

7TH SEMESTER ISE – e Class Schedule

7TH ISE- 17CS71 – WEB TECHNOLOGY AND ITS APPLICATIONS

Modules	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
Module-1: Introduction to HTML and CSS	Introduction to HTML, What is HTML and Where did it come from?, HTML Syntax, Semantic Markup, Structure of HTML Documents,	Will be mailed to group mail ID	https://drive.google.com/file/d/1VzPt0zDtcD4xVK5_Y9aH4LOKaEx7OoRt/view?usp=sharing	https://drive.google.com/file/d/1dgd_kazmWG3_VIAcpvbnH6hGN0Cj62KI/view?usp=sharing https://www.w3schools.com/html/html_intro.asp	2/09/2020
	Quick Tour of HTML Elements,		https://drive.google.com/file/d/1NvKXsD_-Rso6Nyk1-CBdqbrYTdabrQ7n/view?usp=sharing	https://drive.google.com/file/d/1dgd_kazmWG3_VIAcpvbnH6hGN0Cj62KI/view?usp=sharing	7/09/2020
	HTML5 Semantic, Structure Elements .		https://drive.google.com/file/d/1LwQwDsjUHNw_kD2DXp9HDRwcgRaGdTPK/view?usp=sharing	https://drive.google.com/file/d/1dgd_kazmWG3_VIAcpvbnH6hGN0Cj62KI/view?usp=sharing https://www.w3schools.com/html/html5_semantic_elements.asp	9/09/2020

	<p>Introduction to CSS, What is CSS, CSS Syntax, Location of Styles,</p>		<p>https://drive.google.com/file/d/1wxyMafilVrLkvv--RzrLCS6mmdMV_KLq/view?usp=sharing</p>	<p>https://drive.google.com/file/d/1TLygkJyjiOS-T8pk3r91mlN8pqgjya /view?usp=sharing</p> <p>https://www.w3schools.com/css/css_intro.asp</p>	<p>14/09/2020</p>
	<p>Selectors, The Cascade: How Styles Interact, The Box Model,</p>		<p>https://drive.google.com/file/d/13VQpB5KgxNXpkD3GuND3b4JVP_IAAkX/view?usp=sharing</p>	<p>https://drive.google.com/file/d/1TLygkJyjiOS-T8pk3r91mlN8pqgjya /view?usp=sharing</p> <p>https://www.w3schools.com/css/css_selectors.asp</p>	<p>16/09/2020</p>
	<p>The Box Model</p>		<p>https://drive.google.com/file/d/1dC42Zc0CrKIakCiAU7EY_YcVq7CeXztE/view?usp=sharing</p>	<p>https://drive.google.com/file/d/1TLygkJyjiOS-T8pk3r91mlN8pqgjya /view?usp=sharing</p>	<p>21/09/2020</p>

			https://www.w3schools.com/css/css_boxmodel.asp	
	CSS Text Styling		https://drive.google.com/file/d/16TDNErRjAm8ImrMa2MAoLHgMdvk7r5da/view?usp=sharing https://www.w3schools.com/css/css_text.asp	23/09/2020

Assignment: Objective question will be given at the end of the module

Model question are share at the end of the module

Module-2	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
HTML Tables and Forms, Advanced CSS	Introducing Tables, Styling Tables		https://drive.google.com/file/d/1zbmMDJedfJiZ0C47GFgXwtA9091uCZJ/view?usp=sharing	https://drive.google.com/file/d/14bWkN32cDJFEZfxqZlpvp0SxslWclZqq/view?usp=sharing https://www.w3schools.com/html/html_tables.asp	28/09/2020
	Introducing Forms, Form Control		https://drive.google.com/file/d/	https://drive.google.com/file/d/14bWkN	30/09/2020

	Elements		/1FTJ-nZ68Nsb5QdMMnLW0ttZLxmVosAx/view?usp=sharing	32cDJFEZfxqZlpvp0SxslWclZqg/view?usp=sharing https://www.w3schools.com/html/html_forms.asp	
	form control elements cont..		https://drive.google.com/file/d/1G7ZVzaEYAfDGzdYHgl-rIYOGRWNIgKDq/view?usp=sharing	https://drive.google.com/file/d/14bWkN32cDJFEZfxqZlpvp0SxslWclZqg/view?usp=sharing https://www.w3schools.com/html/html_form_elements.asp https://www.w3schools.com/html/html_form_input_types.asp	5/10/2020
	advanced css , positioning element		https://drive.google.com/file/d/1THEmpWPcEH5JpdqOAYUHEbjou3Sq_sAl/view?usp=sharing https://www.youtube.com/watch?v=-vo0HzNHL3U https://www.youtube.com/watch?v=gOHqGT2RUt0	https://www.w3schools.com/css/css_positioning.asp	7/10/2020
	CSS float element properties		https://www.youtube.com/watch?v=EESvTsa9M6M https://www.youtube.com/watch?v=-7talo-lukl	https://www.w3schools.com/cssref/pr_class_float.asp https://developer.mozilla.org/en-US/docs/Web/CSS/float	12/10/2020
	create a multi level column , CSS framework		https://www.youtube.com/watch?v=OIJY6BcQHLg&t=6s	https://tutorial.techaltum.com/css_fixed_liquid_layout.html	14/10/2020
	css responsive design		https://www.youtube.com/watch?v=ZYV6dYtz4HA	https://www.w3schools.com/css/css_rwd_intro.asp	19/10/2020
	css preprocessor		https://www.youtube.com/watch?v=Zz6eOVaaell https://www.youtube.com/watch?v=liujOinbGzw	https://www.w3schools.com/sass/sass_intro.asp	23/10/2020

	task given to create a web page using HTML and CSS		https://www.youtube.com/watch?v=uyaV_EWWRmo https://www.youtube.com/watch?v=99vHH_6F0Ko&t=404s	https://www.w3schools.com/html/default.asp https://www.w3schools.com/css/default.asp	26/10/2020
--	--	--	--	--	------------

Assignment: Objective question will be given at the end of the module
Model question are share at the end of the module

Module-3	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
	JavaScript: Client-Side Scripting, What is JavaScript and What can it do?,		https://www.youtube.com/watch?v=J2q0x70YDPk	https://developer.mozilla.org/en-US/docs/Learn/JavaScript/First_steps/What_is_JavaScript	2/11/2020
	JavaScript Design Principles, Where does JavaScript Go?,		https://www.youtube.com/watch?v=UQqY3_6Epbg	https://www.infoq.com/news/2014/01/solid-principles-javascript/	4/11/2020
	Syntax, JavaScript Objects,		https://www.youtube.com/watch?v=X0ipw1k7ygU	https://www.w3schools.com/js/js_objects.asp	7/11/2020
	The Document Object Model (DOM),		https://www.youtube.com/watch?v=O6BNfJz3rgs&list=PLyuRouwmQCjkuH93Mq8zgi8bybNjvDTu2	https://www.w3schools.com/js/js_html_dom.asp	9/11/2020
	JavaScript Events, Forms,		https://www.youtube.com/watch?v=oQbDKJ3WXZg	https://www.w3schools.com/js/js_events.asp	11/11/2020
	Introduction to Server-Side Development with PHP		https://www.youtube.com/watch?v=CXnU9L1GHmQ	https://www.w3schools.com/php/default.asp	14/11/2020
	Program Control		https://www.youtube.com/watch?v=8n6QCLlvVR0	https://www.w3schools.com/php/php_looping.asp	16/11/2020
	PHP Functions		https://www.youtube.com/watch?v=twv1y8OTFdl	https://www.w3schools.com/php/php_functions.asp	17/11/2020

Assignment: Objective question will be given at the end of the module
Model question are share at the end of the module

Module-4	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
----------	-------------------	-----	-------------	--------------	---------------

	PHP Arrays and Superglobals,		https://www.youtube.com/watch?v=TbKZR1XFblc	https://drive.google.com/drive/folders/15muALkTL60tp446a6iNkbt0keTQSF3IW3?usp=sharing	19/11/2020
	Arrays, \$_GET and \$_POST Superglobal Arrays, ing		https://www.youtube.com/watch?v=fTs3deU7n10	https://drive.google.com/drive/folders/15muALkTL60tp446a6iNkbt0keTQSF3IW3?usp=sharing	23/11/2020
	\$_SERVER Array, \$_FILES Array,		https://www.youtube.com/watch?v=zW7EQvxJO28	https://drive.google.com/drive/folders/15muALkTL60tp446a6iNkbt0keTQSF3IW3?usp=sharing	26/11/2020
	Reading/Writing Files,		https://www.youtube.com/watch?v=Y5L53wClooQ	https://drive.google.com/drive/folders/15muALkTL60tp446a6iNkbt0keTQSF3IW3?usp=sharing	1/12/2020
	PHP Classes and Objects,		https://www.youtube.com/watch?v=yrlbbKuSqK8	https://drive.google.com/drive/folders/15muALkTL60tp446a6iNkbt0keTQSF3IW3?usp=sharing	4/12/2020
	Object-Oriented Overview, Classes and Objects in PHP,		https://www.youtube.com/watch?v=S9YdBj72ncM	https://drive.google.com/drive/folders/15muALkTL60tp446a6iNkbt0keTQSF3IW3?usp=sharing	7/12/2020
	Object Oriented Design,		https://www.youtube.com/watch?v=fJW65Wo7IHI&list=PLGLfvz_LVvS5P7khyR4xDp7T9lCk9PgE	https://drive.google.com/drive/folders/15muALkTL60tp446a6iNkbt0keTQSF3IW3?usp=sharing	10/12/2020
	Error Handling and Validation,		https://www.youtube.com/watch?v=a4u0YulEIX8	https://drive.google.com/drive/folders/15muALkTL60tp446a6iNkbt0keTQSF3IW3?usp=sharing	11/12/2020
	What are Errors and Exceptions?, PHP Error Reporting, PHP Error and Exception Handling		https://www.youtube.com/watch?v=a4u0YulEIX8	https://drive.google.com/drive/folders/15muALkTL60tp446a6iNkbt0keTQSF3IW3?usp=sharing	13/12/2020
Assignment: Objective question will be given at the end of the module					
Model question are share at the end of the module					
Module-5	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
	Managing State, The Problem of State in Web Applications		https://www.youtube.com/watch?v=Fm68EkKEYqY	https://drive.google.com/drive/folders/10_hE4Zm6DeRLN5a2IzaYCSkkHEI9Y5-	14/12/2020

				e?usp=sharing	
	Passing Information via Query Strings, Passing Information via the URL Path,.		https://www.youtube.com/watch?v=ORKxq9Vm1Vc	https://drive.google.com/drive/folders/10_hE4Zm6DeRLN5a2IzaYCSkkHEI9Y5-e?usp=sharing	16/12/2020
	Cookies, Serialization, Session State,		https://www.youtube.com/watch?v=Ae3WBXMMIXA	https://drive.google.com/drive/folders/10_hE4Zm6DeRLN5a2IzaYCSkkHEI9Y5-e?usp=sharing	
	HTML5 Web Storage, Caching,		https://www.youtube.com/watch?v=EQ-cLRBS1Tk	https://drive.google.com/drive/folders/10_hE4Zm6DeRLN5a2IzaYCSkkHEI9Y5-e?usp=sharing	17/12/2020
	Advanced JavaScript and jQuery, JavaScript Pseudo-Classes, jQuery Foundations,		https://www.youtube.com/watch?v=2OMzGhIIZpg	https://drive.google.com/drive/folders/10_hE4Zm6DeRLN5a2IzaYCSkkHEI9Y5-e?usp=sharing	18/12/2020
	AJAX, Asynchronous File Transmission,		https://www.youtube.com/watch?v=h0ZUpPiV1ac	https://drive.google.com/drive/folders/10_hE4Zm6DeRLN5a2IzaYCSkkHEI9Y5-e?usp=sharing	21/12/2020
	Animation, Backbone MVC Frameworks,		https://www.youtube.com/watch?v=ztOxdD6x3Mw	https://drive.google.com/drive/folders/10_hE4Zm6DeRLN5a2IzaYCSkkHEI9Y5-e?usp=sharing	22/12/2020
	JSON, Overview of Web Service		https://www.youtube.com/watch?v=L79262-ne78	https://drive.google.com/drive/folders/10_hE4Zm6DeRLN5a2IzaYCSkkHEI9Y5-e?usp=sharing	24/12/2020
	XML Processing		https://www.youtube.com/watch?v=R2bhO0kZZnQ	https://drive.google.com/drive/folders/10_hE4Zm6DeRLN5a2IzaYCSkkHEI9Y5-e?usp=sharing	28/12/2020

Assignment: Objective question will be given at the end of the module

Model question are share at the end of the module

7TH ISE- 17IS72 – SOFTWARE ARCHITECTURES AND DESIGN PATTERNS

Modules	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
Module-1: Introduction	What is a design pattern? describing design patterns.	Will be shared in google classroom	https://www.youtube.com/watch?v=z3SRC2ckJhI&list=PLWPirh4EWFpGeQoTYL5YpzBz8Gjw-sxJb&index=1	http://nptel.vtu.ac.in/econtent/courses/CSE/06IS72/index.php https://www.startertutorials.com/patterns/describing-design-patterns.html https://www.tutorialspoint.com/design_pattern/design_pattern_overview.htm	03-09-2020
	The catalog of design pattern.		https://www.youtube.com/watch?v=Uj2XYArScLo&list=PLWPirh4EWFpGeQoTYL5YpzBz8Gjw-sxJb&index=2 https://www.youtube.com/watch?v=LPUHOwvfVUM&list=PLWPirh4EWFpGeQoTYL5YpzBz8Gjw-sxJb&index=3	https://www.startertutorials.com/patterns/catalog-design-patterns.html https://www.tutorialspoint.com/design_pattern/design_pattern_quick_guide.htm	07-09-2020
	The catalog of design pattern.		https://www.youtube.com/watch?v=z3SRC2ckJhI&list=PLWPirh4EWFpGeQoTYL5YpzBz8Gjw-sxJb	https://drive.google.com/file/d/1GMgCF9CpVqhVNaKxh45a3AzPycAQLZL7/view?usp=sharing https://www.startertutorials.com/patterns/catalog-design-patterns.html https://www.tutorialspoint.com/design_pattern/design_pattern_quick_guide.htm	07-09-2020
	The catalog of design pattern.		https://www.youtube.com/watch?v=z3SRC2ckJhI&list=PLWPirh4EWFpGeQoTYL5YpzBz8Gjw-sxJb	https://drive.google.com/file/d/1GMgCF9CpVqhVNaKxh45a3AzPycAQLZL7/view?usp=sharing	10-09-2020

			oTYL5YpzBz8Gjw-sxJb	https://www.startertutorials.com/patterns/catalog-design-patterns.html https://www.tutorialspoint.com/design_pattern/design_pattern_quick_guide.htm	
	How to use a design pattern.		https://www.youtube.com/watch?v=P2SVCtosR3o	https://drive.google.com/file/d/1GMgCF9CpVqhVNaKxh45a3AzPycAQLZL7/view?usp=sharing	10-09-2020
	How design patterns solve design problems.		https://www.youtube.com/watch?v=0hMV0Flw1iA	https://drive.google.com/file/d/1GMgCF9CpVqhVNaKxh45a3AzPycAQLZL7/view?usp=sharing https://www.doccity.com/en/how-dp-solves-the-problem/2184784/	14-09-2020
	How to select a design pattern.		https://www.youtube.com/watch?v=0hMV0Flw1iA	https://drive.google.com/file/d/1GMgCF9CpVqhVNaKxh45a3AzPycAQLZL7/view?usp=sharing	14-09-2020
	How to use a design pattern.		https://www.youtube.com/watch?v=0hMV0Flw1iA	https://drive.google.com/file/d/1GMgCF9CpVqhVNaKxh45a3AzPycAQLZL7/view?usp=sharing	17-09-2020
	What is object-oriented development? , key concepts of object oriented design		https://www.youtube.com/watch?v=VnVHg6OPrQ	https://www.tutorialspoint.com/system_analysis_and_design/system_analysis_and_design_object_oriented_approach.htm	21-09-2020
	Other related concepts, benefits and drawbacks of the paradigm		https://wiki.tcl-lang.org/page/Advantages+and+Disadvantages+of+OOP	https://drive.google.com/file/d/1GMgCF9CpVqhVNaKxh45a3AzPycAQLZL7/view?usp=sharing https://wiki.tcl-lang.org/page/Advantages+and+Disadvantages+of+OOP	24-09-2020

Assignment: Objective question will be given at the end of the module
Model question are share at the end of the module

Modules-2	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
-----------	-------------------	-----	-------------	--------------	---------------

Analysis a System	overview of the analysis phase	Will be shared in google classroom	https://www.youtube.com/watch?v=3fgfUHKITts	http://www.vtuplanet.com/m/d.php?type=papers&file=B.E+%28Engineering%29%2FInformation+Science+%28ISE%29%2FSem+7%2F%2FSoftware+Architecture%2FSA+Notes+by+Divya+%28RNSIT%29+%28vtuplanet.com%29.pdf	28-09-2020
	Stage 1: gathering the requirements functional requirements specification		https://www.youtube.com/watch?v=KeMgPqLCKuo	https://en.wikipedia.org/wiki/Requirements_analysis	01-10-2020
	stage 1: gathering the requirements functional requirements specification		https://www.youtube.com/watch?v=3fgfUHKITts	https://en.wikipedia.org/wiki/Requirements_analysis	05-10-2020
	Defining conceptual classes and relationships		https://www.youtube.com/watch?v=KeMgPqLCKuo https://www.youtube.com/watch?v=pCK6prSq8aw https://www.youtube.com/watch?v=RMuMz5hQMf4	http://www.cs.sjsu.edu/~pearce/modules/lectures/ooa/domain/domainModels.htm	08-10-2020
	Defining conceptual classes and relationships		https://www.youtube.com/watch?v=UI6lqHOVHic https://www.youtube.com/watch?v=XI4_KyVQCt4	http://www.cs.sjsu.edu/~pearce/modules/lectures/ooa/domain/domainModels.htm	12-10-2020
	Using the knowledge of the domain.		https://www.youtube.com/watch?v=zrl3sjL9ORA	https://www.educative.io/course/s/grokking-the-object-oriented-design-	15-10-2020

				interview/RMIM3NgjAvR	
	Using the knowledge of the domain.		https://www.youtube.com/watch?v=zrl3sjL9ORA	https://www.educative.io/course/s/grokking-the-object-oriented-design-interview/RMIM3NgjAvR	19-10-2020
	Design and Implementation		https://edshare.gcu.ac.uk/2176/2/index.html	http://csis.pace.edu/~marchese/CS389/L7/Ch7_summary.pdf	19-10-2020
	Discussions and further reading.		https://www.youtube.com/watch?v=3fgfUHKITts	http://www.cs.sjsu.edu/~pearce/modules/lectures/ooa/domain/domainModels.htm	22-10-2020

Assignment: Objective question will be given at the end of the module

Model question are share at the end of the module

Modules-3	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
Design Pattern Catalog	Structural Patterns	Will be shared in google classroom	https://www.coursera.org/lecture/design-patterns/2-1-1-what-is-a-design-pattern-C7wF7	https://refactoring.guru/design-patterns/catalog	02-11-2020
	Adapter		https://www.coursera.org/lecture/design-patterns/2-1-6-adapter-pattern-RRZST	https://www.tutorialspoint.com/design_pattern/adapter_pattern.htm	05-11-2020
	Bridge		https://www.youtube.com/watch?v=m8NG0tzrq9o	https://www.tutorialspoint.com/design_pattern/bridge_pattern.htm	09-11-2020
	Composite		https://www.youtube.com/watch?v=EWDmWbJ4wRA	https://www.tutorialspoint.com/design_pattern/composite_pattern.htm	09-11-2020
	Decorator		https://www.youtube.com/watch?v=o-h8OpfacKY	https://www.tutorialspoint.com/design_pattern/decorator_pattern.htm	12-11-2020
	Decorator		https://www.youtube.com/watch?v=o-h8OpfacKY	https://www.tutorialspoint.com/design_pattern/decorator_pattern.htm	12-11-2020
	Facade		https://www.tutorialspoint.com/design_pattern/facade_pattern.htm#:~:text=Facade%20pattern%20hides%20the%20complexities,system%20to%20hide%20its%20complexities.	https://www.youtube.com/watch?v=TUGjjwk9DZo	19-11-2020
	Facade		https://www.tutorialspoint.com/design_pattern/facade_pattern.htm#:~:text=Facade%	https://www.youtube.com/watch?v=TUGjjwk9DZo	19-11-2020

			20pattern%20hides%20the%20complexities,system%20to%20hide%20its%20complexities.		
	Flyweight		https://www.tutorialspoint.com/design_pattern/flyweight_pattern.htm#:~:text=Flyweight%20pattern%20is%20primarily%20used,the%20object%20structure%20of%20application.	https://www.youtube.com/watch?v=OExJnw_dk9U	23-11-2020
	Proxy		https://www.youtube.com/watch?v=db9HiagrQkc	https://www.tutorialspoint.com/internet_technologies/proxy_servers.htm	23-11-2020

Assignment: Objective question will be given at the end of the module

Model question are share at the end of the module

Modules-4	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
Interactive systems and the MVC architecture	Introduction	Will be shared in google classroom	https://www.youtube.com/watch?v=0UVfvJJRtSU	https://www.tutorialspoint.com/mvc_framework/mvc_framework_introduction.htm#:~:text=The%20Model%2DView%2DController%20(,development%20aspects%20of%20an%20application.	26-11-2020
	The MVC architectural pattern		https://www.youtube.com/watch?v=0UVfvJJRtSU	https://www.tutorialspoint.com/mvc_framework/mvc_framework_introduction.htm#:~:text=The%20Model%2DView%2DController%20(,development%20aspects%20of%20an%20application.	26-11-2020
	Analyzing a simple drawing program		https://www.youtube.com/watch?v=3bfJ5AORAJQ	https://www.tutorialspoint.com/software_engineering/software_analysis_design_tools.htm	30-11-2020
	Designing the system		https://www.youtube.com/watch?v=nzLvmyBgOfk	https://www.tutorialspoint.com/system_analysis_and_design/index.htm	30-11-2020
	Designing of the subsystems		https://www.youtube.com/watch?v=KN3elXciUec	https://www.tutorialspoint.com/system_analysis_and_design/system_analysis_and_design_overview.htm	03-12-2020
	Getting into implementation		https://www.tutorialspoint.com/tutor/rajesh_pandey/11505	https://www.tutorialspoint.com/struts_2/basic_mvc_architecture.htm	03-12-2020
	Implementing undo operation		https://www.youtube.com/watch?v=CGY5ndGdB94	https://www.tutorialspoint.com/mvc_framework/mvc_framework_quick_guide.htm	07-12-2020

	Drawing incomplete items		https://www.youtube.com/watch?v=dgYJmclPsEQ	https://www.tutorialspoint.com/struts2/basic_mvc_architecture.htm	07-12-2020
	Adding a new feature		https://www.tutorialspoint.com/tutor/rajesh_pandey/11505	https://www.tutorialspoint.com/asp.net_mvc/index.htm	10-12-2020
	Pattern based solutions		https://www.youtube.com/watch?v=0UVfvJJRtSU	https://www.tutorialspoint.com/design_pattern/mvc_pattern.htm	10-12-2020

Assignment: Objective question will be given at the end of the module
Model question are share at the end of the module

Modules-5	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
Designing with Distributed Objects	Client server system	Will be shared in google classroom	https://www.youtube.com/watch?v=S1jdUKetxig	https://www.tutorialspoint.com/Structure-of-a-Client-Server-System	14-12-2020
	Java remote method invocation		https://www.youtube.com/watch?v=mdqR7oy8N-s	https://www.tutorialspoint.com/java_rmi/java_rmi_introduction.htm#:~:text=RMI%20stands%20for%20Remote%20Method,provided%20in%20the%20package%20java.	17-12-2020
	Implementing an object oriented system on the web		https://www.youtube.com/watch?v=I55MgvJ5YN0	https://www.tutorialspoint.com/object_oriented_analysis_design/ooad_object_oriented_system.htm	21-12-2020
	Discussions and further reading		https://www.youtube.com/watch?v=I55MgvJ5YN0	https://www.tutorialspoint.com/object_oriented_analysis_design/ooad_object_oriented_system.htm	24-12-2020
	A note on input and output		https://www.youtube.com/watch?v=LIPDykVu1Fg	https://www.tutorialspoint.com/system_analysis_and_design/object_oriented_approach.htm	24-12-2020
	Selection statements		https://www.youtube.com/watch?v=I55MgvJ5YN0	https://www.tutorialspoint.com/distributed_dbms/distributed_dbms_quick_guide.htm	28-12-2020
	Loops arrays		https://www.youtube.com/watch?v=hhScibE9dJw	https://www.tutorialspoint.com/java/java_overview.htm	28-12-2020

Assignment: Objective question will be given at the end of the module
Model question are share at the end of the module

7TH ISE- 17CS73 – MACHINE LEARNING

Modules	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]	
Module-1: Introduction and Concept Learning	Introduction: Well posed learning problems	Will be mailed to group mail ID	https://www.youtube.com/watch?reload=9&v=zJ354mpf0ZY	http://ocw.snu.ac.kr/sites/default/files/NOTE/3575.pdf	01/09/2020	
	Designing a Learning system		https://www.youtube.com/watch?v=M3nWgK9C77Y&t=171s		03/09/2020	
	Designing a Learning system (Continue)				08/09/2020	
	Perspective and Issues in Machine Learning				11/09/2020	
	Concept Learning: Concept learning task				https://www.studytonight.com/post/what-is-concept-learning-in-ml	15/09/2020
	Concept learning as search			https://www.youtube.com/watch?v=2C4GiluGkSY	https://web.cs.hacettepe.edu.tr/~ilyas/Courses/BIL712/lec01-conceptLearning.pdf	18/09/2020
	Find-S algorithm			https://www.youtube.com/watch?v=ncOirIPHTow	https://www.edureka.co/blog/find-s-algorithm-in-machine-learning/	22/09/2020
	Version space			https://www.youtube.com/watch?v=TIkMkC64XpE	http://www2.cs.uregina.ca/~dbd/cs831/notes/ml/vspace/3_vspace.html	
	Candidate Elimination algorithm			https://www.youtube.com/watch?v=cW03t3aZkmE	http://artint.info/html/ArtInt_193.html	
Inductive Bias		https://www.youtube.com/watch?v=dYMCwxgl3vk	https://medium.com/@pralhad2481/chapter-2-inductive-bias-part-3-e94ffc302670	25/09/2020		
Assignment: Objective question will be given at the end of the module						
Model question are share at the end of the module						
Modules-2	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]	
Module 2: DECISION TREE LEARNING	Decision tree representation		https://www.youtube.com/watch?v=FuJVLsZYkuE	https://towardsdatascience.com/decision-tree-in-machine-learning-e380942a4c96	29/09/2020	
	Decision tree representation (Continue)		https://www.youtube.com/watch?v=FuJVLsZYkuE	https://www.javatpoint.com/machine-learning-decision-tree-	6/10/2020	

	Appropriate problems for decision tree learning		https://www.youtube.com/watch?v=FuJVLsZYkuE	https://www.geeksforgeeks.org/decision-tree-introduction-example/	9/10/2020
	Basic decision tree learning algorithm		https://www.youtube.com/watch?v=RmajweUfKvM	https://www.analyticsvidhya.com/blog/2020/06/4-ways-split-decision-tree/	13/10/2020
	hypothesis space search in decision tree learning		https://www.youtube.com/watch?v=RmajweUfKvM	https://web.cs.hacettepe.edu.tr/~ilyas/Courses/BIL712/lec02-DecisionTree.pdf	16/10/2020
	hypothesis space search in decision tree learning (Continue)		https://www.youtube.com/watch?v=RmajweUfKvM	https://web.cs.hacettepe.edu.tr/~ilyas/Courses/BIL712/lec02-DecisionTree.pdf	20/10/2020
	Inductive bias in decision tree learning		https://www.youtube.com/watch?v=PHxYNGo8NcI	https://web.cs.hacettepe.edu.tr/~ilyas/Courses/BIL712/lec02-DecisionTree.pdf	23/10/2020
	Inductive bias in decision tree learning (Continue)		https://www.youtube.com/watch?v=drna_Y3YNH0	https://web.cs.hacettepe.edu.tr/~ilyas/Courses/BIL712/lec02-DecisionTree.pdf	27/10/2020
	Issues in decision tree learning		https://www.youtube.com/watch?v=YfLg3NSfY2o	https://medium.com/@pralhad2481/chapter-3-decision-tree-learning-part-2-issues-in-decision-tree-learning-babdfdf15ec3	30/10/2020

	Issues in decision tree learning (Continue)		https://www.youtube.com/watch?v=YfLg3NSfY2o	https://medium.com/@pralhad2481/chapter-3-decision-tree-learning-part-2-issues-in-decision-tree-learning-babdfdf15ec3	30/10/2020
Assignment: Objective question will be given at the end of the module					
Model question are share at the end of the module					
Modules-3	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
Module 3: Artificial Neural Networks	Artificial Neural Networks: Introduction		https://www.youtube.com/watch?v=bfmFfD2RIc_g	https://towardsdatascience.com/introduction-to-artificial-neural-networks-5036081137bb	3/11/2020
	Neural Network representation		https://www.youtube.com/watch?v=aircAruvnKk	https://www.kdnuggets.com/2019/10/introduction-artificial-neural-networks.html	6/11/2020
	Appropriate problems		https://www.youtube.com/watch?v=aircAruvnKk	https://www.kdnuggets.com/2019/10/introduction-artificial-neural-networks.html	10/11/2020
	Appropriate problems (Continue)		https://www.youtube.com/watch?v=aircAruvnKk	https://www.kdnuggets.com/2019/10/introduction-artificial-neural-networks.html	13/11/2020
	Perceptrons		https://www.youtube.com/watch?v=4Gac5I64LM4	https://towardsdatascience.com/what-is-a-perceptron-210a50190c3b	17/11/2020
	Perceptrons (Continue)		https://www.youtube.com/watch?v=4Gac5I64LM4	https://deepai.org/machine-learning-glossary-and-terms/perceptron	24/11/2020

				https://towardsdatascience.com/what-the-hell-is-perceptron-626217814f53	
	Backpropagation algorithm		https://www.youtube.com/watch?v=Ilg3gGewQ5U	http://neuralnetworksanddeeplearning.com/chap2.html	27/11/2020
Assignment: Objective question will be given at the end of the module					
Model question are share at the end of the module					
Modules-4	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
Module 4: Bayesian Learning	Bayesian Learning: Introduction		https://www.youtube.com/watch?v=OFOQoMCSKJ4	https://wso2.com/blog/research/part-one-introduction-to-bayesian-learning	1/12/2020
	Bayes theorem		https://www.youtube.com/watch?v=XQoLV131ZfQ	https://www.mathsisfun.com/data/bayes-theorem.html	Online class
	Bayes theorem and concept Learning		https://www.youtube.com/watch?v=qVRf3cvINPY	https://www.cs.auckland.ac.nz/~pat/706_98/ln/node234.html	Online class
	Bayes theorem and concept Learning (Continue)		https://www.youtube.com/watch?v=qVRf3cvINPY	https://www.cs.auckland.ac.nz/~pat/706_98/ln/node234.html	Online class
	Bayes theorem (problem)		https://www.statisticshowto.com/bayes-theorem-problems/	https://www.youtube.com/watch?v=qVRf3cvINPY	Online class
	ML and LS error hypothesis		https://towardsdatascience.com/where-did-the-least-square-come-from-	https://www.youtube.com/watch?v=raGRUmfHTFY	Online class

			<u>3f1abc7f7caf</u>		
	ML for predicting probabilities		<u>https://machinelearningmastery.com/how-to-score-probability-predictions-in-python/</u>	<u>https://www.youtube.com/watch?v=8bK-xfh8-rY</u>	Online class
	MDL principle and Naive Bayes classifier		<u>https://profs.info.uaic.ro/~ciortuz/SLIDES/ml6.pdf</u>	<u>https://www.youtube.com/watch?v=PPeaRc-r1OI</u>	Online class
	Bayesian belief networks		<u>https://towardsdatascience.com/introduction-to-bayesian-belief-networks-c012e3f59f1b</u>	<u>https://www.youtube.com/watch?v=480a_2jRdKO</u>	Online class
	Bayesian belief networks (Continue)		<u>https://towardsdatascience.com/introduction-to-bayesian-belief-networks-c012e3f59f1b</u>	<u>https://www.youtube.com/watch?v=480a_2jRdKO</u>	Online class
	EM algorithm		<u>https://machinelearningmastery.com/expectation-maximization-em-algorithm/</u>	<u>https://www.youtube.com/watch?v=DIADjJXrgps</u>	Online class
	EM algorithm (k-means)		<u>https://machinelearningmastery.com/expectation-maximization-em-</u>	<u>https://www.youtube.com/watch?v=DIADjJXrgps</u>	Online class

			<u>algorithm/</u>		
Assignment: Objective question will be given at the end of the module					
Model question are share at the end of the module					
Modules-5	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
Module 5: Evaluating Hypothesis:	Motivation, Estimating hypothesis		<u>https://www.khanacademy.org/math/statistics-probability/significance-tests-one-sample/idea-of-significance-tests/v/simple-hypothesis-testing</u>	<u>http://www.cs.northwestern.edu/~pardo/courses/eecs349/readings/chapter5-ml.pdf</u>	Online class
	Basics of sampling theorem		<u>https://towardsdatascience.com/everything-you-need-to-know-about-hypothesis-testing-part-i-4de9abebbc8a</u>	<u>https://www.youtube.com/watch?v=iQaFDpiNOIA</u>	Online class
	General approach for deriving confidence intervals		<u>https://machinelearningmastery.com/confidence-intervals-for-machine-learning/</u>	<u>https://www.youtube.com/watch?v=-iYDu8fIFXQ</u>	Online class
	Difference in error of two hypothesis		<u>https://www.bmj.com/about-bmj/resources-readers/publications/statistics-square-one/5-</u>	<u>https://study.com/academy/lesson/type-i-type-ii-errors-in-hypothesis-testing-differences-lesson-quiz.html</u>	Online class

			<u>differences-between-means-type-i-an</u>		
	Comparing learning algorithms		<u>https://machinelearningmastery.com/compare-machine-learning-algorithms-python-scikit-learn/</u>	<u>https://www.youtube.com/watch?v=652gbOnC-GM</u>	Online class
	Instance Based Learning: Introduction		<u>https://www.geeksforgeeks.org/instance-based-learning/</u>	<u>https://www.youtube.com/watch?v=yZBKzXjSg1k</u>	Online class
	k-nearest neighbour learning		<u>https://www.javatpoint.com/k-nearest-neighbor-algorithm-for-machine-learning</u>	<u>https://www.youtube.com/watch?v=wTF6vzS9fy4</u>	Online class
	Locally weighted regression		<u>https://www.geeksforgeeks.org/ml-locally-weighted-linear-regression/</u>	<u>https://www.youtube.com/watch?v=TzjGoHb4ecY</u>	Online class
	radial basis function		<u>https://towardsdatascience.com/radial-basis-functions-neural-networks-all-we-need-to-know-9a88cc053448</u>	<u>https://www.youtube.com/watch?v=O8CfrnOPTLc</u>	Online class

	cased-based reasoning		https://ibug.doc.ic.ac.uk/media/uploads/documents/courses/syllabus-CBR.pdf	https://www.youtube.com/watch?v=8p7dzVSr4XU	Online class
	Reinforcement Learning: Introduction, Learning Task		https://www.analyticsvidhya.com/blog/2017/01/introduction-to-reinforcement-learning-implementation/	https://www.youtube.com/watch?v=JgvyzIkgxF0	Online class
	Q Learning		https://towardsdatascience.com/simple-reinforcement-learning-q-learning-fcddc4b6fe56#:~:text=Q%20learning%20is%20an%20off,a%20policy%20isn't%20needed.	https://www.youtube.com/watch?v=qhRNvCVVJaA	Online class

Assignment: Objective question will be given at the end of the module
Model question are share at the end of the module

7TH ISE- 17CS743 – INFORMATION & NETWORK SECURITY

Modules	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
Moudule-1: Introduction. Crypto	Over view of INS modules	Will be mailed to group mail ID	https://www.youtube.com/watch?v=vdr74e7D9IU&list=PLQEA KfSI2JLOzrgaQOgF6S3PqXs2zR614	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zbkOto1X8	1/9/2020
	Crypto introduction	Will be mailed to group mail ID	https://www.youtube.com/watch?v=vdr74e7D9IU&list=PLQEA KfSI2JLOzrgaQOgF6S3PqXs2zR614	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zbkOto1X8	3/9/2020
	Classical cryptography	Will be mailed to group mail ID	https://www.youtube.com/watch?v=vdr74e7D9IU&list=PLQEA KfSI2JLOzrgaQOgF6S3PqXs2zR614	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zbkOto1X8	8/9/2020
	Classical cryptography cryptanalysis	Will be mailed to group mail ID	https://www.youtube.com/watch?v=mXBcN_4rDsQ&list=PLQEA KfSI2JLOzrgaQOgF6S3PqXs2zR614&index=2	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zbkOto1X8	10/9/2020
	History of cryptography	Will be mailed to group mail ID	https://www.youtube.com/watch?v=mXBcN_4rDsQ&list=PLQEA KfSI2JLOzrgaQOgF6S3PqXs2zR614	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zbkOto1X8	15/09/20

			614&index=2		
	History of cryptography and cryptanalysis	Will be mailed to group mail ID	https://www.youtube.com/watch?v=mXBcN_4rDsQ&list=PLQEAkFSi2JLOzrgaQOgF6S3PqXs2zR614&index=2	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zkbkOt01X8	17/09/20

Assignment: Objective question will be given at the end of the module
Model question are share at the end of the module

Modules-2: CHF	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
	Hash fucion properties	Will be mailed to group mail ID	https://www.youtube.com/watch?v=4r2BzB8P6Nk&list=PLQEAkFSi2JLOzrgaQOgF6S3PqXs2zR614&index=29	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zkbkOt01X8	22/09/20
	Hash function application	Will be mailed to group mail ID	https://www.youtube.com/watch?v=4r2BzB8P6Nk&list=PLQEAkFSi2JLOzrgaQOgF6S3PqXs2zR614&index=29	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zkbkOt01X8	24/09/20
	Hashes and tiger hash	Will be mailed to group mail ID	https://www.youtube.com/watch?v=joY17Kzt4pU&list=PLQEAkfSi2JLOzrgaQOgF6S3PqXs2zR614&index=32	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zkbkOto1X8	29/09/20
	Hash for online bid and Spam Reduction,	Will be mailed to group mail ID	https://www.youtube.com/watch?v=joY17Kzt4pU&list=PLQEAk	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zkbkOto1X8	01/10/20

			fSI2JLOzrgaQOgF6S3PqXs2zR614 &index=32	
Secrete sharing & Visual Cryptography	Will be mailed to group mail ID	https://www.youtube.com/watch?v=joY17Kzt4pU&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=32	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zbkOto1X8	06/10/20
Random Numbers, Poker, Randomness	Will be mailed to group mail ID	https://www.youtube.com/watch?v=6a1Ajhqtmo&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=35	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zbkOto1X8	08/10/20
Information Hiding by Water marking	Will be mailed to group mail ID	https://www.youtube.com/watch?v=5UuJMP6VWn8&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=36	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zbkOto1X8	13/10/20
Information Hiding by Steganography	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zbkOto1X8	15/10/20
Discussion on module1 and assignment	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zbkOto1X8	19/10/20
Discussion on module2 topics	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zbkOto1X8	23/10/20

			614&index=37	o1X8	
	Discussion on Module1 question paper	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zbnkOto1X8	27/10/20
	Discussion on Module2 question paper	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zbnkOto1X8	29/10/20
Modules-3: RN&EA	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
	Random number generation Providing freshness	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zbnkOto1X8	3/11/20
	Fundamentals of entity 8 Hours authentication	Fundamentals of entity 8 Hours authentication	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zbnkOto1X8	5/11/20
	Passwords Dynamic password schemes	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zbnkOto1X8	10/11/20

	Zero-knowledge mechanisms Further reading	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	12/11/20
	Cryptographic Protocols Protocol basics From	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	17/11/20
	objectives to a protocol Analysing a simple	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	19/11/20
	protocol Authentication and key establishment protocols	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	01/12/20
Module – 4	Key management fundamentals Key lengths and lifetimes	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	03/12/20
	Key generation Key 8 Hours establishment	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	08/12/20

	Key storage Key usage Governing key management	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	10/12/20
	Public-Key Management Certification of public keys	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	15/12/20
	The certificate lifecycle Public-key management models	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	17/11/20
	Alternative approaches	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	22/12/20
	Alternative approaches	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	24/12/20
	Alternative approaches	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	29/12/20

Module – 5	Cryptography on the Internet Cryptography	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	31/12/20
	C wireless local area networks	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	January 2021
	Cryptography for mobile telecommunications	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	January 2021
	Cryptography for secure payment card transactions	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	January 2021
	Cryptography for video broadcasting	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	January 2021
	Cryptography for identity cards	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	January 2021

	Cryptography for home users	Will be mailed to group mail ID	https://www.youtube.com/watch?v=OVheD_28Hjw&list=PLQEAKfSI2JLOzrgaQOgF6S3PqXs2zR614&index=37	https://drive.google.com/drive/folders/1dElcSiK2Xlzb4zgALPoVkg8zBkOto1X8	January 2021
Assignment: Objective question will be given at the end of the module Model question are share at the end of the module					

7TH ISE- 17CS754 – STORAGE AREA NETWORKS

Modules	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
Module-1:	L1 - Introduction to evolution of storage architecture, Key data centre elements	Will be mailed to group mail ID	https://www.youtube.com/watch?v=1liG03PCRvE https://www.youtube.com/watch?v=33xoF1Nb4d0	https://drive.google.com/file/d/1A-0IGfKYIWSOPPstajf6o_IV_83Oawv7/view?usp=sharing	02/09/2020
	L2- Virtualization and cloud computing, Key data centre elements	Will be mailed to group mail ID	https://www.youtube.com/watch?v=14JoDs6reg https://www.youtube.com/watch?v=l0DfHUYWmjsU	https://drive.google.com/file/d/1OADVHWWhGv4iRj9khAo5o7ZkPILjLwpu2/view?usp=sharing	04/09/2020
	L3 - Host connectivity, storage, application in both classic and virtual environments	Will be mailed to group mail ID	https://www.youtube.com/watch?v=s8cPheRCltc	https://drive.google.com/file/d/1mbwcnOigbloYRCUqS0ldhGn0_9EnfDCx/view?usp=sharing	09/09/2020
	L4- RAID implementations	Will be mailed to group mail ID	https://www.youtube.com/watch?v=SdB_10hIh94 https://www.youtube.com/watch?v=YDkEehKxJN0	https://drive.google.com/file/d/1LiY5qUtnHkAPG90zCOBKdDcnLnmCqDRM/view?usp=sharing https://drive.google.com/file/d/1aTlJwNEuNr9hmq6PNsQzHHSeCK0vmAyY/view?usp=sharing https://drive.google.com/file/d/1hQtcmX-8DU_UueEcV2NcsWh_D5OSPjKS/view?usp=sharing	11/09/2020
	L5 - Techniques and levels with impact of RAID on application performance	Will be mailed to group mail ID	https://www.youtube.com/watch?v=HhNJGVyzODw https://www.youtube.com/watch?v=LJSWo_QZcGI	https://drive.google.com/file/d/1W0nH9zKMMV7LgbH7AuwsNVLmbeEVYvo1V/view?usp=sharing https://drive.google.com/file/d/170DeoRBritsXMPcAOWa14QBOMJgv-	16/09/2020

				kdZ/view?usp=sharing	
L6 - Techniques and levels with impact of RAID on application performance	Will be mailed to group mail ID	https://www.youtube.com/watch?v=HhNJGVyz0Dw https://www.youtube.com/watch?v=LJSWo_QZcGI	https://drive.google.com/file/d/1W0nH9zKMV7LGbH7AuwsNVLMbeEVYvo1V/view?usp=sharing https://drive.google.com/file/d/170DeoRBritsXMPcAOWa14QBOMJgv-kdZ/view?usp=sharing	18/09/2020	
L7 - Techniques and levels with impact of RAID on application performance	Will be mailed to group mail ID	https://www.youtube.com/watch?v=HhNJGVyz0Dw https://www.youtube.com/watch?v=LJSWo_QZcGI	https://drive.google.com/file/d/1W0nH9zKMV7LGbH7AuwsNVLMbeEVYvo1V/view?usp=sharing https://drive.google.com/file/d/170DeoRBritsXMPcAOWa14QBOMJgv-kdZ/view?usp=sharing	21/09/2020	
L8 - Components of intelligent storage systems	Will be mailed to group mail ID	https://www.youtube.com/watch?v=xOk9-ZwW6-o https://www.youtube.com/watch?v=F73K6G73_qg	https://drive.google.com/file/d/1LyH7fYJ68fNLGvBwHDj6M4HxczDmzbN-/view?usp=sharing	25/09/2020	
L9- Virtual storage provisioning	Will be mailed to group mail ID	https://www.youtube.com/watch?v=q6P0ecHwmnY https://www.youtube.com/watch?v=IQ8SMvjTI5k	https://drive.google.com/file/d/1LyH7fYJ68fNLGvBwHDj6M4HxczDmzbN-/view?usp=sharing	25/09/2020	
L10- Intelligent storage system implementations	Will be mailed to group mail ID	https://www.youtube.com/watch?v=xOk9-ZwW6-o&t=4s https://www.youtube.com/watch?v=6rK8Nh_4y-U	https://drive.google.com/file/d/1LyH7fYJ68fNLGvBwHDj6M4HxczDmzbN-/view?usp=sharing	25/09/2020	
L11 - Virtual storage provisioning	Will be mailed to group	https://www.vmware.com/topics/glossary/content/storage-area-network-san	https://drive.google.com/file/d/1QWcuxAdAxqGEUc18BR_N3XFaBr	30/09/2020	

		mail ID			
Assignment: Objective question will be given at the end of the module					
Model question are share at the end of the module					
Modules-2	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
	L12 - Connectivity options and topologies, Zoning	Will be mailed to group mail ID	https://www.youtube.com/watch?v=F73K6G73_qg	https://drive.google.com/file/d/1t5ChNxdByiU0zQ2ioZS4jk2Jj6yVvJ-g/view?usp=sharing	07/10/2020
	L13 - FC protocol stack, addressing, SAN based virtualization	Will be mailed to group mail ID	https://www.vmware.com/topics/glossary/content/storage-area-network-san	https://drive.google.com/file/d/1D3v4cMLSURailCtiUYzoMoOjZgEUfCKv/view?usp=sharing	09/10/2020
	L14 - iSCSI and FCIP protocol stack	Will be mailed to group mail ID	https://searchstorage.techtarget.com/definition/iSCSI	https://drive.google.com/file/d/1DvRi13wki9WealufO8OBwnextg-vmMpJ/view?usp=sharing	14/10/2020
	L15 - iSCSI discovery names session and introduction of FCIP	Will be mailed to group mail ID	https://www.michellelaverick.com/2014/01/back-to-basics-configuring-storage-iscsi-part-2-of-6/	https://drive.google.com/file/d/1Lqa5AKO-dDLVlKln3O1mpp0AzSzQD6r2/view?usp=sharing	16/10/2020
	L16 - iSCSI command sequencing and FCIP	Will be mailed to group mail ID	https://www.pdl.cmu.edu/mailnlists/ips/mail/msg11010.html	https://drive.google.com/file/d/1LsBoWi4NBGZ3bZt51DXx6GSRrdtLTe91/view?usp=sharing	21/10/2020
	L17- Components of FCOE, Frame structure, technologies	Will be mailed to group mail ID	https://searchstorage.techtarget.com/definition/FCoE-Fibre-Channel-over-Ethernet	https://drive.google.com/file/d/1SW1k9bjXpJsVJiCxfYCwtat8yl69mU2s/view?usp=sharing	21/10/2020
	L18 - NAS	Will be mailed to group mail ID	https://searchstorage.techtarget.com/definition/FCoE-Fibre-Channel-over-Ethernet	https://drive.google.com/file/d/1-wPW3TvkQe6mlwdAyQAuu24h-wcQYR1/view?usp=sharing	28/10/2020
	L19 - CIFS, NFS implementations	Will be mailed to group mail ID	https://www.michellelaverick.com/2014/01/back-to-basics-configuring-storage-iscsi-part-2-of-6/	https://drive.google.com/file/d/1Ba7y7_EKE_xxAEugFIXfXZBvhVqiVKj_/view?usp=sharing	04/11/2020
	L20 - Object based storage devices	Will be mailed to group mail ID	https://www.youtube.com/watch?v=F73K6G73_qg	https://drive.google.com/file/d/1l9ZNb9jYXzg8Dzs13Pafa-lqn4JHm1xB/view?usp=sharing	06/11/2020
	L21- Components of unified storage	Will be	https://slideplayer.com/slide/71	https://drive.google.com/file/d/1sn-	11/11/2020

		mailed to group mail ID	09942/	POSnUbc4fqDkr7oaXTOyOui118Jht/view?usp=sharing	
Assignment: Objective question will be given at the end of the module					
Model question are share at the end of the module					
Modules-3	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
	L22 - Business continuity and components	Will be mailed to group mail ID	https://searchdisasterrecovery.techtarget.com/definition/business-continuity	https://drive.google.com/file/d/1Rdz_Q2EGKqifLOWcnV569QMuBKykNfsb/view?usp=sharing	13/11/2020
	L23- clustering and multipathing architecture	Will be mailed to group mail ID	https://searchstorage.techtarget.com/definition/storage-area-network-SAN https://mediacenter.ibm.com/media/Clustering+concepts/0_825Okkoc	https://drive.google.com/file/d/1dGza0Q55klccd4n3ZSHwefsJq6cyFiE/view?usp=sharing	02/12/2020 (M)
	L24- Backup and recovery methods, targets and topologies	Will be mailed to group mail ID	https://www.accuwebhosting.com/blog/5-things-know-storage-area-network-san-options/ https://searchdatabackup.techtarget.com/feature/Full-incremental-or-differential-How-to-choose-the-correct-backup-type	https://drive.google.com/file/d/1dGza0Q55klccd4n3ZSHwefsJq6cyFiE/view?usp=sharing	04/12/2020
	L25- Data duplication in backup, fixed content and data archive	Will be mailed to group mail ID	https://searchdatabackup.techtarget.com/definition/global-data-deduplication https://www.komprise.com/glossary/terms/data-archiving/ https://www.heimkaup.is/information-storage-and-management-storing-managing-and-protecting-digital-information-in-classic-virtualized-and-cloud-environments-1?vid=136431	https://drive.google.com/file/d/1dGza0Q55klccd4n3ZSHwefsJq6cyFiE/view?usp=sharing	09/12/2020 (M)

	L26-local replication, remote replication, three site remote replication, cloud migration considerations	Will be mailed to group mail ID	https://www.youtube.com/watch?v=c4Wx34-loKg https://www.youtube.com/watch?v=sICQGPnIKbE https://www.youtube.com/watch?v=FipOZJJzVEQ cloud migration considerations	https://drive.google.com/file/d/1dGza0Q55klccd4n3ZSHwefsJq6cyFiE/view?usp=sharing	11/12/2020
--	--	---------------------------------	---	---	------------

Assignment: Objective question will be given at the end of the module

Model question are share at the end of the module

Modules-4	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
	L27-Definition and business drivers for cloud computing,	Will be mailed to group mail ID	https://www.vmware.com/topics/glossary/content/storage-area-network-san https://www.vmware.com/topics/glossary/content/storage-area-network-san https://www.vmware.com/topics/glossary/content/storage-area-network-san	https://drive.google.com/file/d/1dGza0Q55klccd4n3ZSHwefsJq6cyFiE/view?usp=sharing	16/12/2020 (M)
	L28- characteristics of cloud computing	Will be mailed to group mail ID	https://searchcloudcomputing.techtarget.com/feature/7-key-characteristics-of-cloud-computing https://www.coursera.org/lecture/introduction-to-cloud/definition-and-essential-characteristics-of-cloud-computing-2ev7i https://www.sureworks.in/blog/10-characteristics-of-cloud-computing	https://drive.google.com/file/d/1dGza0Q55klccd4n3ZSHwefsJq6cyFiE/view?usp=sharing	18/12/2020
	L29- steps involved in transition from classic to cloud computing	Will be mailed to group mail ID	https://www.analyticssteps.com/blogs/a-beginners-guide-to-cloud-computing	https://drive.google.com/file/d/1dGza0Q55klccd4n3ZSHwefsJq6cyFiE/view?usp=sharing	23/12/2020 (M)

			https://www.analyticssteps.com/blogs/a-beginners-guide-to-cloud-computing		
	L30 - services and deployment levels, cloud migration considerations, cloud infrastructure components	Will be mailed to group mail ID	https://www.hpe.com/us/en/storage/networking.html https://cloudacademy.com/blog/cloud-migration-benefits-risks/ https://www.coursera.org/lecture/introduction-to-cloud/overview-of-cloud-infrastructure-FpfkT	https://drive.google.com/file/d/1dGza0Q55klccd4n3ZSHwefsJq6cyFiE/view?usp=sharing	30/12/2020 (M)
Assignment: Objective question will be given at the end of the module					
Model question are share at the end of the module					
Modules-5	Topics [1hr each]	PPT	Video Links	E- Materials	Date[2 hours]
Assignment: Objective question will be given at the end of the module					
Model question are share at the end of the module					

Class Adviser-