

Dr.Mahalingam College of Engineering & Technology, Pollachi 642 003
(An Autonomous Institution)

Department of Information Technology

E-Learning Resources

S. No.	Course	URL
NPTEL Videos		
1.	Artificial Intelligence	http://www.nptelvideos.in/2012/11/artificial-intelligence.html
2.	Compiler Design	http://www.nptelvideos.in/2012/11/compiler-design.html
3.	Computational Geometry	http://www.nptelvideos.in/2012/11/computational-geometry.html
4.	Computer Algorithms - 2	http://www.nptelvideos.in/2012/11/computer-algorithms-2.html
5.	Computer Architecture	http://www.nptelvideos.in/2012/11/computer-architecture.html
6.	Computer Graphics	http://www.nptelvideos.in/2012/11/computer-graphics.html
7.	Computer Networks	http://www.nptelvideos.in/2012/11/computer-networks.html
8.	Computer Organization	http://www.nptelvideos.in/2012/11/computer-organization.html
9.	Cryptography and Network Security	http://www.nptelvideos.in/2012/11/cryptography-and-network-security.html
10.	Database Management System	http://www.nptelvideos.in/2012/11/database-management-system.html
11.	Data Communication	http://www.nptelvideos.in/2012/11/data-communication.html
12.	Data Structures and Algorithms	http://www.nptelvideos.in/2012/11/data-structures-and-algorithms.html
13.	Design & Analysis of Algorithms	http://www.nptelvideos.in/2012/11/design-analysis-of-algorithms.html
14.	Discrete Mathematical Structures	http://www.nptelvideos.in/2012/11/discrete-mathematical-structures.html
15.	Electronic Design and Automation	http://www.nptelvideos.in/2012/11/electronic-design-and-automation.html

16.	Graph Theory	http://www.nptelvideos.in/2012/11/graph-theory.html
17.	High Performance Computer Architecture	http://www.nptelvideos.in/2012/11/high-performance-computer-architecture.html
18.	High Performance Computing	http://www.nptelvideos.in/2012/11/high-performance-computing.html
19.	Internet Technologies	http://www.nptelvideos.in/2012/11/internet-technologies.html
20.	Introduction to Computer Graphics	http://www.nptelvideos.in/2012/11/introduction-to-computer-graphics.html
21.	Introduction To Problem Solving & Programming	http://www.nptelvideos.in/2012/11/introduction-to-problem-solving.html
22.	Logic for CS	http://www.nptelvideos.in/2012/11/logic-for-cs.html
23.	Low Power VLSI Circuits & Systems	http://www.nptelvideos.in/2012/11/low-power-vlsi-circuits-systems.html
24.	Natural Language Processing	http://www.nptelvideos.in/2012/11/natural-language-processing.html
25.	Numerical Optimization	http://www.nptelvideos.in/2012/11/numerical-optimization.html
26.	Performance Evaluation of Computer Systems	http://www.nptelvideos.in/2012/11/performance-evaluation-of-computer.html
27.	Principles of Programming Languages	http://www.nptelvideos.in/2012/11/principles-of-programming-languages.html
28.	Programming and Data Structure	http://www.nptelvideos.in/2012/11/programming-and-data-structure.html
29.	Real-Time Systems	http://www.nptelvideos.in/2012/11/real-time-systems.html
30.	Software Engineering	http://www.nptelvideos.in/2012/11/software-engineering.html
31.	Systems Analysis and Design	http://www.nptelvideos.in/2012/11/systems-analysis-and-design.html
32.	Theory of Computation	http://www.nptelvideos.in/2012/11/theory-of-computation_29.html

Virtual Lab		
33.	Problem Solving Lab	http://ps-iiith.vlabs.ac.in/
34.	Computer Programming Lab	http://cse02-iiith.vlabs.ac.in/
35.	Cryptography lab	http://cse29-iiith.vlabs.ac.in/
36.	Computer Organization and Architecture Virtual Lab	http://cse10-iitkgp.virtual-labs.ac.in/
37.	Data Structures	http://cse01-iiith.vlabs.ac.in/
38.	Database Lab	http://sage.virtual-labs.ac.in/home/pub/1/
39.	Computer Systems Organization lab	http://cse11-iiith.vlabs.ac.in/
40.	Computer Graphics	http://cse18-iiith.vlabs.ac.in/
MIT Open Course		
41.	Introduction to Computer Science and Programming in Python	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-0001-introduction-to-computer-science-and-programming-in-python-fall-2016/
42.	Introduction to Computer Science and Programming	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-00sc-introduction-to-computer-science-and-programming-spring-2011/
43.	Elements of Software Construction	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-005-elements-of-software-construction-fall-2008/
44.	Introduction to Algorithms	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-006-introduction-to-algorithms-spring-2008/
45.	Artificial Intelligence	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-034-artificial-intelligence-fall-2010/

46.	Design and Analysis of Algorithms	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-046j-design-and-analysis-of-algorithms-spring-2015/
47.	Design and Analysis of Algorithms	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-046j-design-and-analysis-of-algorithms-spring-2012/
48.	Creating Video Games	https://ocw.mit.edu/courses/comparative-media-studies-writing/cms-611j-creating-video-games-fall-2014/
49.	Practical Programming in C	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-087-practical-programming-in-c-january-iap-2010/
50.	Introduction to Programming in Java	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-092-introduction-to-programming-in-java-january-iap-2010/
51.	Introduction to C++	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-096-introduction-to-c-january-iap-2011/
52.	Laboratory in Software Engineering	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-170-laboratory-in-software-engineering-fall-2005/
53.	Software Engineering for Web Applications	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-171-software-engineering-for-web-applications-fall-2003/
54.	Networks	https://ocw.mit.edu/courses/economics/14-15j-networks-fall-2009/
55.	A Gentle Introduction to Programming Using Python	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-189-a-gentle-introduction-to-programming-using-python-january-iap-2011/
56.	Parallel Computing	https://ocw.mit.edu/courses/mathematics/18-337j-parallel-computing-fall-2011/

57.	User Interface Design and Implementation	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-831-user-interface-design-and-implementation-spring-2011/
58.	Database Systems	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-830-database-systems-fall-2010/
59.	Computer Graphics	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-837-computer-graphics-fall-2012/
60.	Fundamentals of Program Analysis	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-820-fundamentals-of-program-analysis-fall-2015/Syllabus/
61.	Management in Engineering	https://ocw.mit.edu/courses/mechanical-engineering/2-96-management-in-engineering-fall-2012/
62.	Data Communication Networks	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-263j-data-communication-networks-fall-2002/
63.	Introduction to Numerical Methods	https://ocw.mit.edu/courses/mathematics/18-335j-introduction-to-numerical-methods-fall-2010/
64.	Principles of Digital Communication I	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-450-principles-of-digital-communication-i-fall-2009/
65.	Computer System Architecture	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-823-computer-system-architecture-fall-2005/
66.	Computer Networks	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-829-computer-networks-fall-2002/
67.	Advanced Data Structures	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-851-advanced-data-structures-spring-2012/

68.	Network and Computer Security	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-857-network-and-computer-security-spring-2014/
69.	Machine Learning	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-867-machine-learning-fall-2006/
70.	Cryptography and Cryptanalysis	https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-875-cryptography-and-cryptanalysis-spring-2005/
71.	Digital Signal Processing	https://ocw.mit.edu/resources/res-6-008-digital-signal-processing-spring-2011/
Spoken Tutorial		
72.	C & CPP	http://spoken-tutorial.org/tutorial-search/?search_foss=C+and+Cpp&search_language=
73.	Advanced C	http://spoken-tutorial.org/tutorial-search/?search_foss=Advance+C&search_language=
74.	RDBMS PostgreSQL	http://spoken-tutorial.org/tutorial-search/?search_foss=RDBMS+PostgreSQL&search_language=
75.	Java	http://spoken-tutorial.org/tutorial-search/?search_foss=Java&search_language=
76.	Linux	http://spoken-tutorial.org/tutorial-search/?search_foss=Linux&search_language=
77.	Python	http://spoken-tutorial.org/tutorial-search/?search_foss=Python&search_language=

78.	GIMP	http://spoken-tutorial.org/tutorial-search/?search_foss=GIMP&search_language=
79.	Inkscape	http://spoken-tutorial.org/tutorial-search/?search_foss=Inkscape&search_language=
80.	R	http://spoken-tutorial.org/tutorial-search/?search_foss=R&search_language=