

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

E&CE DEPARTMENT

Faculty: Shilpa Biradar

Sl.no	Semester	Course	Topic	Youtube links
1	VI	ARM Microcontroller & Embedded Systems	Introduction to Embedded systems	https://youtu.be/u4i9jl3bi_c
			Typical embedded sytem	https://youtu.be/0UNCdl_nfMY
			Embedded System components	https://youtu.be/w92B4kVz_1k

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

E&CE DEPARTMENT

Faculty: Dr.Savita Soma

Sl.no	Semester	Course	Topic	Youtube links
1	VIII	Fiber Optics and Networks	WDM concepts and components	https://www.youtube.com/watch?v=5VqVsOsXyZ0
2			Introduction to Fiber Optics and Networks	https://youtu.be/ZsWomUND-78
9	IV	AC Lab(18ECL48)	Colpitts Oscillator	https://www.youtube.com/watch?v=PIKSfjeM3Dc
10			Precision HWR using Multisim	https://www.youtube.com/watch?v=MNii-5RxH8I
11			Astable Multivibrator	https://youtu.be/sFkvWfbsimk
12			Precision HWR using Multisim	https://youtu.be/rC3ctfl3sdw

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

E&CE DEPARTMENT

Faculty: Dr.Premala

Sl.no	Semester	Course	Topic	Youtube links
1	VIII	Network Security (17EC835)	IP Security;ISAKMP	https://youtu.be/4A5UKcju3G4
			IPSecurity Associatin	https://youtu.be/IxCIggQ_dOA
			Key Management	https://youtu.be/w4pRWrwXDoE
2	VI	CNLab (17ECL68)	Introduction to CN lab using NS2 Simulator	https://youtu.be/h1ND-TPWcb
			Three node point to point Connection Network	https://youtu.be/h1ND-TPWcbI
			Four Node point to point Network with given links	https://youtu.be/JFnKz-X2JgY

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

E&CE DEPARTMENT

Faculty: Dr.Veerendra Dakulagi

Semester	Course	Topic	Youtube links
IV	Microcontroller	8051 Instruction Sets	https://sites.google.com/view/vdakulagi/youtube-channel?authuser=0
		Generation of Square Waves	https://sites.google.com/view/vdakulagi/youtube-channel?authuser=0
		8051 Timers and counters	https://sites.google.com/view/vdakulagi/youtube-channel?authuser=0
		Square Wave Generation using 805 Timers	https://sites.google.com/view/vdakulagi/youtube-channel?authuser=0
		Tutorials on 8051 MC	https://www.youtube.com/watch?v=T9D-3IKt3b8

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

E&CE DEPARTMENT

Faculty: Mrs.Namratha

Semester	Course	Topic	Youtube links
IV	Analog circuits lab(18ECL48)	Band Pass filter	https://www.youtube.com/watch?v=J1L-16WZIAE
		RC phase shift oscillator	https://www.youtube.com/watch?v=wK-ypwyw5Kw&t=325s
		Hartley Oscillator	https://www.youtube.com/watch?v=GD6hm7q-2DE&t=6s
		Analog lab experiment	https://www.youtube.com/watch?v=rSoS2AyBw-k&t=98s
VIII	Wireless Cellular and LTE 4G broadband(17EC81)	LTE radio interface protocols	https://www.youtube.com/watch?v=uXzuWT3bbH8&t=103s
		WC <E design principles	https://www.youtube.com/watch?v=eGBbf9lxbhs&t=18s

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

E&CE DEPARTMENT

Faculty: Dr.Praveen Reddy

Sl.no	Semester	Course	Topic	Youtube links
1	VII	VLSI Design	Lambda Based design process	https://youtu.be/cIYhNBGCUGU
2			Stick Diagram	https://www.youtube.com/watch?v=0QfxfyGDTHY&t=147s
3			Scaling Models and scaling factors of device parameters	https://www.youtube.com/watch?v=bjVRWU1NSAk&t=524s
4			Subsystem Design Process	https://www.youtube.com/watch?v=0x4IjJM-eg8&t=186s
5			VLSI Stick Diagram	https://www.youtube.com/watch?v=inUsUVbMS9Q&t=708s
6			VLSI Basics	https://www.youtube.com/watch?v=wwNyB58Ws5E
7	VI	DSS	Electronic switching	https://www.youtube.com/watch?v=olKvXJbXAF0&t=36s

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

E&CE DEPARTMENT

Faculty: Mrs.Soni.M

Semester	Course	Topic	Youtube links
IV	Analog circuits lab(18ECL48)	Band Pass filter	https://www.youtube.com/watch?v=J1L-16WZIAE
		RC phase shift oscillator	https://www.youtube.com/watch?v=wK-ypwyw5Kw&t=325s
		Hartley Oscillator	https://www.youtube.com/watch?v=GD6hm7q-2DE&t=6s
		Analog lab experiment	https://www.youtube.com/watch?v=rSoS2AyBw-k&t=98s
VIII	Wireless Cellular and LTE 4G broadband(17EC81)	LTE radio interface protocols	https://www.youtube.com/watch?v=uXzuWT3bbH8&t=103s
		WC <E design principles	https://www.youtube.com/watch?v=eGBbf9lxbhs&t=18s