



SYED AMMAL ENGINEERING COLLEGE

(An ISO 9001:2015 Certified Institution)

Dr. E. M. Abdullah Campus Ramanathapuram-623502.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Accredited by NBA)



INNOVATIONS IN TEACHING AND LEARNING

S. No	Name of the Faculty	Name of the Course	Name of the Topic	YouTube Link
1	Dr. B. Muthu Kumar	Software Project Management	Staffing in Software Projects	https://youtu.be/CXW9JXwiiYY
		Student Induction Programme	Character Building	https://youtu.be/Z0BIc2SQxb4
2	Dr. N. Karthikeyan	Programming in C	Structure in C	https://youtu.be/fO01x4FWCT8
			Files in C	https://youtu.be/BfypHKhubjI
		Augmented Reality	Unity 3D – Part 1	https://youtu.be/ePtw_L30E1M
			Unity 3D – Part 2	https://youtu.be/UZy17oO5ISU
		Blockchain	Introduction to Blockchain	https://youtu.be/vuUJCh0-gRg
			Ethereum	https://youtu.be/Wf57tzHJwas
Smart Contract	https://youtu.be/IUzX3gumP5A			
3	Dr. A. Kanmani	Operating System	Process Synchronization	https://youtu.be/yXjUW7PBiok
		Problem Solving and Python Programming	Linear Search	https://youtu.be/imrYYkK99-o
			Binary Search	https://youtu.be/ITkOrlbHvHc
4	Dr. M. Islabudeen	Compiler Design	Type Checking in Compiler Design	https://youtu.be/q3_FnNgrWEE
			Design of a Simple Code Generator in Compiler Design	https://youtu.be/WBhmEy_0Mmg
			Issues in the design of code generator in compiler design	https://youtu.be/tNOIepHV1a8
			Directed Acyclic Graph (DAG) Construction in compiler design	https://youtu.be/wuKDMgxyzuy8
			Optimization of basic blocks in compiler design	https://youtu.be/9dSj7PWODY4



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5	Dr. S. Hasan Hussain	Internet Programming	Web Service	https://youtu.be/t8WujNIJfe4
			Creation of Web Service – Demo	https://youtu.be/D73llh1t6fg
			WSDL and SOAP	https://youtu.be/MbC7r4a_cC8
			AJAX	https://youtu.be/LSCQs5O6On0
		Problem Solving and Python Programming	List, Tuples and Dictionaries	https://youtu.be/5Af7CKSDE1M
ICT Tools – Future of Education & Research	Gnomio – A Virtual Teaching Tool	https://youtu.be/NoFqmLEVV18		
6	Dr. J. Ragaventhiran	Database Management Systems	Distributed Transaction and Commit Protocol	https://youtu.be/wtB7KScXItk
			Distributed Database – Part 1	https://youtu.be/51ARdKdObHg
		ICT Tools – Future of Education & Research	Canvas, LOOM and Google Slide	https://youtu.be/-NAxH_OQC-E
		Online Tools for Teaching and Research	Canvas – A Learning Management Tool	https://youtu.be/x61H68UapEY
7	Dr. T. B. Sivakumar	Mobile Computing	Mobile Platforms and Applications	https://youtu.be/SfUWrAx6XzA
		ICT Tools – Future of Education & Research	Edmodo – Online Teaching Tool	https://youtu.be/-DhpXDVxBbg
		Blockchain	Permissioned Blockchain – Phase I	https://youtu.be/9xXNmh6_aXs
			Permissioned Blockchain – Phase II	https://youtu.be/h0ULzGuUFgY
8	Mrs. G. Sharmila	Blockchain	Virtual Pages	https://youtu.be/fIEqAuaRAqk
9	Mrs. T. M. Devi	Design and Analysis of Algorithms	Travelling Salesman Problem	https://youtu.be/uI1o_-qtJZc
			Knapsack Problem	https://youtu.be/0zkKCR2BZVg
			Assignment Problem	https://youtu.be/gAw151DrL5k
		Problem Solving and Python Programming	Python Function	https://youtu.be/PZGEj1spMI0
			Python Data Type	https://youtu.be/B5p9q3AdqVE



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10	Mr. G. Saravanakumar	Multi-Core Architecture & Programming	Travelling Salesman Problem Class1 – Part 1	https://youtu.be/pAI187RJKrU
			Travelling Salesman Problem Class1 – Part 2	https://youtu.be/EBziUdMay9s
		Software Testing	Test Metrics and Measurement	https://youtu.be/8-HOXkqRGtg
			Requirements of Test Tool	https://youtu.be/ASv9yHgVQuo
			Scope of Test Automation	https://youtu.be/wJ3EA045hDw
			Software Test Automation	https://youtu.be/pcY8JD80Ats
		Problem Solving & Python Programming	Errors and Exceptions	https://youtu.be/pcY8JD80Ats
			Files	https://youtu.be/UGi2riMriLk
11	Mr. M. H. Anandbabu	Artificial Intelligence	Robotics	https://youtu.be/ZdYIQY4Q0CU
			Architecture for Intelligent Agent	https://youtu.be/05B5Fa2vI_c
			BDI and Layered Architecture	https://youtu.be/d3E1x-IFjyA
			Agent Communication	https://youtu.be/06m5Inhh5sQ
		Software Engineering	Validation, System Testing and Debugging	https://youtu.be/xz4c0nEbBFg
			Software Implementation Technique	https://youtu.be/oH9H7-EA5CU
			Risk Management	https://youtu.be/YrUGE8-XnCk
			Project Scheduling	https://youtu.be/hWWSzGBorw
			COCOMO Model II and Make/Buy Decision Model	https://youtu.be/oskmbjWxo4
			COCOMO Model I	https://youtu.be/kMfzcYXQ3sU
			Project Planning and CASE Tools	https://youtu.be/E9tY53A2jHo
			Software Project Management and Estimation Techniques	https://youtu.be/DtAhP7ZS1cY
			Problem Solving & Python Programming	Towers of Hanoi
		Building Blocks of Algorithm		https://youtu.be/kiWUpvnsNzs



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12	Mr. B. John Samuel	Distributed Systems	Recovery and Consensus	https://youtu.be/3rhDIBrM7v0
		Computer Architecture	Cache Memory Mapping Techniques	https://youtu.be/f1UxAuxY1dU
			Virtual Memory	https://youtu.be/YTcr_ZguOm8
			Accessing I/O Devices	https://youtu.be/Dgt0URkG3Dg
			Direct Memory Access (DMA)	https://youtu.be/y_uoq0_tmc4
		Blockchain	Introduction to Blockchain	https://youtu.be/j-WBQ6LOnrk
ICT Tools – Future of Education & Research	Hands on Training on Google Classroom	https://youtu.be/QFkI6WKXKrY		