



Aldel Education Trust's

# St. John College of Engineering and Management, Palghar

(A Christian Religious Minority Institution)

Approved by AICTE and DTE, Affiliated to University of Mumbai/MSBTE

St. John Technical Campus, Vevoor, Manor Road, Palghar (E), Dist. Palghar, Maharashtra-401404

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## DEPARTMENT OF COMPUTER ENGINEERING

### E-LEARNING | ONLINE LECTURES



#### Dr. Rahul Khokale | Professor and Head

Sr. No.	Topic Name	Subject/Topic Name	Semester	YouTube Link
1.	NLP Relation Between Lexemes and their Senses	Natural Language Processing	VII	<a href="https://youtu.be/zWp0ocyAArU">https://youtu.be/zWp0ocyAArU</a>

#### Mr. Sunny Sall | Assistant Professor

Sr. No.	Topic Name	Subject/Topic Name	Semester	YouTube Link
1.	Risk Information Sheet	Software Engineering	VI	<a href="https://youtu.be/yXFaqB8K0v4">https://youtu.be/yXFaqB8K0v4</a>
2.	Risk Management Processes	Software Engineering	VI	<a href="https://youtu.be/xshGixRsULw">https://youtu.be/xshGixRsULw</a>
3.	Software Quality Assurance (SQA)	Software Engineering	VI	<a href="https://youtu.be/o172dkrPB2I">https://youtu.be/o172dkrPB2I</a>
4.	SCM (S/W VERSION & RELEASE MGMT.)	Software Engineering	VI	<a href="https://youtu.be/nC3SZaFJITc">https://youtu.be/nC3SZaFJITc</a>
5.	Software Change Management (SCM)	Software Engineering	VI	<a href="https://youtu.be/Rw0IOBXjFsE">https://youtu.be/Rw0IOBXjFsE</a>

#### Mrs. Aditi Raut | Assistant Professor

Sr. No.	Topic Name	Subject/Topic Name	Semester	YouTube Link
1.	Introduction to Sum of Subset Problem	Analysis of Algorithm	IV	<a href="https://youtu.be/LnLivJYv6E0">https://youtu.be/LnLivJYv6E0</a>
2.	Sum of Subset using Brute Force Approach	Analysis of Algorithm	IV	<a href="https://youtu.be/zXjL_VNEG8">https://youtu.be/zXjL_VNEG8</a>
3.	Sum of Subset Solution	Analysis of Algorithm	IV	<a href="https://youtu.be/Q3K-e6Vd3JM">https://youtu.be/Q3K-e6Vd3JM</a>
4.	N-Queens Problem Explanation using Brute Force Approach	Analysis of Algorithm	IV	<a href="https://youtu.be/r4u67oSHffc">https://youtu.be/r4u67oSHffc</a>
5.	8 Queens Problem Explanation	Analysis of Algorithm	IV	<a href="https://youtu.be/pvfQiCX1UiQ">https://youtu.be/pvfQiCX1UiQ</a>
6.	N-Queens Problem using Backtracking Approach	Analysis of Algorithm	IV	<a href="https://youtu.be/D1ACUof-UU4">https://youtu.be/D1ACUof-UU4</a>
7.	Generating State Space Tree for 4-Queens Problem	Analysis of Algorithm	IV	<a href="https://youtu.be/oQekUryYgu4">https://youtu.be/oQekUryYgu4</a>
8.	8 Queens Problem Explanation	Analysis of Algorithm	IV	<a href="https://youtu.be/pvfQiCX1UiQ">https://youtu.be/pvfQiCX1UiQ</a>
9.	Graph Coloring Terminologies and State Space Tree	Analysis of Algorithm	IV	<a href="https://youtu.be/gVo3nLMJj-0">https://youtu.be/gVo3nLMJj-0</a>

10.	Graph Coloring using Backtracking	Analysis of Algorithm	IV	<a href="https://youtu.be/IjIH7Kkk4Ds">https://youtu.be/IjIH7Kkk4Ds</a>
11.	Graph Coloring Algorithm: Part 1	Analysis of Algorithm	IV	<a href="https://youtu.be/rMWcFuyPvg0">https://youtu.be/rMWcFuyPvg0</a>
12.	Graph Coloring Algorithm: Part 2	Analysis of Algorithm	IV	<a href="https://youtu.be/wZQO2Lzd3is">https://youtu.be/wZQO2Lzd3is</a>

**Mrs. Manali Patekar | Assistant Professor**

Sr. No.	Topic Name	Subject/Topic Name	Semester	YouTube Link
1.	Introduction to DBMS	Database Management System	V	<a href="https://youtu.be/ZK8NLJc79JA">https://youtu.be/ZK8NLJc79JA</a>
2.	Characteristics of Database System	Database Management System	V	<a href="https://youtu.be/ZO8Z_AsPatc">https://youtu.be/ZO8Z_AsPatc</a>
3.	TCP IP Protocol Suite	Computer Networks: Security and Applications	V	<a href="https://youtu.be/IR7f-M6CZR4">https://youtu.be/IR7f-M6CZR4</a>
4.	Discrete Logarithm-Primitive Root Concept	Cryptography and System Security	VI	<a href="https://youtu.be/5AHlTtIoGg">https://youtu.be/5AHlTtIoGg</a>
5.	El-Gamal Digital Signature Example	Cryptography and System Security	VI	<a href="https://youtu.be/C2zcDU7a0v0">https://youtu.be/C2zcDU7a0v0</a>
6.	El-Gamal Digital Signature scheme	Cryptography and System Security	VI	<a href="https://youtu.be/zl3b1rzwpp4">https://youtu.be/zl3b1rzwpp4</a>
7.	Kerberos Protocol	Cryptography and System Security	VI	<a href="https://youtu.be/PMUwIHtS4UA">https://youtu.be/PMUwIHtS4UA</a>

**Mrs. Vidya N. Kawtikwar | Assistant Professor**

Sr. No.	Topic Name	Subject/Topic Name	Semester	YouTube Link
1.	FCFS Disk Scheduling Algorithm	Operating System	IV	<a href="https://youtu.be/ABSFU5rpxeU">https://youtu.be/ABSFU5rpxeU</a>
2.	Disk Scheduling	Operating System	IV	<a href="https://youtu.be/XZLa9XmxytM">https://youtu.be/XZLa9XmxytM</a>
3.	SSTF Disk Scheduling Algorithm	Operating System	IV	<a href="https://youtu.be/28qu7ZD9QA4">https://youtu.be/28qu7ZD9QA4</a>
4.	Scan Disk Scheduling Algorithm	Operating System	IV	<a href="https://youtu.be/g-zQELjmH7E">https://youtu.be/g-zQELjmH7E</a>
5.	C-Look Disk Scheduling Algorithm	Operating System	IV	<a href="https://youtu.be/PCCFATYV1ZA">https://youtu.be/PCCFATYV1ZA</a>
6.	Look Disk Scheduling Algorithm	Operating System	IV	<a href="https://youtu.be/-nTPOAJeOMs">https://youtu.be/-nTPOAJeOMs</a>
7.	C-Scan Disk Scheduling Algorithm	Operating System	IV	<a href="https://youtu.be/N8jkFDfzbx0">https://youtu.be/N8jkFDfzbx0</a>
8.	Optimal Page Replacement Policy	Operating System	IV	<a href="https://youtu.be/DFVGpIRqJE8">https://youtu.be/DFVGpIRqJE8</a>
9.	FIFO Page Replacement Policy	Operating System	IV	<a href="https://youtu.be/l_mkMZeY7v0">https://youtu.be/l_mkMZeY7v0</a>
10.	LRU Page Replacement Policy	Operating System	IV	<a href="https://youtu.be/thnMSsYbYMs">https://youtu.be/thnMSsYbYMs</a>

**Mrs. Angelin Florence A | Assistant Professor**

<b>Sr. No.</b>	<b>Topic Name</b>	<b>Subject/Topic Name</b>	<b>Semester</b>	<b>YouTube Link/Google Drive Link</b>
1.	Pass 1 of DLL   Linkers and Loaders	System Programming & Compiler Construction	VI	<a href="https://www.youtube.com/watch?v=kPPvoyVd0WY">https://www.youtube.com/watch?v=kPPvoyVd0WY</a>
2.	Pass 2 of DLL   Linkers and Loaders	System Programming & Compiler Construction	VI	<a href="https://www.youtube.com/watch?v=kDxI1tpe1xs&amp;t=10s">https://www.youtube.com/watch?v=kDxI1tpe1xs&amp;t=10s</a>
3.	Intermediate Code Generation: Quadruple, triple, and indirect triples	System Programming & Compiler Construction	VI	<a href="https://www.youtube.com/watch?v=G8R71jLGUuQ&amp;t=12s">https://www.youtube.com/watch?v=G8R71jLGUuQ&amp;t=12s</a>
4.	Three Address Code problems: Part 1   How to generate?	System Programming & Compiler Construction	VI	<a href="https://www.youtube.com/watch?v=6HxujK-BFaw">https://www.youtube.com/watch?v=6HxujK-BFaw</a>
5.	Basic Blocks and Flow Graphs in Compiler Design	System Programming & Compiler Construction	VI	<a href="https://www.youtube.com/watch?v=VrrFXn9XRXA">https://www.youtube.com/watch?v=VrrFXn9XRXA</a>
6.	Basic Blocks and Flow Graphs Examples   Code Generation	System Programming & Compiler Construction	VI	<a href="https://www.youtube.com/watch?v=73LgjEzV_Ps&amp;t=81s">https://www.youtube.com/watch?v=73LgjEzV_Ps&amp;t=81s</a>
7.	Directed Acyclic Graph & Syntax Tree	System Programming & Compiler Construction	VI	<a href="https://www.youtube.com/watch?v=3cpaDNPBcAY">https://www.youtube.com/watch?v=3cpaDNPBcAY</a>
8.	First and Follow   Eliminate Left Recursion	System Programming & Compiler Construction	VI	<a href="https://www.youtube.com/watch?v=E9TKzjGYkqM">https://www.youtube.com/watch?v=E9TKzjGYkqM</a>
9.	First and Follow   Predictive Parsing	System Programming & Compiler Construction	VI	<a href="https://www.youtube.com/watch?v=OOB7eRkK9yM">https://www.youtube.com/watch?v=OOB7eRkK9yM</a>
10.	Boolean Expression	System Programming & Compiler Construction	VI	<a href="https://www.youtube.com/watch?v=dakiHQ_vUGY">https://www.youtube.com/watch?v=dakiHQ_vUGY</a>
11.	Syntax Analysis	System Programming & Compiler Construction	VI	<a href="https://drive.google.com/file/d/107X-x8z7VXXjNsvROkrQjMPXks9GHCwM/view?usp=sharing">https://drive.google.com/file/d/107X-x8z7VXXjNsvROkrQjMPXks9GHCwM/view?usp=sharing</a>

**Mr. Vivian Lobo | Assistant Professor**

<b>Sr. No.</b>	<b>Topic Name</b>	<b>Subject/Topic Name</b>	<b>Semester</b>	<b>YouTube Link</b>
1.	Bayesian Belief Network and Markov Model	Machine Learning	VI	<a href="https://youtu.be/fbGMg-vKOIE">https://youtu.be/fbGMg-vKOIE</a>
2.	Hidden Markov Model	Machine Learning	VI	<a href="https://youtu.be/jIbGxhYMFbQ">https://youtu.be/jIbGxhYMFbQ</a>

3.	Markov Model   Numerical	Machine Learning	VI	<a href="https://youtu.be/ScKRvHd2Iwo">https://youtu.be/ScKRvHd2Iwo</a>
4.	Application of Bayes Rule on HMM	Machine Learning	VI	<a href="https://youtu.be/cBVgVo5Bh3c">https://youtu.be/cBVgVo5Bh3c</a>
5.	Support Vector Machine SVM   Part 1	Machine Learning	VI	<a href="https://youtu.be/79d6jSBsWk4">https://youtu.be/79d6jSBsWk4</a>
6.	Support Vector Machine SVM   Part 2	Machine Learning	VI	<a href="https://youtu.be/d3Es3DnBBro">https://youtu.be/d3Es3DnBBro</a>
7.	SVM and Maximum Margin Linear Separators	Machine Learning	VI	<a href="https://youtu.be/lj-NDOXKI5k">https://youtu.be/lj-NDOXKI5k</a>
8.	Finding Optimal Hyperplane	Machine Learning	VI	<a href="https://youtu.be/CqtycZfersw">https://youtu.be/CqtycZfersw</a>
9.	Clustering	Machine Learning	VI	<a href="https://youtu.be/wTY1s1YL77E">https://youtu.be/wTY1s1YL77E</a>
10.	Expectation Maximization Algorithm   Part 1	Machine Learning	VI	<a href="https://youtu.be/Xjib2jvj2kg">https://youtu.be/Xjib2jvj2kg</a>
11.	Expectation Maximization Algorithm   Part 2	Machine Learning	VI	<a href="https://youtu.be/A-6bRUJeoee">https://youtu.be/A-6bRUJeoee</a>
12.	Expectation Maximization Algorithm   Numerical	Machine Learning	VI	<a href="https://youtu.be/VOMj8mk2_04">https://youtu.be/VOMj8mk2_04</a>
13.	Radial Basis Function (RBF)	Machine Learning	VI	<a href="https://youtu.be/IcliGeFfwKA">https://youtu.be/IcliGeFfwKA</a>
14.	Radial Basis Functions   Numerical	Machine Learning	VI	<a href="https://youtu.be/Iys3Mn_8t_E">https://youtu.be/Iys3Mn_8t_E</a>
15.	Dimensionality Reduction	Machine Learning	VI	<a href="https://youtu.be/PFAZnNV5hCA">https://youtu.be/PFAZnNV5hCA</a>
16.	Principal Component Analysis (PCA)	Machine Learning	VI	<a href="https://youtu.be/C_xYqrlBDPw">https://youtu.be/C_xYqrlBDPw</a>
17.	Principal Component Analysis   Numerical	Machine Learning	VI	<a href="https://youtu.be/Q7Mxao1uon0">https://youtu.be/Q7Mxao1uon0</a>
18.	Singular Value Decomposition	Machine Learning	VI	<a href="https://youtu.be/a4NcIubgZoQ">https://youtu.be/a4NcIubgZoQ</a>
19.	Singular Value Decomposition   Part 2	Machine Learning	VI	<a href="https://youtu.be/rGX7yNEQ0R8">https://youtu.be/rGX7yNEQ0R8</a>
20.	Implementation of Network Topology (Star Topology) in NS2 via TCL	Computer Network Lab	V	<a href="https://youtu.be/hQ9Ulld3cyA">https://youtu.be/hQ9Ulld3cyA</a>
21.	TCP Header	Computer Network	V	<a href="https://youtu.be/it9DB4jodOs">https://youtu.be/it9DB4jodOs</a>
22.	TCP State Transition or Connection Modeling	Computer Network	V	<a href="https://youtu.be/S2Ujr5KRvzI">https://youtu.be/S2Ujr5KRvzI</a>
23.	TCP Timers	Computer Network	V	<a href="https://youtu.be/XJ-E4VqgINQ">https://youtu.be/XJ-E4VqgINQ</a>
24.	Application Layer	Computer Network	V	<a href="https://youtu.be/fPrUcxUQ1uM">https://youtu.be/fPrUcxUQ1uM</a>
25.	How to write a research paper: Tips & Tricks	Research Paper Writing	--	<a href="https://youtu.be/8taB4A9vGEO">https://youtu.be/8taB4A9vGEO</a>

**Mrs. Snehal D'mello | Assistant Professor**

Sr. No.	Topic Name	Subject/ Topic Name	Semester	YouTube Link/Google Drive Link
1.	Array Basics	C Programming	II	<a href="https://youtu.be/U75MeyeTZHk">https://youtu.be/U75MeyeTZHk</a>

2.	Array Example 1	C Programming	II	<a href="https://drive.google.com/file/d/1hqBA0DOJXbx8ExdPopfCsCqb51fw_9Ro/view?usp=sharing">https://drive.google.com/file/d/1hqBA0DOJXbx8ExdPopfCsCqb51fw_9Ro/view?usp=sharing</a>
3.	Array Example 2	C Programming	II	<a href="https://drive.google.com/file/d/1eQst-KalkabSna4cFO3o9JyZV12J1lm-/view?usp=sharing">https://drive.google.com/file/d/1eQst-KalkabSna4cFO3o9JyZV12J1lm-/view?usp=sharing</a>
4.	Array to Find Largest Number in Array	C Programming	II	<a href="https://drive.google.com/file/d/1eQst-KalkabSna4cFO3o9JyZV12J1lm-/view?usp=sharing">https://drive.google.com/file/d/1eQst-KalkabSna4cFO3o9JyZV12J1lm-/view?usp=sharing</a>
5.	Array Linear Search in an Array	C Programming	II	<a href="https://youtu.be/6uX0kxceUK0">https://youtu.be/6uX0kxceUK0</a>
6.	2D Array Basics	C Programming	II	<a href="https://drive.google.com/file/d/1-I7hcSaz-EQYQnWv1nOrnJDkV3faj-r/view?usp=sharing">https://drive.google.com/file/d/1-I7hcSaz-EQYQnWv1nOrnJDkV3faj-r/view?usp=sharing</a>
7.	2D Array Addition	C Programming	II	<a href="https://drive.google.com/file/d/1NS3CDL8UyTd5EgGPj-cNPNVDx9AvwAAN/view?usp=sharing">https://drive.google.com/file/d/1NS3CDL8UyTd5EgGPj-cNPNVDx9AvwAAN/view?usp=sharing</a>
8.	Transpose of Matrix	C Programming	II	<a href="https://youtu.be/H5YcFwLni_E">https://youtu.be/H5YcFwLni_E</a>
9.	Passing Array to a Function	C Programming	II	<a href="https://drive.google.com/file/d/1UkW7ZROP3NnTqAmU_YeiXFHH7A36RdqY/view?usp=sharing">https://drive.google.com/file/d/1UkW7ZROP3NnTqAmU_YeiXFHH7A36RdqY/view?usp=sharing</a>
10.	String Basics	C Programming	II	<a href="https://drive.google.com/file/d/1B3aH0EX0vQ1zNnn83S9gc1wzJPrbhMyD/view?usp=sharing">https://drive.google.com/file/d/1B3aH0EX0vQ1zNnn83S9gc1wzJPrbhMyD/view?usp=sharing</a>
11.	String Length Program	C Programming	II	<a href="https://drive.google.com/file/d/1W-XtsS-Az2PFiB47eaxgN44P9CBe9vne/view?usp=sharing">https://drive.google.com/file/d/1W-XtsS-Az2PFiB47eaxgN44P9CBe9vne/view?usp=sharing</a>
12.	String is Palindrome	C Programming	II	<a href="https://youtu.be/O3YH7TsciD8">https://youtu.be/O3YH7TsciD8</a>
13.	Array of Structures	C Programming	II	<a href="https://youtu.be/VGPCRh1HZaM">https://youtu.be/VGPCRh1HZaM</a>
14.	Nested Structure	C Programming	II	<a href="https://youtu.be/0WY_ATjJtWQ">https://youtu.be/0WY_ATjJtWQ</a>
15.	Passing a Structure to a Function in C Programming	C Programming	II	<a href="https://youtu.be/MmfYLOpE7OI">https://youtu.be/MmfYLOpE7OI</a>
16.	Union in C Programming	C Programming	II	<a href="https://youtu.be/yZkE2ZcFU8k">https://youtu.be/yZkE2ZcFU8k</a>
17.	Understanding Pointers in C Programming	C Programming	II	<a href="https://youtu.be/G1PFx6-95Jc">https://youtu.be/G1PFx6-95Jc</a>

18.	Operations on Pointer	C Programming	II	<a href="https://youtu.be/Fd7th_9RPZU">https://youtu.be/Fd7th_9RPZU</a>
19.	C Program to Find Sum of Array Elements using Pointer	C Programming	II	<a href="https://youtu.be/Ol04akuGSZo">https://youtu.be/Ol04akuGSZo</a>
20.	C Program to Find Largest Element in an Array Program using Pointer	C Programming	II	<a href="https://youtu.be/8HgAZzhqfOU">https://youtu.be/8HgAZzhqfOU</a>

<b>Mr. Anas Dange   Assistant Professor</b>				
<b>Sr. No.</b>	<b>Topic Name</b>	<b>Subject/Topic Name</b>	<b>Semester</b>	<b>YouTube Link/Google Drive Link</b>
1.	Pointers	C Programming	II	<a href="https://youtu.be/ndCb4Qd6FFw">https://youtu.be/ndCb4Qd6FFw</a>
2.	Structures and Unions	C Programming	II	<a href="https://youtu.be/LQ9bJ5lMDL8">https://youtu.be/LQ9bJ5lMDL8</a>



Dr. Rahul Khokale  
HOD, Computer Engg.