

V.S.B. ENGINEERING COLLEGE, KARUR
Department of Computer Science and Engineering
Academic Year: 2018-2019 (EVEN Semester)
NPTEL LINK

Subject Name: CS8451 Design and Analysis of Algorithm
Year/Semester: II / IV

S.No	Topic	NPTEL Website Link
1.	Framework for algorithms analysis	https://nptel.ac.in/courses/106101060/2
2.	Asymptotic Notations	https://nptel.ac.in/courses/106101060/4
3.	Algorithm Design Technique - Basics	https://nptel.ac.in/courses/106101060/5
4.	Divide and Conquer	https://nptel.ac.in/courses/106101060/6
5.	Greedy Technique	https://nptel.ac.in/courses/106101060/10

Subject Name: Database Management Systems
Year/Semester: II / IV

S.No	Topic	NPTEL Website Link
1.	Relational Model	https://nptel.ac.in/courses/106105175/5
2.	Application Design and Development	https://nptel.ac.in/courses/106105175/22
3.	Query Processing and Optimization II	https://nptel.ac.in/courses/106106093/16
4.	Concurrency Control	https://nptel.ac.in/courses/106105175/34
5.	Introduction data warehousing and OLAP	https://nptel.ac.in/courses/106106093/31

Subject Name: Software Engineering
Year/Semester: II / IV

S.No	Topic	NPTEL Website Link
1.	Introduction to software engineering	https://nptel.ac.in/courses/106101061/2
2.	Requirement Engineering / Specification	https://nptel.ac.in/courses/106101061/5
3.	Software Testing	https://nptel.ac.in/courses/106101061/18
4.	Software Metrics and Quality	https://nptel.ac.in/courses/106101061/21
5.	Verification and Validation	https://nptel.ac.in/courses/106101061/22

Subject Name: Operating Systems**Year/Semester: II / IV**

S.No	Topic	NPTEL Website Link
1.	System calls	https://nptel.ac.in/courses/106108055/12
2.	Semaphores	https://nptel.ac.in/courses/106106144/30
3.	Virtual memory	https://nptel.ac.in/courses/106108055/13 , https://nptel.ac.in/courses/106108055/14
4.	Files and allocation methods	https://nptel.ac.in/courses/106108055/35
5.	Deadlock prevention and deadlock detection	https://nptel.ac.in/courses/106104135/43

Subject Name: Probability and queuing theory**Year/Semester: II / IV**

S.No	Topic	NPTEL Website Link
1.	Markov Process	https://nptel.ac.in/courses/117103017/3
2.	Burke's Theorem	https://nptel.ac.in/courses/117103017/7
3.	M/M Type Queues	https://nptel.ac.in/courses/117103017/53
4.	Convolution algorithm	https://nptel.ac.in/courses/106106048/29
5.	Queuing theory	https://nptel.ac.in/courses/106106048/18

Subject Name: Computer Architecture**Year/Semester: II / IV**

S.No	Topic	NPTEL Website Link
1.	Introduction to Computer Architecture	https://nptel.ac.in/courses/106102062/1
2.	Instruction set Architecture	https://nptel.ac.in/courses/106102062/4
3.	Binary arithmetic, ALU design	https://nptel.ac.in/courses/106102062/11
4.	Multiplier Design	https://nptel.ac.in/courses/106102062/13
5.	Floating point Arithmetic	https://nptel.ac.in/courses/106102062/16