

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

Session wise – Lesson Plan

Department of Information Science and Engineering

SEMESTER : VII -B NAME OF THE FACULTY : Sheetal R
BRANCH : ISE DATE OF COMMENCEMENT : 17/8/2017
SUBJECT : Programming the Web DATE OF CLOSING : 16/11/2017

SUBJECT CODE: 10CS43 CLASS STRENGTH: 49 NO OF HRS/WK: 5 TOTAL HRS: 54

Sessi on No	Chapter no (No of hrs planed for the chapter)	DATE	Topics planned for the session	Teaching Aids	Assignm ents/ Tests planned for the chapter	Topics covered As per plan
1	1/1	17/8	Fundamentals of Web, XHTML – 1: Internet, WWW, Web Browsers and Web Servers	Chalk & Talk/ Hands- on	1	
2	2/1	17/8	URLs, MIME, HTTP	22		
3	3/1	18/8	The Web Programmers Toolbox.			
4	4/1	21/8	XHTML: Basic syntax, Standard structure	"		
5	5/1	21/8	Basic text markup	"	Assignm ent- I	
6	6/1	22/8	Images, Hypertext Links.	"		
7	1/2	24/8	XHTML – 2, CSS: XHTML (continued): Lists, Tables	77		
8	2/2	24/8	Frames CSS: Introduction, Levels of style sheets	٤٠		
9	3/2	28/8	Style specification formats, Selector forms			
10	4/2	30/8	Property value forms, Font	22		
11	5/2	30/8	List properties, Color properties	22		

12	6/2	31/8	Alignment of text, The box model, Background images	,,	Assignm ent- II
13	7/2	4/9	The and<div> tags, Conflict resolution.</div>		
14	1/3	4/9	Javascript: Overview of Javascript, Object orientation and Javascript		
15	2/3	5/9	Syntactic characteristics, Primitives, operations, and expressions		
16	3/3	7/9	Screen output and keyboard input	"	
17	4/3	7/9	Control statements, Object creation and modification	"	
18	5/3	8/9	Arrays, Functions, Constructors,	"	
19	6/3	11/9	Pattern matching using regular expressions	"	
20	7/3	11/9	Errors in scripts, Examples	()	Assignm ent –III
21	1/4	12/9	Javascript and HTML Documents, Dynamic Documents with Javascript: The Javascript execution environment, The Document Object Model		
22	2/4	14/9	Element access in Javascript, Events and event handling, Handling events from the Body elements	"	
23	3/4	14/9	Button elements, Text box and Password elements	"	
24	4/4	15/9	The DOM 2 event model, The navigator object DOM tree traversal and modification	22	
25	5/4	23/9	Introduction to dynamic documents, Positioning elements, Moving elements	"	
26	6/4	23/9	Element visibility, Changing colors and fonts, Dynamic content		
27	7/4	25/9	Stacking elements, Locating the mouse cursor, Reacting to a mouse click, Slow movement of elements, Dragging and dropping elements.		
28	1/5	27/9	XML: Introduction, Syntax, Document structure,		Assignm ent –IV
29	2/5	27/9	Namespaces, XML schemas	"	
30	3/5	28/9	Displaying raw XML documents	22	
31	4/5	4/10	Displaying XML documents with CSS, XSLT style sheets	22	

32	5/5	4/10	XML processors	د ۶	
33	6/5	9/10	Web services.		
34	1/6	9/10	Perl, CGI Programming: Origins and uses of Perl,	"	Assignm ent –V
35	2/6	10/10	Scalars and their operations,	22	
36	3/6	12/10	Assignment statements and simple input and output, Control statements	"	
37	4/6	12/10	Fundamentals of arrays, Hashes, References, Functions, Pattern matching, File input and output; Examples	"	
38	5/6	16/10	The Common Gateway Interface; CGI linkage	"	
39	6/6	16/10	Query string format; CGI.pm module; A survey example; Cookies.		
40	7/6	17/10	Database access with Perl and MySQL		
41	1/7	24/10	PHP: Origins and uses of PHP, Overview of PHP, General syntactic characteristics	"	Assignm ent –VI
42	2/7	24/10	Primitives, operations and expressions	"	
43	3/7	27/10	Output, Control statements, Arrays, Functions	>>	
44	4/7	27/10	Pattern matching	<i>د</i> ۲	
45	5/7	28/10	Form handling, Files, Cookies	"	
46	6/7	31/10	Session tracking, Database access with PHP and MySQL	"	
47	1/8	31/10	Ruby, Rails: Origins and uses of Ruby, Scalar types and their operations	22	
48	2/8	4/11	Simple input and output, Control statements	"	Assignm ent –VII
49	3/8	4/11	Arrays, Hashes, Methods	"	
50	4/8	9/11	Classes, Code blocks and iterators		
51	5/8	13/11	Pattern matching.		
52	6/8	13/11	Overview of Rails, Document requests	"	Assignm ent –VIII

53	7/8	16/11	Processing forms Rails applications with Databases,	67	
54	8/8	16/11	Layouts	"	

Syllabus for Internal Assessment Tests (IAT)*

Sessional #	Syllabus
T1	1-20
T2	21-44
Improvement	45-49
Test	43-43

^{*:} See calendar of events for the schedules of IATs.

Literature:

Book Type	Code	Author & Title	Publication info		
			Edition & Publisher	ISBN#	
Text Book	TB1	Robert W. Sebesta: Programming the World Wide Web	4 th Edition, Pearson Education, 2008.	978-81-317- 2417-0	
Reference Book	RB1	M. Deitel, P.J. Deitel, A. B. Goldberg: Internet & World Wide Web How to Program	4 th Edition, Pearson Education, 2004		
Reference Book	RB2	Chris Bates: Web Programming Building Internet Applications	3 rd Edition, Wiley India, 2007.	978-81-265- 1290-4	
Reference Book	RB2	Xue Bai et al: The web Warrior Guide to Web Programming	Cengage Learning, 2003		

Signature of faculty

Signature of HOD

Signature of Principal



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Session wise – Lesson Plan

Department of Information Science and Engineering

SEMESTER : VII -A NAME OF THE FACULTY : Sheetal R
BRANCH : ISE DATE OF COMMENCEMENT : 17/8/2017
SUBJECT : Programming the Web DATE OF CLOSING : 16/11/2017

SUBJECT: Programming the Web

SUBJECT CODE: 10CS43

NO OF HRS/WK: 5

DATE OF CLOSING: 16/
CLASS STRENGTH: 48

TOTAL HRS: 54

Sessi on No	Chapter no (No of hrs planed for the chapter)	DATE	Topics planned for the session	Teaching Aids	Assignm ents/ Tests planned for the chapter	Topics covered As per plan
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2	2/1	18/8	Web Browsers and Web Servers	"		
3	3/1	18/8	URLs, MIME, HTTP			
4	4/1	19/8	The Web Programmers Toolbox.	22		
5	5/1	19/8	XHTML: Basic syntax, Standard structure	22	Assignm ent- I	
6	6/1	22/8	Basic text markup	"		
7	1/2	24/8	Images, Hypertext Links.	22		
8	2/2	28/8	XHTML – 2, CSS: XHTML (continued): Lists, Tables	٠,		
9	3/2	28/8	Frames CSS: Introduction			
10	4/2	29/8	Levels of style sheets	22		
11	5/2	29/8	Style specification formats, Selector forms	"		
12	6/2	31/8	Property value forms, Font properties,	22	Assignmen t- II	
13	7/2	4/9	List properties, Color			
14	8/2	5/9	Alignment of text, The box model, Background images			
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16	1/3	6/9	Javascript: Overview of Javascript, Object orientation and Javascript	22	
17	2/3	6/9	Syntactic characteristics, Primitives, operations, and expressions	,,,	
18	3/3	8/9	Screen output and keyboard input	"	
19	4/3	11/9	Control statements, Object creation and modification	"	Assignmen t –III
20	5/3	12/9	Arrays, Functions, Constructors	۲,	
21	6/3	12/9	Pattern matching using regular expressions		
22	7/3	13/9	Errors in scripts, Examples	"	
23	1/4	13/9	Javascript and HTML Documents, Dynamic Documents with Javascript: The Javascript execution environment, The Document Object Model	"	
24	2/4	15/9	Element access in Javascript, Events and event handling, Handling events from the Body elements	"	
25	3/4	23/9	Button elements, Text box and Password elements	"	
26	4/4	25/9	The DOM 2 event model, The navigator object DOM tree traversal and modification		
27	5/4	25/9	Introduction to dynamic documents, Positioning elements, Moving elements		Assignm ent –IV
28	6/4	26/9	Element visibility, Changing colors and fonts, Dynamic content		
29	7/4	26/9	Stacking elements, Locating the mouse cursor, Reacting to a mouse click, Slow movement of elements, Dragging and dropping elements.	22	
30	1/5	28/9	XML: Introduction, Syntax, Document structure,	"	
31	2/5	4/10	Namespaces, XML schemas	22	
32	3/5	6/10	Displaying raw XML documents	()	
33	4/5	7/10	, Displaying XML documents with CSS, XSLT style sheets	22	Assignm ent –V
34	5/5	9/10	XML processors	"	
35	6/5	9/10	Web services.	"	
36	1/6	10/10	Perl, CGI Programming: Origins and uses of Perl,	,,	
37	2/6	12/10	Scalars and their operations,	"	

38	3/6	13/10	Assignment statements and simple input and output, Control statements		
39	4/6	14/10	Fundamentals of arrays, Hashes, References, Functions, Pattern matching, File input and output; Examples		
40	5/6	14/10	The Common Gateway Interface; CGI linkage	"	Assignm ent –VI
41	6/6	17/10	Query string format; CGI.pm module; A survey example; Cookies.	"	
42	7/6	24/10	Database access with Perl and MySQL	"	
43	1/7	25/10	PHP: Origins and uses of PHP, Overview of PHP, General syntactic characteristics	()	
44	2/7	26/10	Primitives, operations and expressions	"	
45	3/7	26/10	Output, Control statements, Arrays, Functions	"	
46	4/7	28/10	Pattern matching	"	Assignm ent –VII
47	5/7	31/10	Form handling, Files, Cookies	22	
48	6/7	2/11	Session tracking, Database access with PHP and MySQL	"	
49	1/8	3/11	Ruby, Rails: Origins and uses of Ruby, Scalar types and their operations		
50	2/8	9/11	Simple input and output, Control statements		
51	3/8	13/11	,Arrays, Hashes, Methods	"	
52	4/8	14/11	Classes, Code blocks and iterators, Pattern matching.	()	Assignm ent –VIII
53	5/8	15/11	Overview of Rails, Document requests, Processing forms	,,	
54	6/8	15/11	Rails applications with Databases, Layouts.	"	

Syllabus for Internal Assessment Tests (IAT) *

Sessional #	Svllabus
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T1	1-20
T2	21-44
Improvement	45-49
Test	45-43

^{*:} See calendar of events for the schedules of IATs.

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,,			Edition & Publisher	ISBN #	
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Reference Book	RB2	Chris Bates: Web Programming Building Internet Applications	3 rd Edition, Wiley India, 2007.	978-81-265- 1290-4	
Reference Book	RB2	Xue Bai et al: The web Warrior Guide to Web Programming	Cengage Learning, 2003		

Signature of faculty Signature of HOD Signature of Principal



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

Session wise – Course Plan

Department of Information Science and Engineering

SEMESTER: VII -ANAME OF THE FACULTY: Mrs. Divya SinghBRANCH: ISEDATE OF COMMENCEMENT: 17th August 2017SUBJECT: Information SystemsDATE OF CLOSING: 25th November 2017

SUBJECT CODE : 10IS72 CLASS STRENGTH : 48 NO OF HRS/WK : 5 TOTAL HRS : 49 hrs.

Session No	Chapter no (No of hrs planed for the chapter)	Date	Topics planned for the session	Teaching Aids	Assignments/ Tests planned for the chapter
1.	1/1	17.08.17	UNIT-1(Foundation Concepts-1) Information Systems in Business: Introduction.	Board, chalk, duster	
2.	2/1	18.08.17	The fundamental role of IS in business, Trends in IS. Managerial challenges of IT	"	
3.	3/1	21.08.17	System Concepts: A foundation, Components of an Information System	>>	
4.	4/1	22.08.17	A foundation, Components of an Information System (continued)	"	
5.	5/1	23.08.17	Information System Resources, Information System activities, Recognizing Information Systems.	"	
6.	6/1	23.08.17	Recognizing Information Systems	>>	Assignment- I
7.	7/1	24.08.17	Revision of Unit I(Class Test)	()	
8.	1/2	30.08.17	UNIT 2(Foundation Concepts – 2) Fundamentals of strategic advantages: Strategic IT, Competitive strategy concepts. Competitive advantage if IT, Strategic Uses of IT.	,,	
9.	2/2	31.08.17	Building Customer focused business, The value chain and strategic IS. Reengineering business processes		
10.	3/2	1.09.2017	Becoming an agile company Creating a virtual company, Building a knowledge-creating company	"	Assignment -II
11.	4/2	1.09.2017	Revision of Unit II(Class Test)	"	
12.	1/3	4.09.2017	UNIT 3(Electronic Business Systems) Enterprise Business Systems: Introduction, Cross-functional enterprise applications. Enterprise application integration, Transaction processing systems.	"	
13.	2/3	7.09.2017	Enterprise collaboration systems, Functional Business Systems: Introduction, Marketing systems,	"	
14.	3/3	8.09.2017	Manufacturing systems, Human resource systems	22	
15.	4/3	9.09.2017	Accounting systems, Financial management systems.	22	Assignment –III
16.	5/3	9.09.2017	Revision of Unit III(Class Test)	٠,	
17.	1/4	11.09.2017	UNIT –4(Enterprise Business Systems) Customer relationship management: Introduction, What is CRM? The three phases of CRM	"	

	2/4			,,	
18.		14.09.2017	Benefits and challenges of CRM, Trends in CRM		
19.	3/4	15.09.2017	Enterprise resource planning: Introduction, What is ERP, Benefits and challenges of ERP, Trends in ERP.	,,	
20.	4/4	22.09.2017	. Supply chain Management: Introduction, What is SCM? The role of SCM and its Benefits	"	
21.	5/4	22.09.2017	Challenges of SCM, Trends in SCM	"	Assignment –IV
22.	6/4	23.09.2017	Revision (Class Test)	"	
23.	1/5	27.09.2017	UNIT5(Electronic Commerce Systems) Electronic commerce fundamentals: Introduction, The scope of ecommerce,		
24.	2/5	28.09.2017	Essential e-commerce, processes, Electronic payment processes.	22	
25.	3/5	03.10.2017	e-Commerce applications and issues: E-commerce application trends,	٠,	
26.	4/5	03.10.2017	Business-to- Consumer e-commerce, Web store requirements, Business-to-Business e-commerce	"	
27.	5/5	04.10.2017	E-commerce marketplaces, Clicks and bricks in ecommerce.	"	Assignment -V
28.	6/5	09.10.2017	Revision (Class Test)	"	
29.	1/6	10.10.2017	UNIT 6 Decision support in business: Introduction, Decision support trends, Decision support systems (DSS)	27	
30.	2/6	11.10.2017	Management Information Systems, Online analytical processing ,Using DSS, Executive information systems	"	
31.	3/6	11.10.2017	Using DSS, Executive information systems, Enterprise portals and decision support	,,	
32.	4/6	12.10.2017	Knowledge management systems, Business and Artificial Intelligence (AI), An overview of AI, Expert systems	>>	Assignment -VI
33.	5/6	16.10.2017	Revision (Class Test)	,,	
34.	6/6	17.10.2017	Case Study	69	
35.	1/7	23.10.2017	UNIT 7 (Security and Ethical Challenges) Security, Ethical and societal challenges of IT: Introduction Ethical responsibility of business professionals.	"	

			1		
36.	2/7	23.10.2017	Computer crime Privacy issues, Other challenges, Health issues.	22	
37.	3/7	24.10.2017	Societal solutions. Security management of IT: Introduction	"	
38.	4/7	27.10.2017	Tools of security management, Internetworked security defenses	>>	
39.	5/7	28.10.2017	Other security measures, System Controls and audits		
40.	6/7	30.10.2017	Revision(Class Test)	>>	
41.	1/8	30.10.2017	Unit 8(Enterprise and Global IT Management) Managing IT: Business and IT Managing IT	"	
42.	2/8	31.10.2017	Business / IT planning Failures of IT management	٠,	
43.	3/8	4.11.2017	Managing global IT: The International Dimension Global IT Management	"	
44.	4/8	9.11.2017	Cultural , Political and Geo - Economic challenges,	22	
45.	5/8	10.11.2017	Global Business/ IT strategies,	>>	
46.	6/8	10.11.2017	Global Business / IT applications, Global IT Platforms	>>	Assignment 7
47.	7/8	11.11.2017	Global data access issues Global Systems development.		
48.	9/8	13.11.2017	Revision(Class Test)	>>	
49.	10/8	16.11.2017	Revision		

Syllabus for Internal Assessment Tests ${\rm (IAT)}^*$

Sessional #	Syllabus
T1	Class # 01 - 21
T2	Class # 22 – 45
Т3	Class # 46-60

^{*:} See calendar of events for the schedules of IATs.

Literature:

Book Type	Code	Author & Title	Publication info	
			Edition & Publisher	ISBN#

Text Book	TB1	James A. O' Brien, George M. Marakas: Management Information Systems	7th Edition, Tata McGraw Hill, 2006	9-789814-59980-1
References	RB1	Kenneth C. Laudon and Jane P. Laudon: Management Information System, Managing the Digital Firm	11th Edition, Pearson Education, 2006	9788129702531
References	RB2	Steven Alter: Information Systems The Foundation of E-Business	2ndEdition, Tata McGraw - Hill, 1999.	8129702533
References	RB3	W.S. Jawadekar: Management Information Systems	Tata McGraw Hill 1998.	0074631977, 978007461973

Signature of Faculty

Signature of HOD

Signature of Principal



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

Session wise - Course Plan

Department of Information Science and Engineering

SEMESTER : VII -B NAME OF THE FACULTY : Mrs. Divya Singh
BRANCH : ISE DATE OF COMMENCEMENT : 17th August 2017
SUBJECT : Information Systems DATE OF CLOSING : 25th November 2017

SUBJECT CODE : 10IS72 CLASS STRENGTH : 49 NO OF HRS/WK : 5 TOTAL HRS : 48 hrs.

Session No	Chapter no (No of hrs planed for the chapter)	Date	Topics planned for the session	Teaching Aids	Assignments/ Tests planned for the chapter
50.	1/1	17.08.17	UNIT-1(Foundation Concepts-1) Information Systems in Business: Introduction.	Board, chalk, duster	
51.	2/1	18.08.17	The fundamental role of IS in business, Trends in IS. Managerial challenges of IT	>>	
52.	3/1	19.08.17	System Concepts: A foundation, Components of an Information System	"	
53.	4/1	22.08.17	A foundation, Components of an Information System (continued)	"	

54.	5/1	23.08.17	Information System Resources, Information System activities, Recognizing Information Systems.	"	
55.	6/1	24.08.17	Recognizing Information Systems	"	Assignment- I
56.	7/1	28.08.17	Revision of Unit I(Class Test)	٠,	
57.	1/2	29.08.17	UNIT 2(Foundation Concepts – 2) Fundamentals of strategic advantages: Strategic IT, Competitive strategy concepts. Competitive advantage if IT, Strategic Uses of IT.	,,	
58.	2/2	31.08.2017	Building Customer focused business, The value chain and strategic IS. Reengineering business processes		
59.	3/2	1.09.2017	Becoming an agile company Creating a virtual company, Building a knowledge-creating company	"	Assignment -II
60.	4/2	4.09.2017	Revision of Unit II(Class Test)	"	
61.	1/3	5.09.2017	UNIT 3(Electronic Business Systems) Enterprise Business Systems: Introduction, Cross-functional enterprise applications. Enterprise application integration, Transaction processing systems.	"	
62.	2/3	6.09.2017	Enterprise collaboration systems, Functional Business Systems: Introduction, Marketing systems,	>>	
63.	3/3	8.09.2017	Manufacturing systems, Human resource systems	"	
64.	4/3	9.09.2017	Accounting systems, Financial management systems.	"	Assignment –III
65.	5/3	11.09.2017	Revision of Unit III(Class Test)	٠,	
66.	1/4	12.09.2017	UNIT –4(Enterprise Business Systems) Customer relationship management: Introduction, What is CRM? The three phases of CRM	22	
67.	2/4	13.09.2017	Benefits and challenges of CRM, Trends in CRM	22	
68.	3/4	15.09.2017	Enterprise resource planning: Introduction, What is ERP, Benefits and challenges of ERP, Trends in ERP.	>>	
69.	4/4	22.09.2017	. Supply chain Management: Introduction, What is SCM? The role of SCM and its Benefits	"	
70.	5/4	23.09.2017	Challenges of SCM, Trends in SCM	,,	Assignment –IV
71.	6/4	25.09.2017	Revision (Class Test)	"	
72.	1/5	26.09.2017	UNIT5(Electronic Commerce Systems) Electronic commerce fundamentals: Introduction, The scope of ecommerce,		
73.	2/5	28.09.2017	Essential e-commerce, processes, Electronic payment processes.	"	

74.	3/5	03.10.2017	e-Commerce applications and issues: E-commerce application trends,	(;	
75.	4/5	04.10.2017	Business-to- Consumer e-commerce, Web store requirements, Business-to-Business e-commerce	,,	
76.	5/5	06.10.2017	E-commerce marketplaces, Clicks and bricks in ecommerce.	,,	Assignment -V
77.	6/5	7.10.2017	Revision (Class Test)	"	
78.	1/6	10.10.2017	UNIT 6 Decision support in business: Introduction, Decision support trends, Decision support systems (DSS)	,,	
79.	2/6	11.10.2017	Management Information Systems, Online analytical processing ,Using DSS, Executive information systems	,,	
80.	3/6	12.10.2017	Using DSS, Executive information systems, Enterprise portals and decision support	27	
81.	4/6	13.10.2017	Knowledge management systems, Business and Artificial Intelligence (AI), An overview of AI, Expert systems	,,	Assignment -VI
82.	5/6	14.10.2017	Revision (Class Test)	,,	
83.	6/6	17.10.2017	Case Study	٠,	
84.	1/7	23.10.2017	UNIT 7 (Security and Ethical Challenges) Security, Ethical and societal challenges of IT: Introduction Ethical responsibility of business professionals.	,,	
85.	2/7	24.10.2017	Computer crime Privacy issues, Other challenges, Health issues.	,,	
86.	3/7	25.10.2017	Societal solutions. Security management of IT: Introduction	,,	
87.	4/7	26.10.2017	Tools of security management, Internetworked security defenses	,,	
88.	5/7	28.10.2017	Other security measures, System Controls and audits		
89.	6/7	30.10.2017	Revision(Class Test)	"	
90.	1/8	31.10.2017	Unit 8(Enterprise and Global IT Management) Managing IT: Business and IT Managing IT	,,	

91.	2/8	2.11.2017	Business / IT planning Failures of IT management	67	
92.	3/8	3.11.2017	Managing global IT: The International Dimension Global IT Management	22	
93.	4/8	9.11.2017	Cultural, Political and Geo - Economic challenges,	27	
94.	5/8	10.11.2017	Global Business/ IT strategies,	"	
95.	6/8	13.11.2017	Global Business / IT applications, Global IT Platforms	"	Assignment 7
96.	7/8	14.11.2017	Global data access issues Global Systems development.		
97.	9/8	15.11.2017	Revision(Class Test)	"	

Syllabus for Internal Assessment Tests ${\rm (IAT)}^*$

Sessional #	Syllabus
T1	Class # 01 - 21
T2	Class # 22 – 45
Т3	Class # 46-60

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DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

SEMESTER: VII -ANAME OF THE FACULTY: D.SudhaBRANCH: ISEDATE OF COMMENCEMENT: 17.08.2017SUBJECT: JAVA & J2EEDATE OF CLOSING: 25.11.2017

SUBJECT CODE: 10IS753 CLASS STRENGTH: 48 NO OF HRS/WK: 5 TOTAL HRS: 50

Sessi on No	Chapter no (No of hrs planed for the chapter)	DATE	Topics planned for the session	Teaching Aids	Assignments/ Tests planned for the chapter
1	1/1	17/08/2017	Introduction to Java: Java and Java applications, JDK, Java is interpreted, JVM.	Chalk & Talk	
2	2/1	19/08/2017	Byte Code, Object-oriented programming	"	
3	3/1	19/08/2017	Simple Java programs Boolean variables, int, long, char, operators.	"	
4	4/1	21/08/2017	Arrays, white spaces, literals, assigning values. Creating and destroying objects, Access specifiers.	"	
5	5/1	23/08/2017	Arithmetic Operators, Bitwise operators. The Assignment Operator, The ? Operator, Operator Precedence	"	Assignment- I
6	6/1	24/08/2017	Logical expression, Type casting, Strings. Selection statement, iteration statements, Jump Statements.	"	
7	1/2	29/08/2017	Classes, Inheritance, Exceptions, Applets Classes in Java, Declaring a class, Class name, Creating Instances of class, Constructors, Super classes, Inner classes.	.,	
8	2/2	29/08/2017	Simple, multiple inheritances, Multilevel inheritance. Overriding, overloading. Exception handling in Java.	"	
9	3/2	30/08/2017	Two types of Applets, Applet	"	Assignment –

			basics, Applet Architecture, An Applet skeleton. Simple Applet display methods, Requesting repainting.		II
10	4/2	1/09/2017	Using the Status Window, The HTML APPLET tag. Passing parameters to Applets; getDocumentbase() and getCodebase()	,,	
11	5/2	4/09/2017	ApletContext and showDocument(), The AudioClip Interface.	"	
12	6/2	6/09/2017	The AppletStub Interface, Output to the Console.	22	
13	1/3	6/09/2017	Multi-Threaded Programming, Event Handling Threads, How to make the classes threadable	"	
14	2/3	7/09/2017	Extending threads, Implementing runnable	22	Assignment – III
15	3/3	9/9/2017	Synchronization, Changing state of the thread	۲)	
16	4/3	11/09/2017	Bounded buffer problems, read- write problem, Producer-consumer problems	22	
17	5/3	13/09/2017	Two event handling mechanisms	"	
18	6/3	13/09/2017	The delegation event model, Event classes, Sources of events.	"	
19	7/3	14/09/2017	Event listener interfaces, Using the delegation event model. Adapter classes, Inner classes.	"	
20	1/4	22/09/2017	Swings The origins of Swing, Two key Swing features.	22	
21	2/4	23/09/2017	Components and Containers, The Swing Packages	"	
22	3/4	26/09/2017	A simple Swing Application,	>>	
23	4/4	26/09/2017	Create a Swing Applet	٠,	
24	5/4	27/09/2017	Jlabel and ImageIcon, JtextField	"	Assignment – IV
25	6/4	3/10/2017	The Swing Buttons and example	"	
26	7/4	4/10/2017	Jtabbedpane Examples	22	
27	1/5	7/10/2017	J2EE Overview, Database Access:	"	

			The Concept of JDBC, JDBC Driver Types, JDBC Packages,		
28	2/5	7/10/2017	A Brief Overview of the JDBC process	,,	
29	3/5	9/10/2017	Database Connection,	"	
30	4/5	11/10/2017	Associating the JDBC/ODBC Bridge with the Database	,,	Assignment – V
31	5/5	12/10/2017	Statement Objects and examples, ResultSet and example programs	22	
32	6/5	14/10/2017	Transaction Processing, Metadata, Data types, Exceptions.	ζ,	
33	1/6	14/10/2017	Servlets: The Life Cycle of a Servlet, Using Tomcat for Servlet Development	"	
34	2/6	16/10/2017	A simple Servlet, The Servlet API, The Javax.servlet Package	"	
35	3/6	23/10/2017	The Javax.servlet Package	"	
36	4/6	24/10/2017	Reading Servlet Parameter;,	"	Assignment – VI
37	5/6	26/10/2017	The Javax.servlet.http package.	٠,	
38	6/6	26/10/2017	Handling HTTP Requests and Responses.	"	
39	7/6	27/10/2017	Using Cookies, Session Tracking.	,,	
40	1/7	30/10/2017	JSP, RMI: JSP, JSP Tags, Tomcat, Request String.	22	
41	2/7	31/10/2017	User Sessions and example programs	22	Assignment – VII
42	3/7	3/11/2017	Cookies, Session Objects.	"	
43	4/7	3/11/2017	Remote Method Invocation concept	"	
44	5/7	4/11/2017	Server side, Client side.	,,	
45	1/8	10/11/2017	Enterprise Java Beans: Enterprise java Beans,	۲,	
46	2/8	13/11/2017	Deployment Descriptors	22	Assignment – VIII
47	3/8	15/11/2017	Session Java Bean	22	

48	4/8	15/11/2017	Entity Java Bean.	22	
49	5/8	16/11/2017	Message-Driven Bean. The JAR File.	22	

Syllabus for Internal Assessment Tests (IAT)*

Sessional #	Syllabus
T1	Class # 01 – 18
T2	Class # 19– 38
Т3	Class # 39- 49

^{*:} See calendar of events for the schedules of IATs.

Literature:

Book Type	Code	Author & Title	Publication info		
			Edition & Publisher	ISBN #	
Text Book					
	TB1	Herbert Schildt:	7th Edition, TMH	978-0-07-063677-4	
		Java The Complete Reference.		2.000,000,	
Text Book	TB2	Jim Keogh: J2EE -The Complete Reference,	2002,TMH	978-0-07-052912-0	
		Tata McGraw Hill.		770 0 07 032712 0	
References	RB1	E Balagurusamy: Programming with JAVA	2nd Edition, TMH	0-07-463542-5	

Signature of faculty Signature of HOD Signature of Principal



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

SEMESTER: VII -ANAME OF THE FACULTY: D.SudhaBRANCH: ISEDATE OF COMMENCEMENT: 17.08.2017SUBJECT: JAVA & J2EEDATE OF CLOSING: 25.11.2017

SUBJECT CODE: 10IS753 CLASS STRENGTH : 49 NO OF HRS/WK: 5 TOTAL HRS : 49

Sessi on No	Chapter no (No of hrs planed for the chapter)	DATE	Topics planned for the session	Teaching Aids	Assignments/ Tests planned for the chapter
1	1/1	18/08/2017	Introduction to Java: Java and Java applications, JDK, Java is interpreted, JVM.	Chalk & Talk	
2	2/1	19/08/2017	Byte Code, Object-oriented programming	>>	
3	3/1	21/08/2017	Simple Java programs Boolean variables, int, long, char, operators.	"	
4	4/1	22/08/2017	Arrays, white spaces, literals, assigning values. Creating and destroying objects, Access specifiers.	"	
5	5/1	23/08/2017	Arithmetic Operators, Bitwise operators. The Assignment Operator, The ? Operator, Operator Precedence	"	Assignment- I
6	6/1	28/08/2017	Logical expression, Type casting, Strings. Selection statement, iteration statements, Jump Statements.	27	
7			Classes, Inheritance, Exceptions, Applets	۲)	
7	1/2	29/08/2017	Classes in Java, Declaring a class, Class name, Creating Instances of class, Constructors, Super classes, Inner classes.		
8	2/2	29/08/2017	class, Class name, Creating Instances of class, Constructors,	22	
			class, Class name, Creating Instances of class, Constructors, Super classes, Inner classes. Simple, multiple inheritances, Multilevel inheritance. Overriding, overloading. Exception handling	?? ??	Assignment –
8	2/2	30/08/2017	class, Class name, Creating Instances of class, Constructors, Super classes, Inner classes. Simple, multiple inheritances, Multilevel inheritance. Overriding, overloading. Exception handling in Java. Two types of Applets, Applet basics, Applet Architecture, An Applet skeleton. Simple Applet display methods, Requesting		_
8	3/2	30/08/2017	class, Class name, Creating Instances of class, Constructors, Super classes, Inner classes. Simple, multiple inheritances, Multilevel inheritance. Overriding, overloading. Exception handling in Java. Two types of Applets, Applet basics, Applet Architecture, An Applet skeleton. Simple Applet display methods, Requesting repainting. Using the Status Window, The HTML APPLET tag. Passing parameters to Applets; getDocumentbase() and	>>	_

			Multi-Threaded	22	
13	1/2	7/09/2017	Programming, Event Handling	,,	
13	1/3	//09/201/	Threads, How to make the classes		
			threadable		
14	2/3	8/09/2017	Extending threads, Implementing	"	Assignment –
	2/0	0/09/2017	runnable	د ۲	III
15	3/3	9/9/2017	Synchronization, Changing state	۲,	
			of the thread		
16	4/3	12/09/2017	Bounded buffer problems, read- write problem, Producer-consumer	"	
10	4/3	12/07/2017	problems		
			r	22	
17	5/3	13/09/2017	Two event handling mechanisms	,,	
18	6/3	14/09/2017	The delegation event model, Event	"	
10	0/3	14/07/2017	classes, Sources of events.		
10	7 /2	15/00/2017	Event listener interfaces, Using the	"	
19	7/3	15/09/2017	delegation event model. Adapter classes, Inner classes.		
			Swings		
20	1/4	22/09/2017	The origins of Swing, Two key	>>	
			Swing features.		
21	2/4	25/09/2017	Components and Containers, The	"	
21	2/4	23/07/2017	Swing Packages		
22	3/4	26/09/2017	A simple Swing Application,	22	
23	4/4	27/09/2017	Create a Swing Applet	د ۶	
24	5/4	28/09/2017	Jlabel and ImageIcon, JtextField	>>	Assignment –
	5/ 1	20/09/2017	viacer and imagereen, view reta		IV
25	6/4	3/10/2017	The Swing Buttons and example	"	
23	0/4	3/10/2017	The 5wing Buttons and example		
26	7/4	6/10/2017	Jtabbedpane Examples	"	
			J2EE Overview, Database	22	
27	1/5	7/10/2017	Access:	"	
21	1/5	//10/201/	The Concept of JDBC, JDBC		
			Driver Types, JDBC Packages,		
28	2/5	9/10/2017	A Brief Overview of the JDBC	22	
			process		
29	3/5	10/10/2017	Database Connection,	"	
30	4/5	11/10/2017	Associating the JDBC/ODBC Bridge with the Database	"	Assignment – V
				22	,
31	5/5	13/10/2017	Statement Objects and examples,	,,	
			ResultSet and example programs		
			Transaction Processing, Metadata,	۷,	
32	6/5	14/10/2017	Data types, Exceptions.		

33	1/6	16/10/2017	Servlets: The Life Cycle of a Servlet, Using Tomcat for Servlet Development	"	
34	2/6	17/10/2017	A simple Servlet, The Servlet API, The Javax.servlet Package	22	
35	3/6	23/10/2017	The Javax.servlet Package	"	
36	4/6	25/10/2017	Reading Servlet Parameter;,	22	Assignment – VI
37	5/6	26/10/2017	The Javax.servlet.http package.	د ۶	
38	6/6	27/10/2017	Handling HTTP Requests and Responses.	"	
39	7/6	28/10/2017	Using Cookies, Session Tracking.	"	
40	1/7	30/10/2017	JSP, RMI: JSP, JSP Tags, Tomcat, Request String.	>>	Assignment – VII
41	2/7	2/11/2017	User Sessions and example programs	>>	
42	3/7	3/11/2017	Cookies, Session Objects.	"	
43	4/7	4/11/2017	Remote Method Invocation concept	"	
44	5/7	9/11/2017	Server side, Client side.	"	
45	1/8	10/11/2017	Enterprise Java Beans: Enterprise java Beans,	۲)	
46	2/8	14/11/2017	Deployment Descriptors	"	Assignment – VIII
47	3/8	15/11/2017	Session Java Bean	"	
48	4/8	16/11/2017	Entity Java Bean. Message-Driven Bean. The JAR File.	22	

Syllabus for Internal Assessment Tests $(IAT)^*$

Sessional #	Syllabus
T1	Class # 01 – 18
T2	Class # 19– 38
Т3	Class # 39- 48

^{*:} See calendar of events for the schedules of IATs.

Literature:

Book Type	Code	Author & Title	Publication info		
			Edition & Publisher	ISBN #	
Text Book					
	TB1	Herbert Schildt:	7th Edition, TMH	978-0-07-063677-4	
		Java The Complete Reference.	ŕ	978-0-07-003077-4	
		Jim Keogh:			
Text Book	TB2	J2EE -The Complete Reference, Tata McGraw Hill.	2002,TMH	978-0-07-052912-0	
References	RB1	E Balagurusamy:	2nd Edition, TMH	0-07-463542-5	
		Programming with JAVA		0 07 103342-3	

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DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

Session wise - Course Plan

SEMESTER : VII –A & B NAME OF THE FACULTY : Ms .Ramya S BRANCH : ISE DATE OF COMMENCEMENT : 07/08/2017 SUBJECT : Storage Area Networks DATE OF CLOSING : 25/11/2017 SUBJECT CODE : 10IS765 CLASS STRENGTH : 60

NO OF HRS/WK: 5 TOTAL HRS : 62

Sessi on No	Chapter no (No of hrs planed for the chapter)	DATE	Topics planned for the session	Teaching Aids	Assignm ents/ Tests planned for the chapter	Topics covere d As per plan
1	1/1	16.08.17 Wed	UNIT 1:Introduction to Information Storage Management, Storage System Environment: Information Storage, Evolution of Storage Technology Architecture, Data Center Infrastructure	Chalk & Talk		
2	2/1	17.08.17 Thur	Challenges in Managing Information	"		
3	3/1	18.08.17 Fri	Information Life cycle Components of Storage System Environment	"		

		19.08.17	Disk Drive Components, Performance		
4	4/1	Sat	, ,	"	
5	5/1	22.08.17 Tue	Fundamental Laws, Components of Host	"	
6	6/1	23.08.17 Wed	Application Requirements, Disk Performance	"	Assignm ent – I (given)
7	1/2	24.08.17 Thur	UNIT 2: Data Protection, Intelligent Storage System: Implementation of RAID, RAID Array Components	، ۲	
8	2/2	28.08.17 Mon	RAID Levels, RAID levels Comparison	,,	
9	3/2	29.08.17 Tue	RAID Impaction Disk Performance	"	
10	4/2	31.08.17 Thur	Hot Spares Components of an Intelligent Storage System	,,	
11	5/2	01.09.17 Fri	Intelligent Storage Array	"	
12	1/3	04.09.17 Mon	UNIT 3 :DAS, SCSI and SAN: Types of DAS, DAS Benefits and Limitations	22	
13	2/3	05.09.17 Tue	Disk Drive Interfaces	,,	
14	3/3	06.09.17 Wed	Introduction to Parallel SCSI, Overview of Fibre Channel	"	
15	4/3	08.09.17 Fri	The SAN and Its Evolution, Components of SAN,	()	
16	5/3	09.09.17 Sat	Fibre Channel Connectivity, Fibre Channel Ports,	"	Assignm ent –II (given)
17	6/3	11.09.17 Mon	Fibre Channel Architecture, Zoning,	"	
18	7/3	12.09.17 Tue	Fibre Channel Login Types, Fibre Channel Topologies	"	
19	1/4	13.09.17 Wed	UNIT 4:NAS IP SAN: General – Purpose Service vs. NAS Devices	"	
20	2/4	15.09.17 Fri	Benefits of NAS, NAS File I / O	"	
21	3/4	22.09.17 Fri	Components of NAS	,,	
22	4/4	23.09.17 Sat	NAS Implementations	"	
23	5/4	25.09.17 Mon	NAS95File-Sharing Protocols, NAS I/O Operations	()	
24	6/4	26.09.17 Tue	Factors Affecting NAS Performance and Availability ,iSCSI, FCIP	"	
25	1/5	28.09.17 Thur	UNIT 5:Content Address Storage, Storage Virtualization: Fixed Content and Archives, Types of Archive	"	
26	2/5	03.10.17 Tue	Features and Benefits of CAS, CAS Architecture	"	
27	3/5	04.10.17 Wed	Object Storage and Retrieval in CAS, CAS Examples Forms of Virtualization	22	

20	4/5	06.10.17 Fri	SNIA Storage Virtualization Taxonomy	22	Assignm
28	4/5	FII			ent –III (given)
20	<i>5 5</i>	07.10.17 Sat	Storage Virtualizations Configurations	,,	(Siven)
29	5/5				
30	6/5	10.10.17 Tue	Storage Virtualization Challenges, Types of Storage Virtualization	"	
2.1	1/6	11.10.17	UNIT 6:Business Continuity, Backup and Recovery: Information	,,	
31	1/6	Wed	Availability, BC Terminology		
32	2/6	12.10.17	BC Planning Life cycle, Failure Analysis	۷,	
J 2		Thur	Business Impact Analysis, BC		
33	3/6	13.10.17 Fri	Technology Solutions, Backup	"	
		14.10.17	Purpose Backup Considerations, Backup		
34	4/6	Sat	Granularity	"	
35	5/6	17.10.17	Recovery Considerations, Backup	,,	
		Tue 23.10.17	Methods Backup Process, Backup and restore		
36	6/6	Mon	Operations	"	
37	7/6	24.10.17	Backup Topologies	"	
		Tue 25.10.17	Backup in NAS Environments		
38	8/6	Wed	Dashap III I I to Elivinoimonto	"	
		26.10.17	UNIT 7:Local Replication, Remote Replication: Source and Target, Uses	د ۶	Assignm
39	1/7	Thur	of Local Replicas		ent –IV (given)
40	2/7	28.10.17	Data Consistency, Local Replication	,,	(given)
40	2/ /	Sat	Technologies		
41	3/7	30.10.17 Mon	Restore and Restart Considerations. Creating Multiple Replicas	"	
42	4/7	31.10.17 Tue	Management Interface, Modes of Remote Replication	"	
43	5/7	02.11.17	Remote Replication Technologies,	,,	
4 5	311	Thur 03.11.17	Network Infrastructure UNIT 8:Securing the Storage		
44	1/8	Fri	Infrastructure, Managing the	"	
44	1/0		Storage Infrastructure: Storage Security Framework		
15	2/0	09.11.17	Risk Triad, Storage Security Domains	,,	
45	2/8	Thur	Coough, Implementations in Observe		
46	3/8	10.11.17 Fri	Security Implementations in Storage Networking Monitoring the Storage	"	Assignm ent –V
70	3/0		Infrastructure		(given)
47	4/8	13.11.17	Storage Management Activities,	د >	
',		Mon 14.11.17	Storage Infrastructure Management		
48	5/8	Tue	Challenges	"	
49	6/8	15.11.17	Developing an Ideal Solution	,,	
49	U/ð	Wed		.,	

Sessional #	Syllabus
T1	Class # 01 - 20
T2	Class # 21 – 43
T3	Class # 44 - 49

^{*:} See calendar of events for the schedules of IATs.

Literature:

Book Type	Code	Author & Title	Publication info		
			Edition & Publisher	ISBN #	
Text Book	TB1	G. Somasundaram, Alok Shrivastava: Information Storage and Management	Wiley India, 2009.	978-81-265-3750-1	
References	TB2	Ulf Troppens, Rainer Erkens and Wolfgang Muller: Storage Networks Explained	Wiley India, 2003.	978-81-265-1832-6	
References	RB1	Rebert Spalding: Storage Networks, The Complete Reference	Tata McGraw Hill, 2003.	978-0-07-053292-2	

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DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

SEMESTER : VII-B NAME OF THE FACULTY : AISWARYA LAKSHMI

BRANCH : ISE DATE OF COMMENCEMENT : 17.08.2017 SUBJECT : DWDM DATE OF CLOSING : 16.11.2017

SUBJECT CODE: 10IS74 CLASS STRENGTH: 49 NO OF HRS/WK: 6 TOTAL HRS: 58

Session No	Chapter no (No of hrs planed for the chapter)	DATE	Topics planned for the session	Teaching Aids	Assignments/ Tests planned for the chapter	Topics covered As per plan
1	1/1	18.8.2017	UNIT – 1 Introduction	Board, chalk, duster		
2	2/1	19.8.2017	Guidelines for Data Warehouse Implementation	,,		

3	3/1	21.8.2017	Data Ware house Metadata	22	
4	4/1	22.8.2017	Introduction, Operational Data	22	
5	5/1	22.8.2017	Stores (ODS) Extraction Transformation Loading (ETL)	22	
6	6/1	23.8.2017	DataWarehouses, Design Issues	27	
7	1/2	28.8.2017	UNIT – 2 OLAP introduction	"	Assignment-
8	2/2	29.8.2017	Online Analytical Processing (OLAP)	22	
9	3/2	30.8.2017	Characteristics of OLAP systems	Board, chalk,	
10	4/2	24.0.2047	N. 1:1:	duste	
10	4/2	31.8.2017	Multidimensional view and Data cube	"	
11	5/2	31.8.2017	Data Cube Implementations	"	
12	6/2	1.9.2017	Data Cube operations	22	
13	1/3	5.9.2017	UNIT- 3 INTRODUCTION	"	Assignment - II
14	2/3	6.9.2017	Implementation of OLAP and overview on OLAP Softwares.	22	
15	3/3	7.9.2017	DATA WARE HOUSE		
16	4/3	8.9.2017	Types of data		
17	5/3	8.9.2017	Data attributes		
18	6/3	9.9.2017	Data mining	"	
19	7/3	12.9.2017	What is Data Mining?	"	
20	8/3	13.9.2017	The origins of data mining	22	
21	1/4	14.9.2017	UNIT-4 Association Analysis: Problem Definition	"	

22	2/4	15.9.2017	Types of Data attributes	>>	
23	3/4	15.9.2017	Data Quality		
24	4/4	22.9.2017	Motivating Challenges	Board, chalk, duster	Assignment –III
25	5/4	25.9.2017	Data Mining Tasks	",	
26	6/4	26.9.2017	Frequent Itemset Generation: The Apriori Principle, Frequent Itemset Generation in the Apriori Algorithm	27	
27	7/4	27.9.2017	Candidate Generation and Pruning, Support Counting, Computational	Board, chalk, duster	
28	8/4	28.9.2017	Complexity Rule Generation	22	
29	1/7	28.9.2017	UNIT- 7 Cluster Analysis: Overview	>>	
30	2/7	03.10.2017	Frequent Itemset Generation in FP- Growth Algorithm	22	
31	3/7	06.10.2017		"	
32	4/7	07.10.2017	FP-Growth Algorithm: FP-Tree Representation	"	
33	5/7	09.10.2017	K-means : The Basic K-means Algorithm	"	
34	6/7	10.10.2017	Types of Cluster Analysis MethodS	22	
35	7/7	10.10.2017	Partitional Methods	22	
36	8/7	11.10.2017	Hierarchical Methods	22	
37	9/7	13.10.2017	Density Based Methods	27	

38	10/7	14.10.2017	Quality and Validity of Cluster Analysis	"	
39	11/7	16.10.2017	Decision Treesm, General approach to solve classification problem	"	
40	1/8	17.10.2017	UNIT – 8 Web Mining: Introduction	"	
41	2/8	17.10.2017	Data mining applications	22	
42	3/8	23.10.2017	Temporal data base mining	"	
43	4/8	25.10.2017	Web content mining	"	
44	5/8	26.10.2017	Web mining	"	
45	6/8	27.10.2017	Text clustering	"	
46	7/8	28.10.2017	Text Mining	22	
47	8/8	28.10.2017	Unstructured Text	22	
48	1/5	30.10.2017	UNIT – 5 Classification -1 : Basics	Board, chalk,	
				duster	
49	2/5	2.11.2017	Rule Based Classifiers Nearest Neighbor Classifiers	"	
50	3/5	3.11.2017	Direct Methods for Rule Extraction	"	
51	4/5	4.11.2017	Indirect Methods for Rule Extraction	"	
52	5/5	9.11.2017	Characteristics of Rule-Based Classifiers	22	
53	6/5	9.11.2017	Nearest-Neighbor classifiers: Algorithm	"	
54	7/5	10.11.2017	Estimating Predictive accuracy of classification methods	"	
55	1/6	14.11.2017	UNIT – 6 Classification - 2 : Bayesian Classifiers	"	

56	2/6	15.11.2017	Improving accuracy of clarification methods	22	
57	3/6	16.11.2017	Evaluation criteria for classification methods Multiclass Problem, Bayesian network	22	
58	3/6			"	

Syllabus for Internal Assessment Tests $(IAT)^*$

Sessional #	Syllabus
T1	Class # 01 - 22
T2	Class # 22 – 51
IMP	Class # 51 – 58

^{*:} See calendar of events for the schedules of IATs.

Literature:

Book	Code	Author & Title	Publicati	on info
Type			Edition & Publisher	ISBN #
Text Book	TB1	Pang-Ning Tan, Michael Steinbach, Vipin Kumar: Introduction to Data Mining,	Pearson Education, 2005.	978-81-317-5904- 2
Text Book	TB2	G. K. Gupta: Introduction to Data Mining with Case Studies	3rd Edition, PHI, New Delhi, 2009.	1565920007, 9781565920002
References	RB1	Arun K Pujari: Data Mining Techniques	2nd Edition, Universities Press, 2009	1449335942

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DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

SEMESTER : VII-A NAME OF THE FACULTY : AISWARYA LAKSHMI

BRANCH : ISE DATE OF COMMENCEMENT : 17.08.2017 SUBJECT : DWDM DATE OF CLOSING : 16.11.2017

SUBJECT CODE : 10IS74 CLASS STRENGTH : 48 NO OF HRS/WK : 6 TOTAL HRS : 58

Session No	Chapter no (No of hrs planed for the chapter)	DATE	Topics planned for the session	Teaching Aids	Assignments/ Tests planned for the chapter	Topics covered As per plan
1	1/1	17.8.2017	UNIT – 1 Introduction	Board, chalk, duster		
2	2/1	18.8.2017	Guidelines for Data Warehouse Implementation	"		
3	3/1	19.8.2017	Data Ware house Metadata	"		
4	4/1	21.8.2017	Introduction, Operational Data Stores (ODS)	"		
5	5/1	22.8.2017	Extraction Transformation Loading (ETL)	,,		
6	6/1	23.8.2017	DataWarehouses, Design Issues	22		
7	1/2	24.8.2017	UNIT – 2 OLAP introduction	"	Assignment-I	

8	2/2	28.8.2017	Online Analytical Processing (OLAP)	Board,	
				chalk,	
				duster	
9	3/2	29.8.2017	Characteristics of OLAP systems	22	
10	4/2	30.8.2017	Multidimensional view and Data cube	"	
11	5/2	31.8.2017	Data Cube Implementations	22	
12	6/2	1.9.2017	Data Cube operations	"	
13	1/3	4.9.2017	UNIT- 3 INTRODUCTION	"	Assignment - II
14	2/3	5.9.2017	Implementation of OLAP and overview on OLAP Softwares.	"	
15	3/3	6.9.2017	DATA WARE HOUSE		
16	4/3	7.9.2017	Types of data		
17	5/3	8.9.2017	Data attributes		
18	6/3	9.9.2017	Data mining	"	
19	7/3	11.9.2017	What is Data Mining?	>>	
20	8/3	12.9.2017	The origins of data mining	"	
21	1/4	13.9.2017	UNIT-4 Association Analysis: Problem Definition	"	Assignment -III
22	2/4	14.9.2017	Types of Data attributes	"	
23	3/4	15.9.2017	Data Quality		
24	4/4	22.9.2017	Motivating Challenges	Board, chalk,	
				duster	
25	5/4	23.9.2017	Data Mining Tasks	"	
26	6/4	25.9.2017	Frequent Itemset Generation: The Apriori Principle,	"	

			Frequent Itemset Generation in the		
			Apriori Algorithm		
27	7/4	26.9.2017	Candidate	,,	
			Generation and		
			Pruning, Support		
			Counting,		
			Computational		
			Complexity		
28	8/4	27.9.2017	Rule Generation	"	
29	1/7	28.9.2017	UNIT- 7 Cluster	22	
			Analysis:		
	- /-		Overview		
30	2/7	03.10.2017	Frequent Itemset	"	
			Generation in FP-		
			Growth Algorithm		<u> </u>
31	3/7	04.10.2017	Evaluation of	"	
			Association		
			Patterns: Objective		
			Measures of		
			Interestingness		
32	4/7	06.10.2017	FP-Growth	,,	
			Algorithm: FP-Tree		
			Representation		
33	5/7	07.10.2017	K-means: The	Board,	
			Basic K-means		
			Algorithm	chalk,	
				duster	
34	6/7	09.10.2017	Types of Cluster	"	
			Analysis MethodS		
35	7/7	10.10.2017	Partitional Methods	"	
36	8/7	11.10.2017	Hierarchical	,,	
			Methods		
37	9/7	12.10.2017	Density Based	"	
			Methods		
38	10/7	13.10.2017	Quality and Validity	"	
20	11/7	14.10.2017	of Cluster Analysis		
39	11/7	14.10.2017	Decision Treesm,	"	
			General approach to		
			solve classification		
40	1 /0	16 10 2017	problem		+
40	1/8	16.10.2017	UNIT – 8 Web	"	
			Mining:		
			Introduction		
41	2/8	17.10.2017	Data mining	,,	
			applications		
	1	L			

42	3/8	23.10.2017	Temporal data base mining	"	
43	4/8	24.10.2017	Web content mining	22	
44	5/8	25.10.2017	Web mining	,,	
45	6/8	26.10.2017	Text clustering	"	
46	7/8	27.10.2017	Text Mining	"	
47	8/8	28.10.2017	Unstructured Text	22	
48	1/5	30.10.2017	UNIT – 5 Classification -1 : Basics	22	
49	2/5	31.10.2017	Rule Based Classifiers	Board, chalk, duster	
50	3/5	2.11.2017	Nearest Neighbor Classifiers	,,	
51	4/5	3.11.2017	Direct Methods for Rule Extraction	"	
52	5/5	4.11.2017	Indirect Methods for Rule Extraction	22	
53	6/5	9.11.2017	Characteristics of Rule-Based Classifiers	"	
54	7/5	10.11.2017	Nearest-Neighbor classifiers: Algorithm	27	
55	8/5	13.11.2017		22	
56	1/6	14.11.2017	UNIT – 6 Classification - 2 : Bayesian Classifiers	22	
57	2/6	15.11.2017	Improving accuracy of clarification methods	22	
58	3/6	16.11.2017	Evaluation criteria for classification methods Multiclass Problem, Bayesian network	22	

Syllabus for Internal Assessment Tests (IAT)

Sessional #	Syllabus
T1	Class # 01 - 23
T2	Class # 24 – 52
IMP	Class # 53 – 58

^{*:} See calendar of events for the schedules of IATs.

Literature:

Book	Code	Author & Title	Publication info	
Type			Edition &	ISBN #
			Publisher	
Text Book	TB1	Pang-Ning Tan, Michael Steinbach, Vipin	Pearson Education,	978-81-317-5904-
		Kumar: Introduction to	2005.	2
		Data Mining,		
Text Book	TB2	G. K. Gupta: Introduction to Data Mining with	3rd	1565920007,
		Case Studies		9781565920002
			Edition, PHI, New	
			Delhi, 2009.	
References	RB1	Arun K Pujari: Data Mining Techniques	2nd Edition,	1449335942
			Universities	
			Press, 2009	

Signature of faculty

Signature of HOD

Signature of Principal



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

SEMESTER : VII -A NAME OF THE FACULTY : Ms.Madhuri M BRANCH : ISE DATE OF COMMENCEMENT : 17th Aug 2017 : 16th Nov 2017

SUBJECT : Object Oriented Modeling and Design SUBJECT CODE : 10CS71 NO OF HRS/WK : 5 DATE OF CLOSING CLASS STRENGTH TOTAL HRS : 52

	Chapter no	DATE	Topics planned for the session	Teaching	Assignm	Topics
Sessi	(No of hrs	DITTE	Topics planned for the session	Aids	ents/	covered
on	planed for			1114.5	Tests	As per
No	the chapter)				planned	plan
	, , ,				for the	r
					chapter	
1.	1/1	18/08/2017	UNIT – 1	PPT,	-	
			Introduction, Modeling Concepts,	Board,		
			class Modeling:	chalk,		
				duster		
2.	2/1	19/08/2017	What is Object Orientation? What	"		
			is OO development?			
3.	3/1	21/08/2017	OO themes, Evidence for	"		
			usefulness of OO development, OO			
			modeling history.			
4.	4/1	22/08/2017	Modeling as Design Technique:	"		
			Modeling; abstraction; The three			
		22/22/22/2	models. Class Modeling.	"		
5.	5/1	23/08/2017	Class Modeling:	"		
	6/1	20/00/2017	Object and class concepts.	"		
6.	6/1	28/08/2017	Link and associations concepts,	"		
7.	7/1	28/08/2017	Generalization and inheritance, A	"		
			sample class model.			
8.	8/1	29/08/2017	Navigation of class models;	"		
			Practical tips.			
9.	1/2	30/08/2017	Unit-2:Advanced Class Modeling,	cc		
			State Modeling: Advanced object			
			and class concepts:			
			Association ends; N-ary			
10	0./0	21/00/2017	associations,	.,		
10	2/2	31/08/2017	Aggregation: (Aggregation Vs			
			association Vs			
			Composition), Propagation of			
11	3/2	1/09/2017	operation Abstract classes: Multiple	"		
11	3/2	1/09/2017	inheritance.			
			inneritance.			
12	4/2	5/09/2017	Class Modeling(Case Study)	"		
			S. 27			
13	5/2	6/09/2017	Metadata, Reification, Constraints,	"		
			Derived data, Packages; Practical			
4 4	C 10	7/00/2017	tips.	"	ACCICNI	
14	6/2	7/09/2017	State Modeling: Events, States,	"	ASSIGN	
1.7	7/2	0/00/2017	Transitions and Conditions.	"	MENT-1	
15	7/2	8/09/2017	State diagram behavior; Practical	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
			tips.			

16	1/3	9/09/2017	Unit-3: Advanced State Modeling, Interaction Modeling: Advanced State Modeling: Nested state diagrams, Nested states, Signal generalization.	"	
17	2/3	12/09/2017	Concurrency	"	
18	3/3	13/09/2017	A sample state model, Relation of class and state models, Practical tips.	"	
19	4/3	14/09/2017	Interaction Modeling: Use case models, Use case	"	
20	5/3	15/09/2017	Use case diagrams. Examples	"	
21	6/3	20/09/2017	Sequence models. Examples	"	
22	7/3	22/09/2017	Activity Models; Special constructs for activity models.	"	
23	1/5	25/09/2017	Unit-5: Application Analysis, System Design: Application Analysis: Application interaction model.	"	
24	2/5	25/09/2017	Application class model.	"	
25	3/5	26/09/2017	Application state model, Adding operations.	"	ASSIGN MENT-2
26	4/5	27/09/2017	Adding operations.	"	
27	5/5	28/09/2017	Overview of system design: Estimating performance, Making a reuse plan;	"	
28	6/5	3/10/2017	Breaking a system in to sub-systems, Identifying concurrency.	"	
29	7/5	6/10/2017	Allocation of sub-systems; Management of data storage, Handling global resources.	"	
30	8/5	7/10/2017	Choosing a software control strategy, Handling boundary conditions, Setting the trade-off priorities.	"	
31	9/5	9/10/2017	Common architectural styles, Architecture of the ATM system as the example.	"	
32	1/6	10/10/2017	Unit-6: Class Design, Implementation Modeling, Legacy Systems: Class Design: Overview of class design, Bridging the gap, Realizing	"	

			use cases.			
33	2/6	11/10/2017	Designing algorithms, Recurring downwards. Refactoring, Design optimization.	"		
34	3/6	13/10/2017	Reification of behavior, Adjustment of inheritance, Organizing a class design ,ATM example.	"		
35	4/6	13/10/2017	implementation Modeling: Overview of implementation; Finetuning classes, Generalizations,	"		
36	5/6	14/10/2017	Realizing ,Testing Legacy Systems: Reverse engineering; Building the class models	"		
37	6/6	16/10/2017	Building the interaction model; Building the state model; Reverse engineering tips; Wrapping; Maintenance. Revision	"		
38	1/2	17/10/2017	Unit-7: Design Patterns – 1: What is a pattern and what makes a pattern? Pattern categories.	"		
39	2/7	23/10/2017	Relationships between patterns, Pattern description.	"		
40	3/7	25/10/2017		"	ASSIGN MENT-3	
41	4/7	26/10/2017	Patterns and software Architecture. Forwarder-Receiver.	"		
42	5/7	27/10/2017	Client-Dispatcher-Server	"		
43	6/7	28/10/2017	Publisher-Subscriber	"		
44	1/8	30/10/2017	Unit-8: Design Patterns – 2, Idioms: Management Patterns: Command processor,	"		
45	2/8	2/11/2017	Command Processor (Contd)	"		
46	3/8	2/11/2017	View Handler	"		
47	4/8	3/11/2017	Idioms: Introduction, What can idioms provides? Idioms and style.	"		
48	5/8	4/11/2017	Where to find idioms, Counted Pointer example.	"		
49	6/8	8/11/2017	Student Presentation - Beyond the syllabus topic			
50	1/4	9/11/2017	Unit 4: Process Overview, System Conception, Domain	"		

			Analysis Process Overview: Development stages, Development		
			life cycle		
51	2/4	10/11/2017	System Conception: Devising a system concept; Elaborating a concept; Preparing a problem statement.	"	
52	3/4	14/11/2017	Domain Analysis: Overview of analysis	"	
53	5/4	14/11/2017	Domain class model	"	
54	6/4	15/11/2017	Domain state model	"	
55	7/4	16/11/2017	Domain interaction model, Iterating the analysis	"	

Syllabus for Internal Assessment Tests (IAT) *

Sessional #	Syllabus
T1	Class # 01 - 20
T2	Class # 21 – 37
T3	Class # 38 – 55

^{*:} See calendar of events for the schedules of IATs.

Literature:

Book Type Code		Author & Title	Publication info		
			Edition & Publisher	ISBN #	
Text Book	TB1	Michael Blaha, James Rumbaugh: Object- Oriented Modeling and Design with UML,	2nd Edition, Pearson Education, 2005. (Chapters 1 to 17, 23)	10: 8131711064 ISBN 13: 9788131711064	
Text Book	TB2	Frank Buschmann, Regine Meunier, Hans Rohnert, Peter Sommerlad, Michael Stal: Pattern-Oriented Software Architecture, A System of Patterns,	Volume 1, John Wiley and Sons, 2007. (Chapters 1, 3.5, 3.6, 4)	978-0-471-95869- 7	
References	RB1	Grady Booch et al: Object-Oriented Analysis and Design with Applications,	3rd Edition, Pearson Education, 2007.	13: 978-0-201- 89551-3	

References	RB2	Brahma Dathan, Sarnath Ramnath: Object- Oriented Analysis, Design, and Implementation,	Universities Press, 2009.	10: 8173717117 13: 9788173717116
References	RB3	Hans-Erik Eriksson, Magnus Penker, Brian Lyons, David Fado: UML 2 Toolkit,	Wiley-Dreamtech India, 2004.	10: 0471463612

Signature of faculty Signature of HOD Signature of Principal



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

SEMESTER: VII -ANAME OF THE FACULTY: Ms.Madhuri MBRANCH: ISEDATE OF COMMENCEMENT: 17^{th} Aug 2017SUBJECT: Object Oriented Modeling and DesignDATE OF CLOSING: 16^{th} Nov 2017

SUBJECT CODE: 10CS71 CLASS STRENGTH:

NO OF HRS/WK: 5 TOTAL HRS: 52

Sessi on No	Chapter no (No of hrs planed for the chapter)	DATE	Topics planned for the session	Teaching Aids	Assignm ents/ Tests planned for the chapter	Topics covered As per plan
56	1/1	17/08/2017	UNIT – 1 Introduction, Modeling Concepts, class Modeling:	PPT, Board, chalk, duster		
57	2/1	19/08/2017	What is Object Orientation? What is OO development?	"		
58	3/1	21/08/2017	OO themes, Evidence for usefulness of OO development, OO modeling history.	"		
59	4/1	22/08/2017	Modeling as Design Technique: Modeling; abstraction; The three models. Class Modeling.	"		
60	5/1	23/08/2017	Class Modeling: Object and class concepts.	"		
61	6/1	24/08/2017	Link and associations concepts,	"		

62	7/1	28/08/2017	Generalization and inheritance, A sample class model.	"		
63	8/1	29/08/2017	Navigation of class models; Practical tips.	"		
64	1/2	30/08/2017	Unit-2:Advanced Class Modeling, State Modeling: Advanced object and class concepts: Association ends; N-ary associations,	cc		
65	2/2	31/08/2017	Aggregation: (Aggregation Vs association Vs Composition), Propagation of operation			
66	3/2	1/09/2017	Abstract classes: Multiple inheritance.	دد		
67	4/2	4/09/2017	Class Modeling(Case Study)	"		
68	5/2	6/09/2017	Metadata, Reification, Constraints, Derived data, Packages; Practical tips.	"		
69	6/2	7/09/2017	State Modeling: Events, States, Transitions and Conditions.	"	ASSIGN MENT-1	
70	7/2	8/09/2017	State diagram behavior; Practical tips.	"		
71	1/3	9/09/2017	Unit-3: Advanced State Modeling, Interaction Modeling: Advanced State Modeling: Nested state diagrams, Nested states, Signal generalization.	"		
72	2/3	11/09/2017	Concurrency	"		
73	3/3	13/09/2017	A sample state model, Relation of class and state models, Practical tips.	"		
74	4/3	14/09/2017	Interaction Modeling: Use case models, Use case	"		
75	5/3	15/09/2017	Use case diagrams. Examples	"		
76	6/3	20/09/2017	Sequence models. Examples	"		
77	7/3	22/09/2017	Activity Models; Special constructs for activity models.	"		
78	1/5	23/09/2017	Unit-5: Application Analysis, System Design: Application Analysis: Application interaction model.	"		
79	2/5	25/09/2017	Application class model.	"		

80	3/5	26/09/2017	Application state model, Adding operations.	"	ASSIGN MENT-2
81	4/5	27/09/2017	Adding operations.	"	
82	5/5	28/09/2017	Overview of system design: Estimating performance, Making a reuse plan;	"	
83	6/5	3/10/2017	Breaking a system in to sub-systems, Identifying concurrency.	"	
84	7/5	4/10/2017	Allocation of sub-systems; Management of data storage, Handling global resources.	"	
85	8/5	7/10/2017	Choosing a software control strategy, Handling boundary conditions, Setting the trade-off priorities.	"	
86	9/5	9/10/2017	Common architectural styles, Architecture of the ATM system as the example.	"	
87	1/6	10/10/2017	Unit-6: Class Design, Implementation Modeling, Legacy Systems: Class Design: Overview of class design, Bridging the gap, Realizing use cases.	"	
88	2/6	11/10/2017	Designing algorithms, Recurring downwards. Refactoring, Design optimization.	"	
89	3/6	12/10/2017	Reification of behavior, Adjustment of inheritance, Organizing a class design ,ATM example.	"	
90	4/6	13/10/2017	implementation Modeling: Overview of implementation; Finetuning classes, Generalizations, Realizing, Testing	"	
91	5/6	14/10/2017	Legacy Systems: Reverse engineering; Building the class models	"	
92	6/6	16/10/2017	Building the interaction model; Building the state model; Reverse engineering tips; Wrapping; Maintenance. Revision	"	
93	1/2	17/10/2017	Unit-7: Design Patterns – 1: What is a pattern and what makes a pattern? Pattern categories.	"	
94	2/7	23/10/2017	Relationships between patterns, Pattern description.	"	

95	3/7	24/10/2017		"	ASSIGN MENT-3	
			Patterns and software Architecture.			
96	4/7	26/10/2017		"		
			Forwarder-Receiver.			
97	5/7	27/10/2017		"		
			Client-Dispatcher-Server			
98	6/7	28/10/2017	Publisher-Subscriber	"		
99	1/8	30/10/2017	Unit-8: Design Patterns – 2,	"		
	1/0	30/10/2017	Idioms: Management Patterns: Command processor,			
10	2/8	31/11/2017	Command processor,	"		
	2/0	31/11/2017	Command Processor (Contd)			
10	3/8	2/11/2017		"		
			View Handler			
10	4/8	3/11/2017	Idioms: Introduction, What can	"		
10	<i>5</i> /0	4/11/2017	idioms provides? Idioms and style.	"		
10	5/8	4/11/2017	Where to find idioms, Counted			
10	6/8	8/11/2017	Pointer example.			
10	0/8	0/11/2017	Student Presentation - Beyond			
			the syllabus topic			
10	1/4	9/11/2017	Unit 4: Process Overview,	"		
			System Conception, Domain Analysis Process Overview:			
			Development stages, Development			
			life cycle			
10	2/4	10/11/2017	System Conception: Devising a	"		
			system concept; Elaborating a			
			concept; Preparing a problem			
			statement.			
10	3/4	13/11/2017	Domain Analysis: Overview of	"		
10	5/4	14/11/2017	analysis	"		
10	3/4	14/11/201/	Domain class model			
10	6/4	15/11/2017		"		
			Domain state model			
11	7/4	16/11/2017	Domain interaction model, Iterating	"		
			the analysis			

Syllabus for Internal Assessment Tests $(IAT)^*$

Sessional #	Syllabus
T1	Class # 01 - 20
T2	Class # 21 – 37
T3	Class # 38 – 55

^{*:} See calendar of events for the schedules of IATs.

Literature:

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References	RB1	Grady Booch et al: Object-Oriented Analysis and Design with Applications,	3rd Edition, Pearson Education, 2007.	13: 978-0-201- 89551-3	
References	RB2	Brahma Dathan, Sarnath Ramnath: Object- Oriented Analysis, Design, and Implementation,	Universities Press, 2009.	10: 8173717117 13: 9788173717116	
References	RB3	Hans-Erik Eriksson, Magnus Penker, Brian Lyons, David Fado: UML 2 Toolkit,	Wiley-Dreamtech India, 2004.	10: 0471463612	

Signature of faculty

Signature of HOD

Signature of Principal