

Video records of specified topics

2.2.1 The institution assesses students’ learning levels and organizes special programmes for both slow and advanced learners

S.No	Additional Proof	Page
1	B.Tech (Civil Engineering)	2-2
2	B.Tech (Electrical & Electronics Engineering)	3-4
3	B.Tech (Mechanical Engineering)	5-6
4	B.Tech (Electronics & Communication Engineering)	7-8
5	B.Tech (Computer Science Engineering)	9-11

GMRIT INSTITUTE OF TECHNOLOGY
Department of Civil Engineering
Video Lecture Links (Lecture Capturing System)

AY: 2022-2023

(1) Foundation Engineering(20CE503)

<https://lcs.gmr.it.edu.in/ilc/#/video/id/5379185>

<https://lcs.gmr.it.edu.in/ilc/#/video/id/5379270>

(2) Geometric Design and Highway Materials(20CEC21)

<https://lcs.gmr.it.edu.in/ilc/#/video/id/5575414>

<https://lcs.gmr.it.edu.in/ilc/#/video/id/5530675>

(3) Design and Detailing of RC Structures (21CE501)

<https://lcs.gmr.it.edu.in/ilc/#/video/id/5429660>

<https://lcs.gmr.it.edu.in/ilc/#/video/id/5525626>

(4) Building Services(20CEC12)

<https://lcs.gmr.it.edu.in/ilc/#/video/id/5686451>

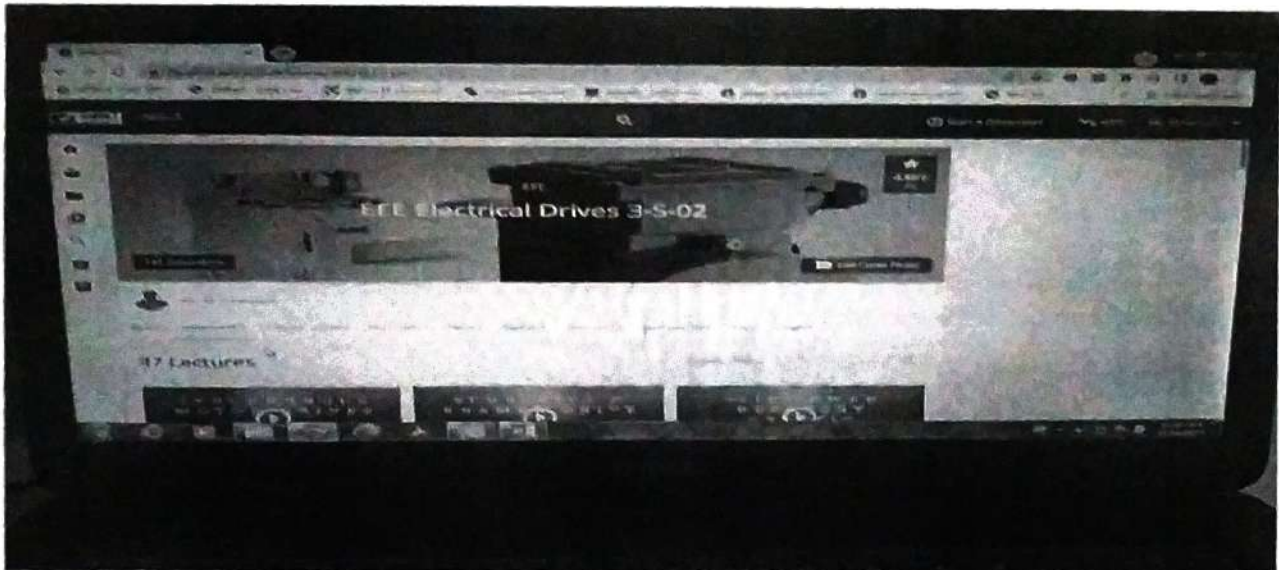
<https://lcs.gmr.it.edu.in/ilc/#/video/id/5689545>


HoD-Civil

Department of Electrical and Electronics Engineering

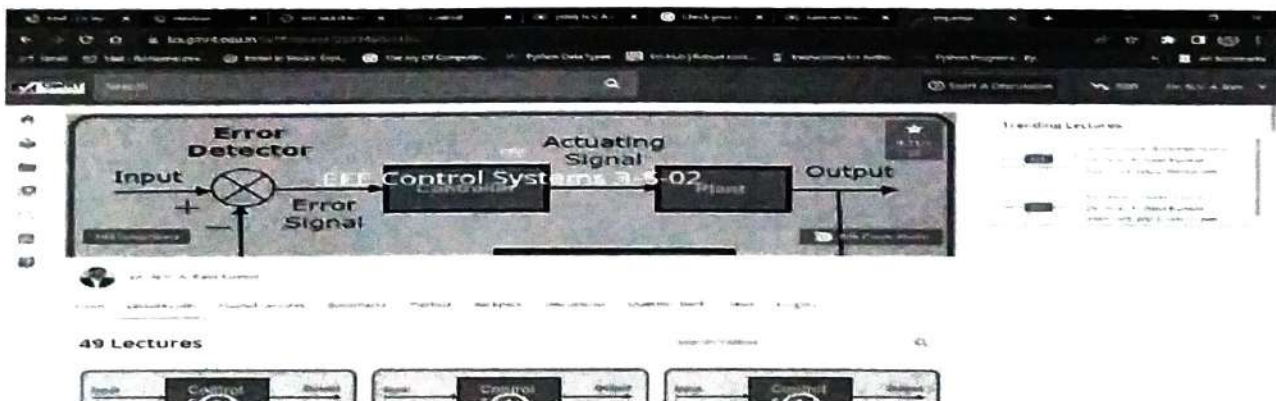
AY:2022-23

5th sem: ELECTRICAL DRIVES



1. <https://lcs.gmr.it.edu.in/ilc/#/video/id/5435608>
2. <https://lcs.gmr.it.edu.in/ilc/#/video/id/5482044>
3. <https://lcs.gmr.it.edu.in/ilc/#/video/id/5503561>
4. <https://lcs.gmr.it.edu.in/ilc/#/video/id/5556351>
5. <https://lcs.gmr.it.edu.in/ilc/#/video/id/5561502>

5th sem :Control Systems



1. <https://lcs.gmr.it.edu.in/ilc/#/video/id/5390530>
2. <https://lcs.gmr.it.edu.in/ilc/#/video/id/5451107>
3. <https://lcs.gmr.it.edu.in/ilc/#/video/id/5493866>
4. <https://lcs.gmr.it.edu.in/ilc/#/video/id/5561107>
5. <https://lcs.gmr.it.edu.in/ilc/#/video/id/5589401>


HOD-EEE

6th sem: Utilization of Electrical Energy



1. <https://lcs.gmrit.edu.in/ilc/#/video/id/5713992>
2. <https://lcs.gmrit.edu.in/ilc/#/video/id/5743355>
3. <https://lcs.gmrit.edu.in/ilc/#/video/id/5851626>
4. <https://lcs.gmrit.edu.in/ilc/#/video/id/5851033>
5. <https://lcs.gmrit.edu.in/ilc/#/video/id/5838416>

6th sem: Power Electronic Applications to Green Energy Systems



1. <https://lcs.gmrit.edu.in/ilc/#/video/id/5713836>
2. <https://lcs.gmrit.edu.in/ilc/#/video/id/5728031>
3. <https://lcs.gmrit.edu.in/ilc/#/video/id/5732196>
4. <https://lcs.gmrit.edu.in/ilc/#/video/id/5742087>
5. <https://lcs.gmrit.edu.in/ilc/#/video/id/5746262>


HOD-EEE

Video Records of Lectures

1. Finite Element analysis 6th sem

<https://lcs.gmrit.edu.in/ilc/#/video/id/5657834>

2. Design of Machine Members-I (5th sem)

<https://lcs.gmrit.edu.in/ilc/#/video/id/5529098>

3. Fundamentals of Optimization Techniques (OE) 5th Sem

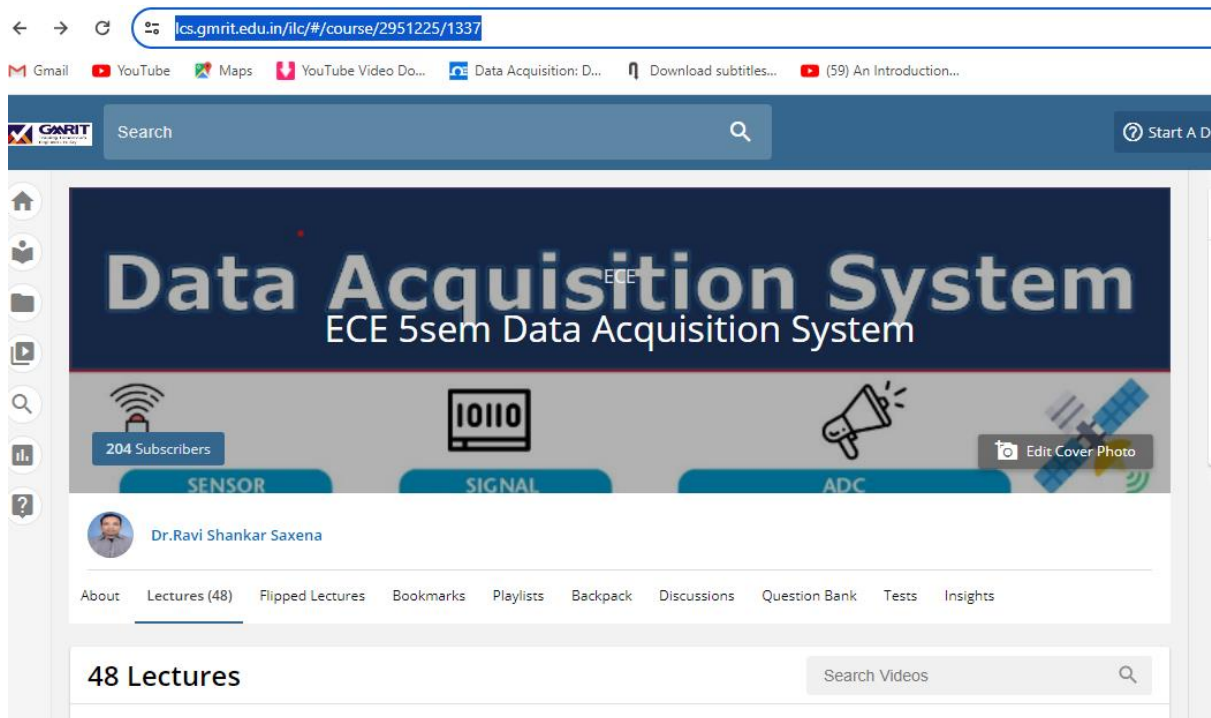
<https://lcs.gmrit.edu.in/ilc/#/video/id/5536317>

4. Fluid Mechanics 4th Sem

<https://lcs.gmrit.edu.in/ilc/#/video/id/5731716>

Subject: Data Acquisition system (5th Semester)

<https://lcs.gmrit.edu.in/ilc/#/course/2951225/1337>



Topic: Working Principle of thermistor

<https://lcs.gmrit.edu.in/ilc/#/video/id/6161362>

Topic: Frequency Ratiometer Working Principle

<https://lcs.gmrit.edu.in/ilc/#/video/id/6145221>

Topic: Dual Slope Integrating Type DVM

<https://lcs.gmrit.edu.in/ilc/#/video/id/6129930>

Subject: Antenna and Microwave Engineering (5th Semester)

<https://lcs.gmrit.edu.in/ilc/#!/course/2693438/1195>



Topic: Measurement of VSWR & Numerical Problems

<https://lcs.gmrit.edu.in/ilc/#!/video/id/5578383>

Topic: Working Principle Of 8 Cavity Magnetron

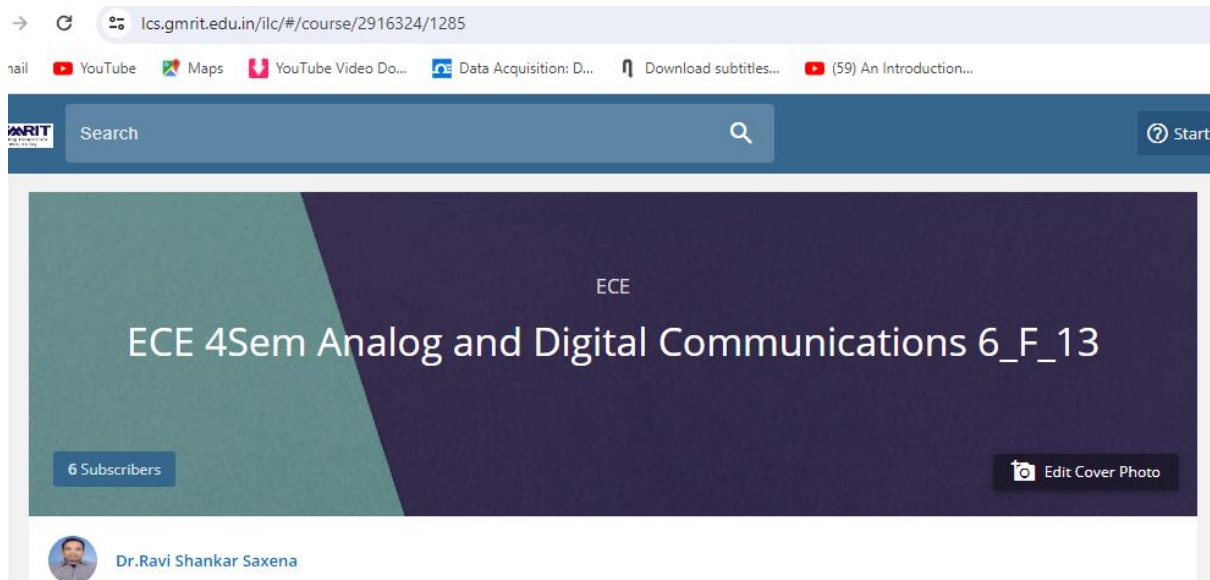
<https://lcs.gmrit.edu.in/ilc/#!/video/id/5559081>

Topic: H Plane Tees S Matrix

<https://lcs.gmrit.edu.in/ilc/#!/video/id/5506079>

Subject: Analog and digital communication (4th semester)

<https://lcs.gmrit.edu.in/ilc/#/course/2916324/1285>



Topic: Noise In Angle Modulation System

<https://lcs.gmrit.edu.in/ilc/#/video/id/5927036>

Topic: Delta Modulation & Demodulation

<https://lcs.gmrit.edu.in/ilc/#/video/id/5917496>

Topic: DPCM Transmitter

<https://lcs.gmrit.edu.in/ilc/#/video/id/5916712>

2.2.1.6. Video records of lectures (url /Links pasted on a document mentioning the semester-course-URL for topic 1,2,3 per semester at least two courses)

Department: CSE

Academic Year: 2022 – 23

Subject Name: Data Structures

Semester: 3rd

LCS Faculty name: Dr. M. Satish

Lecture No	Topic Name	Video URL
1	ADT List ADT	https://lcs.gmrit.edu.in/ilc/#/video/id/5473890
2	Implementation of List ADT	https://lcs.gmrit.edu.in/ilc/#/video/id/5478352
3	Implementation Of List Using Linked List	https://lcs.gmrit.edu.in/ilc/#/video/id/5480230
4	Singly Linked List	https://lcs.gmrit.edu.in/ilc/#/video/id/5482456
5	Singly Linked List Operations	https://lcs.gmrit.edu.in/ilc/#/video/id/5486418
6	Doubly Linked List	https://lcs.gmrit.edu.in/ilc/#/video/id/5491971
7	Circular Linked List	https://lcs.gmrit.edu.in/ilc/#/video/id/5493801
8	Applications of Lists	https://lcs.gmrit.edu.in/ilc/#/video/id/5500540
9	Polynomial Manipulations	https://lcs.gmrit.edu.in/ilc/#/video/id/5506554
10	Polynomial Operations	https://lcs.gmrit.edu.in/ilc/#/video/id/5508485
11	Binary Search	https://lcs.gmrit.edu.in/ilc/#/video/id/5511137
12	Stack Introduction	https://lcs.gmrit.edu.in/ilc/#/video/id/5521684
13	Stack Implementation using Arrays	https://lcs.gmrit.edu.in/ilc/#/video/id/5523689
14	Stack Implementation using Linked Lists	https://lcs.gmrit.edu.in/ilc/#/video/id/5530625
15	Infix to Postfix Conversion	https://lcs.gmrit.edu.in/ilc/#/video/id/5536488
16	Infix to Postfix Conversion	https://lcs.gmrit.edu.in/ilc/#/video/id/5538398
17	Infix To Postfix Conversion Implementation	https://lcs.gmrit.edu.in/ilc/#/video/id/5548381
18	Evaluation of Postfix Expression	https://lcs.gmrit.edu.in/ilc/#/video/id/5550744
19	Queue ADT	https://lcs.gmrit.edu.in/ilc/#/video/id/5552722
20	Queue Implementation Using Linked Lists	https://lcs.gmrit.edu.in/ilc/#/video/id/5565240
21	Applications of Queue	https://lcs.gmrit.edu.in/ilc/#/video/id/5567544

22	Tutorial	https://lcs.gmrit.edu.in/ilc/#/video/id/5570290
23	Bubble Sorting	https://lcs.gmrit.edu.in/ilc/#/video/id/5582827
24	Selection Sorting	https://lcs.gmrit.edu.in/ilc/#/video/id/5585109
25	Insertion Sorting	https://lcs.gmrit.edu.in/ilc/#/video/id/5587188
26	Shell Sorting	https://lcs.gmrit.edu.in/ilc/#/video/id/5588918
27	Quick Sorting	https://lcs.gmrit.edu.in/ilc/#/video/id/5590890
28	Radix Sorting	https://lcs.gmrit.edu.in/ilc/#/video/id/5592913
29	Merge Sorting	https://lcs.gmrit.edu.in/ilc/#/video/id/5595557
30	Implementation of Merge Sorting	https://lcs.gmrit.edu.in/ilc/#/video/id/5600718
31	Implementation of Radix Sorting	https://lcs.gmrit.edu.in/ilc/#/video/id/5603895
32	Hashing & Hash Functions	https://lcs.gmrit.edu.in/ilc/#/video/id/5605878
33	Open Hashing	https://lcs.gmrit.edu.in/ilc/#/video/id/5612299
34	Double Hashing, Rehashing	https://lcs.gmrit.edu.in/ilc/#/video/id/5624096
35	Trees Introduction: Terminology	https://lcs.gmrit.edu.in/ilc/#/video/id/5626135
36	Representation of Binary Trees	https://lcs.gmrit.edu.in/ilc/#/video/id/5626349
37	Binary Tree Traversals	https://lcs.gmrit.edu.in/ilc/#/video/id/5633350
38	Binary Search Trees	https://lcs.gmrit.edu.in/ilc/#/video/id/5640813
39	Introduction to AVL Trees	https://lcs.gmrit.edu.in/ilc/#/video/id/5643213
40	Inserting in AVL with Rotations	https://lcs.gmrit.edu.in/ilc/#/video/id/5645357
41	Deletions in AVL with Rotations	https://lcs.gmrit.edu.in/ilc/#/video/id/5653712
42	M-Way Trees	https://lcs.gmrit.edu.in/ilc/#/video/id/5656443
43	B Trees	https://lcs.gmrit.edu.in/ilc/#/video/id/5657916
44	B+ Trees	https://lcs.gmrit.edu.in/ilc/#/video/id/5660363
45	Introduction to Graphs	https://lcs.gmrit.edu.in/ilc/#/video/id/5662927
46	Breadth First Search	https://lcs.gmrit.edu.in/ilc/#/video/id/5667486
47	Heap: Binary Heap, Max Heap	https://lcs.gmrit.edu.in/ilc/#/video/id/5689820
48	Creating a Max Heap	https://lcs.gmrit.edu.in/ilc/#/video/id/5690451
49	Heap Sort	https://lcs.gmrit.edu.in/ilc/#/video/id/5692630
50	Tutorial	https://lcs.gmrit.edu.in/ilc/#/video/id/5699646

Semester: 4th

LCS Faculty name: Santhoshini Sahu

Lecture No	Topic Name	Video URL
1.	Hardware Implementation Of Logic Microoperations & Shift Microoperations	https://lcs.gmr.it.edu.in/ilc/#/video/id/5814170
2.	Hardware Implementaion Of Shift Microoperations, Computer Regisers	https://lcs.gmr.it.edu.in/ilc/#/video/id/5816406
3.	Common Bus Architecture	https://lcs.gmr.it.edu.in/ilc/#/video/id/5818609
4.	Computer Instructions	https://lcs.gmr.it.edu.in/ilc/#/video/id/5821006
5.	Instruction Cycle	https://lcs.gmr.it.edu.in/ilc/#/video/id/5822693
6.	Addressing Modes	https://lcs.gmr.it.edu.in/ilc/#/video/id/5828638
7.	Arithmetic Operations	https://lcs.gmr.it.edu.in/ilc/#/video/id/5837478
8.	Hardware Implementation of Arithmetic Operations	https://lcs.gmr.it.edu.in/ilc/#/video/id/5844111
9.	Multiplication	https://lcs.gmr.it.edu.in/ilc/#/video/id/5849243
10.	Booth Algorithm	https://lcs.gmr.it.edu.in/ilc/#/video/id/5851052
11.	Hardware Implementation Of Multiplication	https://lcs.gmr.it.edu.in/ilc/#/video/id/5851664
12.	Division	https://lcs.gmr.it.edu.in/ilc/#/video/id/5861731
13.	Hardware Implementation of Division	https://lcs.gmr.it.edu.in/ilc/#/video/id/5867907
14.	Addition And Subtraction, Multiplication Of Floating Point Numbers	https://lcs.gmr.it.edu.in/ilc/#/video/id/5870749
15.	Division Of Floating Point Numbers	https://lcs.gmr.it.edu.in/ilc/#/video/id/5872954
16.	Memory Hierarchy	https://lcs.gmr.it.edu.in/ilc/#/video/id/5888298
17.	Cache Memory	https://lcs.gmr.it.edu.in/ilc/#/video/id/5894397
18.	Cache Mapping Techniques	https://lcs.gmr.it.edu.in/ilc/#/video/id/5896333
19.	Modes of Transfer	https://lcs.gmr.it.edu.in/ilc/#/video/id/5910262
20.	DMA	https://lcs.gmr.it.edu.in/ilc/#/video/id/5913589
21.	CPU-IOP Communication	https://lcs.gmr.it.edu.in/ilc/#/video/id/5921109
22.	Interrupts	https://lcs.gmr.it.edu.in/ilc/#/video/id/5923146
23.	Types of Interrupts	https://lcs.gmr.it.edu.in/ilc/#/video/id/5931222
24.	Parallelism	https://lcs.gmr.it.edu.in/ilc/#/video/id/5935759
25.	Architecture Classification Scheme	https://lcs.gmr.it.edu.in/ilc/#/video/id/5940340
26.	Flynn's Classification	https://lcs.gmr.it.edu.in/ilc/#/video/id/5942463 https://lcs.gmr.it.edu.in/ilc/#/video/id/5944423
27.	Pipeline	https://lcs.gmr.it.edu.in/ilc/#/video/id/5969534