

IV semester CSE E-Learning Schedule

COURSE NAME: Complex Analysis, Probability and Statistical Methods [18MAT41]

COURSE COORDINATOR: Prof. Prabha

COURSE NAME: Design and Analysis of algorithms [18CS42]

COURSE COORDINATOR: Prof. Vijaykumar Dudhanikar

Module	Topics	PPT	Video Link	E Material	Date & Duration
Module-1: Introduction, Performance Analysis, Asymptotic Notations, Important Problem Types, Fundamental Data Structures	Introduction: What is an Algorithm? , Algorithm Specification	https://classroom.google.com/c/MjI1NDUzODExNDAw/m/MzI5NjkzMzE1MzU4/details	https://www.youtube.com/watch?v=-0IAPZzGSbME&list=PLDN4rrl48XKpZkf03iYFl-O29szjTrs_O	https://classroom.google.com/c/MjI1NDUzODExNDAw/m/MzI5NjkzMzE1MzU4/details	23/04/2021
	Analysis Framework	https://classroom.google.com/c/MjI1NDUzODExNDAw/m/MzI5NjkzMzE1MzU4/details		https://classroom.google.com/c/MjI1NDUzODExNDAw/m/MzI5NjkzMzE1MzU4/details	23/04/2021
	Performance Analysis: Space complexity, Time complexity	https://classroom.google.com/c/MjI1NDUzODExNDAw/m/MzI5NjkzMzE1MzU4/details	https://www.youtube.com/watch?v=-9TIHvipP5yA&list=PLDN4rrl48XKpZkf03iYFl-O29szjTrs_O&index=6	https://classroom.google.com/c/MjI1NDUzODExNDAw/m/MzI5NjkzMzE1MzU4/details	30/04/2021
	Asymptotic Notations: Big-Oh notation (O), Omega notation (Ω)	https://classroom.google.com/c/MjI1NDUzODExNDAw/m/MzI5NjkzMzE1MzU4/details	https://www.youtube.com/watch?v=-A03oI0znAoc&list=PLDN4rrl48XKpZkf03iYFl-O29szjTrs_O&index=11	https://classroom.google.com/c/MjI1NDUzODExNDAw/m/MzI5NjkzMzE1MzU4/details	30/04/2021

COURSE NAME: Operating Systems [18CS43]

COURSE COORDINATOR: Prof. Smitha

Module	Topics	PPT	Video Link	E Material	Date & Duration
Module-1: Introduction to operating systems, System structures, Operating System Services, Process Management	Introduction to operating systems, System structures: What operating systems do; Computer System organization; Computer System architecture;	https://classroom.google.com/c/MzI5Njk1Mjc5NTc0/p/MzMwMDUxMjkxMTAx/details	https://www.youtube.com/watch?v=gU7vXrfqygw	https://classroom.google.com/c/MzI5Njk1Mjc5NTc0/p/MzMwMDUxMjkxMTAx/details	23/04/2021
	Operating System structure; Operating System operations; Process management; Memory management; Storage management;	https://classroom.google.com/c/MzI5Njk1Mjc5NTc0/p/MzMwMDUxMjkxMTAx/details	https://www.youtube.com/watch?v=gU7vXrfqygw	https://classroom.google.com/c/MzI5Njk1Mjc5NTc0/p/MzMwMDUxMjkxMTAx/details	23/04/2021
	Protection and Security; Distributed system; Special-purpose systems; Computing environments.	https://classroom.google.com/c/MzI5Njk1Mjc5NTc0/p/MzMwMDUxMjkxMTAx/details	https://www.youtube.com/watch?v=gU7vXrfqygw	https://classroom.google.com/c/MzI5Njk1Mjc5NTc0/p/MzMwMDUxMjkxMTAx/details	30/04/2021
	Operating System Services; User - Operating System interface; System calls; Types of system calls; System programs; Operating system design and implementation; Operating System structure; Virtual machines; Operating System generation; System boot.	https://classroom.google.com/c/MzI5Njk1Mjc5NTc0/p/MzMwMDUxMjk3Mzc5/details	https://www.youtube.com/watch?v=IBT9nrpysJ8	https://classroom.google.com/c/MzI5Njk1Mjc5NTc0/p/MzMwMDUxMjk3Mzc5/details	30/04/2021

COURSE NAME: Microcontroller and Embedded Systems [18CS44]

COURSE COORDINATOR: Mahesh B L

	Topics	PPTs	Video Links	E-materials	Date
Module-1 Microprocessors versus Microcontrollers, ARM Embedded Systems	Microprocessors versus Microcontrollers,	Uploaded to google classroom	https://www.youtube.com/watch?v=rHsQg1YUt3Q	https://drive.google.com/file/d/15YMuVIF5_cd5Qy-B4t59NVcttqZZFqqM/view?usp=sharing	23/04/2021
	The RISC design Philosophy		https://www.youtube.com/watch?v=sy6DgaR5lR4		23/04/2021
	The ARM Design Philosophy		https://www.youtube.com/watch?v=u63JnIYKXDQ		30/04/2021
	Embedded System Hardware		https://www.youtube.com/watch?v=Hn0k_2-w1TI		30/04/2021

COURSE NAME: Object Oriented Concepts[18CS45]

COURSE COORDINATOR: Prof. Soumya Santhosha

Module	Topics	PPT	Video Link	E Material	Date & Duration
Module-1: Introduction to Object Oriented Concepts	A Review of structures, Procedure– Oriented Programming system	https://classroom.google.com/c/MzI2MDI5MTYxMTY5?cjc=rb4ax3x	https://www.youtube.com/watch?v=-BUyceo3mk	https://classroom.google.com/c/MzI2MDI5MTYxMTY5?cjc=rb4ax3x	24/04/2021
	Object Oriented Programming System, Comparison of Object-Oriented Language with C	https://classroom.google.com/c/MzI2MDI5MTYxMTY5?cjc=rb4ax3x	https://www.youtube.com/watch?v=8taT1L57-wg https://www.youtube.com/watch?v=y8OTRJ7Cvo&t=885s	https://classroom.google.com/c/MzI2MDI5MTYxMTY5?cjc=rb4ax3x	24/04/2021
	Console I/O, variables and reference variables, Function Prototyping, Function Overloading.	https://classroom.google.com/c/MzI2MDI5MTYxMTY5?cjc=rb4ax3x	https://www.youtube.com/watch?v=AZ-TCSFZCcc	https://classroom.google.com/c/MzI2MDI5MTYxMTY5?cjc=rb4ax3x	01/05/2021
	Class and Objects: Introduction, member functions and data, objects and functions.	https://classroom.google.com/c/MzI2MDI5MTYxMTY5?cjc=rb4ax3x	https://www.youtube.com/watch?v=wIXCFNuVjBY https://www.youtube.com/watch?v=ORSdbo3bi_A	https://classroom.google.com/c/MzI2MDI5MTYxMTY5?cjc=rb4ax3x	01/05/2021

COURSE NAME: Data Communication [18CS46]

COURSE COORDINATOR: Prof. Jamedar Najath

Module	Topics	PPT	Video Link	E Material	Date & Duration
Module-1:	Introduction: Data Communications, Networks, Network Types, Internet History, Standards and Administration,	https://classroom.google.com/c/MzI1NTEzMzYyNDMy?cjc=aamw2d7	https://www.youtube.com/watch?v=VwN91x5i25g&list=PLBlnK6fEyqRgMCUAG0XRw78UA8qnv6jEx&index=1	https://classroom.google.com/c/MzI1NTEzMzYyNDMy?cjc=aamw2d7	24/4/2021
	Networks Models: Protocol Layering, TCP/IP Protocol suite, The OSI model,	https://classroom.google.com/c/MzI1NTEzMzYyNDMy?cjc=aamw2d7	https://www.youtube.com/watch?v=ly8ikWtAY7s&list=PLBlnK6fEyqRgMCUAG0XRw78UA8qnv6jEx&index=3	https://classroom.google.com/c/MzI1NTEzMzYyNDMy?cjc=aamw2d7	24/4/2021

	<p>Introduction to Physical Layer-1:</p> <p>Data and Signals, Digital Signals,</p>	<p>https://classroom.google.com/c/MzI1NTEzMzYyNDMy?cjc=aamw2d7</p>	<p>https://www.youtube.com/watch?v=DRpo9_x27zM</p>	<p>https://classroom.google.com/c/MzI1NTEzMzYyNDMy?cjc=aamw2d7</p>	<p>1/5/2021</p>
	<p>Transmission Impairment, Data Rate limits, Performance.</p>	<p>https://classroom.google.com/c/MzI1NTEzMzYyNDMy?cjc=aamw2d7</p>	<p>https://www.youtube.com/watch?v=9L3q-mFjw8I</p>	<p>https://classroom.google.com/c/MzI1NTEzMzYyNDMy?cjc=aamw2d7</p>	<p>1/5/2021</p>