compute the following. IF X=0; THEN NUM1 (AND) NUM2, IF X=1; THEN NUM1 (OR) NUM2, IF X=2; THEN NUM1 (XOR) NUM2, ELSE RES =00, RES IS 23H LOCATION Using logical instructions in byte level.	https://drive.google.com/open?id=18RxTISQhpnCFwZM5cDioOUQVKv-wcu3j

Sub Name: Embedded Controller Lab

Sub Code:17ECL67



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Sem:6

Sl. No.	Experiment/Program	Video Link
1.	External Interrupt to toggle the LED ON/OFF	https://drive.google.com/file/d/1rGQVvjDeq_kbp0DkSv30444xldGn6CTB/view?usp=sharing
2.	Display HEX digits 0-F on a 7 segment LED interface, with appropriate delay in between	https://www.youtube.com/watch?v=LwqacEM_z5I&feature=youtu.be
3.	Interface DAC and generate Square and Triangular waveforms	https://youtu.be/cI_leJxId78

**Sub Name: CN LAB
Sem:6**

Sub Code: 17ECL68



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Sl. No.	Experiment/Program	Video Link
1.	Part A:Implement Ethernet LAN using n nodes and obtain Congestion Window for different sources/destinations	https://youtu.be/e1fyEsv5yYA
2.	Part B:Distance vector Routing Protocol	https://youtu.be/QezjexFHyO8
3.	Part B:CRC- CCITT	https://youtu.be/pLHrY5qJjJg
4.	Part B: Dijkstra's Algorithm	https://youtu.be/ByV516v9Oa0
5.	Part B:Stop and Wait Protocol	https://youtu.be/yXcpDcOev8s