

Department of Electronics and Communication Engineering

Course Materials and Video Links

A well-structured collection of quality course materials is available to support and enhance learning and teaching in the field of Electronics and Communication Engineering. These resources are accessible via the following Google Drive link:

https://drive.google.com/drive/folders/1OuzuoXFv9fi5Uc0FDYs6ff2DPN0v7Xj_?usp=sharing

To complement these materials, our faculty members have developed a series of insightful video modules that explain key technical concepts in an accessible format. The link of the videos are given below.

S. No.	Course Title	Name of the Faculty
Name of the Faculty : Dr.D.Prabakaran		
Name of the Course: Soft Computing		
1.	Soft Computing Introduction-Part 1	https://www.youtube.com/watch?v=pL-2gStZVuE&pp=ygURcG9yaXlhYWxhbiBwYWtrYW0%3D
2.	Soft Computing Characteristics & Applications	https://www.youtube.com/watch?v=EVrZo5Jd3L8&pp=ygURcG9yaXlhYWxhbiBwYWtrYW0%3D
3.	Soft Computing ANN Introduction & Basics	https://www.youtube.com/watch?v=7oU-9ANTIYY&pp=ygURcG9yaXlhYWxhbiBwYWtrYW0%3D
4.	Soft Computing ANN Network Basics & Types	https://www.youtube.com/watch?v=dXTdupkCz78&pp=ygURcG9yaXlhYWxhbiBwYWtrYW0%3D
5.	ANN- Single & Multi Layer Perceptron	https://www.youtube.com/watch?v=UJfGf_fgPko&pp=ygURcG9yaXlhYWxhbiBw

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		YWtrYW0%3D
6.	ANN-Supervised & Unsupervised Learning	https://www.youtube.com/watch?v=RhqHhMzA1bs&pp=ygURcG9yaXlhYWxhbiBwYWtrYW0%3D
7.	Soft Computing Fuzzy Systems Intro	https://www.youtube.com/watch?v=74kDOI22LMo&pp=ygURcG9yaXlhYWxhbiBwYWtrYW0%3D
8.	Soft Computing Fuzzy Logic Sets and Operations	https://www.youtube.com/watch?v=3KV0D2exnpM&pp=ygURcG9yaXlhYWxhbiBwYWtrYW0%3D
9.	Fuzzy Systems	https://www.youtube.com/watch?v=kg_-Ex0ahxs&pp=ygURcG9yaXlhYWxhbiBwYWtrYW0%3D
Name of the Course: Computer Networks		
10.	Computer Networks-Practical Session-Implementation of LAN using Packet Raiser	https://www.youtube.com/watch?v=FPPh0v5Sa-U&pp=ygURcG9yaXlhYWxhbiBwYWtrYW0%3D
11.	Implementation of VLAN using Packet Tracer-Computer Networks	https://youtu.be/-6o2Ed6Wu5E?si=4K4w4QiDrgk1N6u5
12.	IPv4- Configure & Trouble Shoot- Cisco Packet Tracer-Computer Networks - Practical Component	https://youtu.be/QmdWobksOuU?si=tZmtIkD_yrA1zpAE
13.	NAT- Static NAT Configuration-Cisco Packet Tracer- Computer Networks- Practical Component	https://www.youtube.com/watch?v=rkQXiy4SA0I
14.	Static Routing Protocol- Cisco Packet Tracer- Computer Networks- Practical Component	https://www.youtube.com/watch?v=3aSqjoXg6pQ
15.	Subnetting- Create & Troubleshoot- Cisco Packet Tracer- Computer Networks- Practical Component	https://www.youtube.com/watch?v=Layf9ZHjw0
16.	Implementation of VLAN using Packet Tracer- Computer Networks- Practical Component	https://www.youtube.com/watch?v=-6o2Ed6Wu5E

S. No.	Course Title	Name of the Faculty
17.	Routing Information Protocol- Dynamic Routing- Packet Tracer-Computer Networks- Practical Component	https://www.youtube.com/watch?v=fExUtb9N-Dg
18.	Open Shortest Path First (OSPF)- Implementation using Packet Tracer- Computer Networks- Practical Component	https://www.youtube.com/watch?v=0i-5XHLb0_o
19.	Configuring DNS and Web Server- Packet Tracer- Computer Networks- Practical Component	https://www.youtube.com/watch?v=txDyh7RwDEA
Name of the Faculty : Mrs. M.Jayasudha		
Name of the Course: Programming in C		
1.	Conditional (Ternary) Operator in C	https://www.youtube.com/watch?v=ZQXRLogIMpU
2.	Assignment Operators in C	https://www.youtube.com/watch?v=Kb5t2ZgzNq8
3.	Logical Operators in C Real-Time Execution & Coding Demo	https://www.youtube.com/watch?v=h5QIla7UOv0&t=26s
4.	Relational Operators in C Real-Time Execution & Coding Demo	https://www.youtube.com/watch?v=GO TYD6pa-0w
5.	Types of operators in C-Arithmetic Operators	https://www.youtube.com/watch?v=O2BxTgJ0mpw
6.	Understanding Data Types & Variables in C	https://www.youtube.com/watch?v=y7xnms83c50

Simulation and Animation Links

Sl.No	Subject Name	Topic	URL
1.	Analog Communication	Amplitude Modulation	https://docs.google.com/document/d/13c6hPy8PgaY8RsKl_9jzK-Cz_ADs9x5K/edit?usp=drive_link&ouid=102263488018291541164&rtpof=true&sd=true
2.	Circuit Analysis	Transistor Model Parameters	https://drive.google.com/file/d/1I9Z-l4Z63A8WDjlWR342uH5HVbBzVhSz/view?usp=sharing
3.	Professional Ethics	Honesty	https://drive.google.com/file/d/1OXO1McQ3A6Xale_tcJceAP8GqG8pQyOE/view?usp=sharing
4.	Neural Networks	Creation of Simple Neural Network	https://docs.google.com/presentation/d/1VU8HIL_iFQheiZu87BoisZTOJKRTPZFb/edit?usp=sharing&ouid=100903931436339582763&rtpof=true&sd=true

These resources are made available not only for the benefit of IFET College of Engineering students but also to support learners and educators across other institutions. We encourage peer review and welcome constructive feedback to continuously improve our methods.

These resources are not only intended for IFETCE students but are also accessible to learners and educators from other institutions. It is open for peer review and critique.

Reviews and critiques can be submitted in the below mentioned link <https://forms.gle/ArBqD9jaJYGaz5SM7>

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