

V.S.B. ENGINEERING COLLEGE, KARUR

Department of Information Technology

Academic year: 2017-2018(EVEN)

VIDEOS LINKS

CS8251 - PROGRAMMING IN C

Basics of Programming Paradigm	https://www.youtube.com/watch?v=Ps8jOj7diA0&index=1&list=PLD28639E2FFC4B86A
Structure of C program	https://www.youtube.com/watch?v=UuFWYOnHwGM&list=PLcaMDiz5afIQ_5Ei1PTBJj6XL2nZV-nj
Sample C program	https://www.youtube.com/watch?v=YiiHNiSfmKI&list=PLcaMDiz5afIQ_5Ei1PTBJj6XL2nZV-nj&index=2
Formatted I/O Functions	https://www.youtube.com/watch?v=Y2vC3G8qVxw&list=PLcaMDiz5afIQ_5Ei1PTBJj6XL2nZV-nj&index=3
Looping statements	https://www.youtube.com/watch?v=FgfLXemFolo&list=PLcaMDiz5afIQ_5Ei1PTBJj6XL2nZV-nj&index=4
Array	https://www.youtube.com/watch?v=7ATGN54sSVQ&index=5&list=PLcaMDiz5afIQ_5Ei1PTBJj6XL2nZV-nj
Sorting	https://www.youtube.com/watch?v=IEOO5UToo6A&index=6&list=PLcaMDiz5afIQ_5Ei1PTBJj6XL2nZV-nj
Decision making statements	https://www.youtube.com/watch?v=8Ba7SgCN2XY&list=PLcaMDiz5afIQ_5Ei1PTBJj6XL2nZV-nj&index=8
Structure	https://www.youtube.com/watch?v=RsIP1gRneOs&index=10&list=PLcaMDiz5afIQ_5Ei1PTBJj6XL2nZV-nj

PH8252 PHYSICS FOR INFORMATION SCIENCE

Nano magnetic properties	https://www.youtube.com/watch?v=sITy14zCvI8 https://www.youtube.com/watch?v=QQZ6EGf0Ju8
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BE 8255 BASIC ELECTRICAL, ELECTRONICS AND MEASUREMENT ENGINEERING

Ohm's law, Kirchoff's law	http://www.nptel.ac.in
Network theorems	https://ocw.mit.edu/courses/electrical-engineering-and.../video-lectures/lecture-3
Electrical machines	www.nptelvideos.com/electrical_engineering
solar energy	www.nptel.ac.in/courses/112105051/
<i>wind energy</i>	www.nptel.ac.in/courses/108105058/24
<i>Electron devices and circuits - semiconductor devices</i>	www.nptel.ac.in/courses/117102061/
<i>Measurements</i>	www.nptel.ac.in/courses/112106138/

IT8201 INFORMATION TECHNOLOGY ESSENTIALS

Web application	https://www.youtube.com/watch?v=n5CQK1knRko
XAMPP in Windows	https://www.youtube.com/watch?v=XgGds-eb5dQ&list=PL7WFbgpeASD3kmW7h5qhGZGIWTOXG GbTZ
TCP/IP	https://www.youtube.com/watch?v=zzXs0EnCin0&list=PLAFCAE372BBF9F86D&index=2
Cellular network (Handoff)	https://www.youtube.com/watch?v=cJQZvxfDFug
Personal information system	https://www.youtube.com/watch?v=vvqL5x7BjxY

MA 6453 - PROBABILITY AND QUEUEING THEORY

Random Variables	https://www.youtube.com/watch?v=IHCpYeFvTs0
Covariance and Correlation	https://www.youtube.com/watch?v=d1YWP65-YEo
Random Process	https://www.youtube.com/watch?v=IYdiKeQ9xEI
Queuing Models	https://www.youtube.com/watch?v=l-rRtmNpdkU
Pollaczek Khinchin formula	https://www.youtube.com/watch?v=0PwbFgwysBs

MA 8251 MATHEMATICS –I

Matrices	http://nptel.ac.in/course/122104018/1
Vector Calculus	http://nptel.ac.in/downloads/122101003/
Analytic Functions	http://freevideolecture/course/3244/Advanced – Engineering-Mathematics/12
Complex Integrations	http://nptel.ac.in/course/111105035/12
Laplace Transform and Existence	http://nptel.ac.in/course/111105035/22

CS6401- OPERATING SYSTEMS

Cache Memory	https://study.com/academy/lesson/cache-memory-definition-lesson-quiz.html
<u>Cpu Scheduling Algorithms</u>	https://www.youtube.com/watch?v=xIQ31WcTgOo
Paging and Segmentation	https://www.youtube.com/watch?v=Gjfiuj3lm2o
File Allocation methods	https://www.youtube.com/watch?v=LWPMnCNd1q8
Linux OS	https://www.youtube.com/watch?v=I8ik8pDTgJE

CS6402-DESIGN AND ANALYSIS OF ALGORITHMS

Analysis of iterative and recursive algorithms	https://www.youtube.com/watch?v=xFRea6xyPgM&list=PLGdMwVKbjVQ8Ew7KUp65sRL9_k2_3xIKE&index=8
Merge sort - analysis	https://www.youtube.com/watch?v=Pzs15qv-xTk&index=14&list=PLGdMwVKbjVQ8Ew7KUp65sRL9_k2_3xIKE
Huffman codes	https://www.youtube.com/watch?v=yhPjST1w0mk&index=42&list=PLGdMwVKbjVQ8Ew7KUp65sRL9_k2_3xIKE
Linear Programming	https://www.youtube.com/watch?v=oktB3FeAkMQ&index=49&list=PLGdMwVKbjVQ8Ew7KUp65sRL9_k2_3xIKE
P and NP	https://www.youtube.com/watch?v=iBX_3wLreWc&index=55&list=PLGdMwVKbjVQ8Ew7KUp65sRL9_k2_3xIKE

EC 6504 & MICROPROCESSOR AND MICRO CONTROLLER

Introduction to 8086	http://slideplayer.com/slide/3944455/
8086 signals	https://www.youtube.com/watch?v=7o3q06Iknhw
Traffic Light control	https://www.youtube.com/watch?v=3HzlhmbqA4I
Stepper Motor	https://www.youtube.com/watch?v=TWMai3oirnM
Architecture of 8051	https://www.youtube.com/watch?v=1eYdfVa21dw

CS6403-SOFTWARE ENGINEERING

Introduction to Software Engineering	https://www.youtube.com/watch?v=Z6f9ckEEIsU&list=PL0eXJqlwBJ19L1gIo_94r93vvrphmcz8f
Process Modelling - DFD , Function	https://www.youtube.com/watch?v=mabRepmXLGA&index=9&list=PL0eXJqlwBJ19L1gIo_94r93vvrphmcz8f
Design Patterns	https://www.youtube.com/watch?v=1xUz1fp23TQ&list=PL0eXJqlwBJ19L1gIo_94r93vvrphmcz8f&index=15

Software Testing	https://www.youtube.com/watch?v=Q50ZyydS7pI&list=PL0eXJqlwBJ19L1gIo_94r93vvrphmcz8f&index=18
Project Management	https://www.youtube.com/watch?v=5pwc2DYIKQU&index=29&list=PL0eXJqlwBJ19L1gIo_94r93vvrphmcz8f

CS6601 - Distributed System

Examples of Distributed Systems	http://slideplayer.com/slide/9192593/
Interprocess communication in distributed systems	https://www.youtube.com/watch?v=5T4xZ9f7Bfc
Napster and its legacy	http://slideplayer.com/slide/6585431/
Timestamp ordering in distributed systems	https://www.youtube.com/watch?v=ZgZPmpzRzqE
Load Balancing Approach	https://www.linkedin.com/learning/windows-server-2012-active-directory-network-services/overview-of-the-network-load-balancing-nlb-cluster

IT6601 Mobile Computing

Medium Access Control	https://www.youtube.com/watch?v=sx0UPztiC5o
GSM Architecture	https://www.youtube.com/watch?v=rmzqiitKleE
Mobile IP	https://www.youtube.com/watch?v=Xm2AIfe8aZc
MANET Routing	https://www.youtube.com/watch?v=hvVLRnuXg9M
Vehicular Ad Hoc Networks	https://www.youtube.com/watch?v=hOM3-DHDI7U

Compiler Design

Introduction and various phases of compiler	https://www.youtube.com/watch?v=Qkwj65l_96I
Introduction to parsers and LL(1) parsing	https://www.youtube.com/watch?v=N9UuAPU6DAg
Examples on how to find first and follow in LL	https://www.youtube.com/watch?v=_uSIP91jmTM
LR parsing, LR(0) items and LR(0) parsing table	https://www.youtube.com/watch?v=APJ_Eh60Qwo
Conflicts and examples of CLR(1) and LALR(1)	https://www.youtube.com/watch?v=Nxj0g1mk5Ak

Artificial Intelligence

1.DFS and BFS	http://nptel.ac.in/courses/106106126/7
2.Game playing mini max search	http://nptel.ac.in/courses/106106126/27
3.Inference engines	http://nptel.ac.in/courses/106106126/31
4.Goal stack planning	http://nptel.ac.in/courses/106106126/35
5.Resolution refutation on pl	http://nptel.ac.in/courses/106106126/44

IT6602 - SOFTWARE ARCHITECTURES

Introduction to Software Architecture	https://www.youtube.com/watch?v=Rnlg6V-vlHw
Software Architecture Design	https://www.youtube.com/watch?v=gcs8_l3fkVo&list=PLhwVAYxlh5dusp7Y8-K-V0azc_KsCohEg
Software architecture with real time scenario	https://www.youtube.com/watch?v=nyisnHBJj5A

Software Architecture and Software Design	https://www.youtube.com/watch?v=i7aKW7YNOxY
Architectural Styles	https://www.youtube.com/watch?v=JLbo9Lvvy5M

GE6757 Total Quality Management

Total Quality Management (TQM)	https://www.youtube.com/watch?v=U7_0BCPFW_k
Concepts in Quality Management - I	https://www.youtube.com/watch?v=SMOQV2CyVQo
Quality Management in 3 Minutes	https://www.youtube.com/watch?v=kao1K30LXEK
Basic Tools in Quality Control	https://www.youtube.com/watch?v=hUHIDPKXcw4
What is Project Quality Management? Process, Tools and Techniques	https://www.youtube.com/watch?v=ygTz2TdtwcY

IT6801 Service Oriented Architecture

XML Schema	https://www.youtube.com/watch?v=lb_QLI9XJqU&list=PL_uaeekrhGzK2FapcTxvuuXOwCPSZvFn3&index=4
Introduction to Web Services	https://www.youtube.com/watch?v=-VkGQFoBJQ&list=PL_uaeekrhGzK2FapcTxvuuXOwCPSZvFn3&index=3
WS Standards SOAP	https://www.youtube.com/watch?v=O9ptIxIDTT4&index=7&list=PL_uaeekrhGzK2FapcTxvuuXOwCPSZvFn3
Web Services Registry UDDI	https://www.youtube.com/watch?v=U59r5ZTnuzc&list=PL_uaeekrhGzK2FapcTxvuuXOwCPSZvFn3&index=11
Web Processes BPEL	https://www.youtube.com/watch?v=C1aO8rND-Yo&index=13&list=PL_uaeekrhGzK2FapcTxvuuXOwCPSZvFn3

Professional Ethics in Engineering

Ethics and morals:	https://www.youtube.com/watch?v=k6kB8DD86KI&index=20&list=PLXcPnJsWbdxujUIptbSdeJXC0Jd-InxFG
Virtue ethics:	https://www.youtube.com/watch?v=LKT56VGjITI&list=PLbMVogVj5nJQ20ZixllzM69agBq-m8ndV&index=11
Religion morality:	https://www.youtube.com/watch?v=XQCaGd3AzCg&index=16&list=PLXcPnJsWbdxujUIptbSdeJXC0Jd-InxFG
utilitarianism	https://www.youtube.com/watch?v=IngDKG5WbNw&index=6&list=PLbMVogVj5nJQ20ZixllzM69agBq-m8ndV
Ethical egoism:	https://www.youtube.com/watch?v=9IK7r0zOFzE&list=PLXcPnJsWbdxujUIptbSdeJXC0Jd-InxFG&index=7

Software Project Management

Project Management: An Overview	https://www.youtube.com/watch?v=wJ8HZ7hqUs8&list=PL64587F5505355819
Agile Development	https://www.youtube.com/watch?v=jRs-aFETAXY
Project Configuration Management	https://www.youtube.com/watch?v=lvVvMmspMYk
Estimation - II	https://www.youtube.com/watch?v=PXYqu-OcBoY
Estimating Coding cost using COCOMO	https://www.youtube.com/watch?v=byt7WiVQcTw

Cyber Forensics

Basic Computer Forensics	https://www.youtube.com/watch?v=XbfbO7hzaVI&list=PL6oHuo5it4TgA-ZtIo3x5G0l0HDwPPZ9d&index=2
Stenography Techniques	https://www.youtube.com/watch?v=84sXW25O1Kc&index=16&list=PL6oHuo5it4TgA-ZtIo3x5G0l0HDwPPZ9d
Dynamic Malware Analysis	https://www.youtube.com/watch?v=4RP2CHLgAeQ&list=PL6oHuo5it4TgA-ZtIo3x5G0l0HDwPPZ9d&index=13
UNIX Tools	https://www.youtube.com/watch?v=-vQGhOiIRUs&list=PL6oHuo5it4TgA-ZtIo3x5G0l0HDwPPZ9d&index=12
Evidence Acquisition	https://www.youtube.com/watch?v=AyJCSUGzLws&list=PL6oHuo5it4TgA-ZtIo3x5G0l0HDwPPZ9d&index=4