



The South Indian Association's
The S.I.A. College of Higher Education
Affiliated to University of Mumbai
Accredited B+ by NAAC
P-88, MIDC Residential Area Dombivli Gymkhana Road,
Near Balaji Mandir, Dombivli (East), 421203.

Department of Information Technology and Mathematics

Year 2016-17

- Teaching Plan (Semester I, III, V & Semester II, IV, VI)

THE SIA COLLEGE OF HIGHER EDUCATION, DOMBIVLI(E)

TEACHING PLAN 2016-17

SEMESTER:	I	SUBJECT: Digital Electronics	COURSE:	B.Sc.(I.T)
NAME OF TEACHER:	Mrs. Tejaswini Shivsharan		CLASS:	FYIT

MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES		REMARKS	REVIEWED BY
			PLANNED	TAKEN		
July	Unit -I	Number System:				
		Analog System, digital system, numbering system, binary number system, octal number system, hexadecimal number system, conversion	10	08	Completed	TL
		from one number system to another, floating point numbers, weighted				
		codes binary coded decimal, non-weighted codes Excess - 3 code, Gray				
		code, Alphanumeric codes - ASCII Code, EBCDIC, ISCI Code,				
		Hollerith Code, Morse Code, Teletypewriter (TTY), Error detection	10	08	Completed	TL
		and correction, Universal Product Code, Code conversion.				
		Binary Arithmetic:				
		Binary addition, Binary subtraction, Negative number representation,				
		Subtraction using 1's complement and 2's complement, Binary				
		multiplication and division, Arithmetic in octal number system,				
Arithmetic in hexadecimal number system, BCD and Excess - 3						
arithmetic.						

August	Unit -II	Boolean Algebra and Logic Gates:					
		Introduction, Logic (AND OR NOT), Boolean theorems, Boolean					
		Laws, De Morgan's Theorem, Perfect Induction, Reduction of Logic	10	08	Completed		
		expression using Boolean Algebra, Deriving Boolean expression from					
		given circuit, exclusive OR and Exclusive NOR gates, Universal Logic					
		gates, Implementation of other gates using universal gates, Input					
		bubbled logic, Assertion level.					
		Minterm, Maxterm and Karnaugh Maps:					
		Introduction, minterms and sum of minterm form, maxterm and Product		02			
		of maxterm form, Reduction technique using Karnaugh maps -				Completed	
September		2/3/4/5/6 variable K-maps, Grouping of variables in K-maps, K-maps		05			
		for product of sum form, minimize Boolean expression using K-map					
		and obtain K-map from Boolean expression, Quine Mc Cluskey					
		Method.					
		Combinational Logic Circuits:		05	Comp.	VI	
September	Unit-III	Introduction, Multi-input, multi-output Combinational circuits, Code					
		converters design and implementations					
		Arithmetic Circuits:		05	Comp.	VII	
		Introduction, Adder, BCD Adder, Excess - 3 Adder, Binary					
		Subtractors, BCD Subtractor, Multiplier, Comparator.					
August							

September	Unit-IV	Multiplexer, Demultiplexer, ALU, Encoder and Decoder.					
		Introduction, Multiplexer, Demultiplexer, Decoder, ALU, Encoders.					
		Sequential Circuits: Flip-Flop:					
		Introduction, Terminologies used, S-R flip-flop, D flip-flop, JK flipflop,			BY		
		Race-around condition, Master - slave JK flip-flop, T flip-flop,					
		conversion from one type of flip-flop to another, Application of flipflops.					
		Counters:					
		Introduction, Asynchronous counter, Terms related to counters, IC					
		7493 (4-bit binary counter), Synchronous counter, Bushing, Type T					
		Design, Type JK Design, Presettable counter, IC 7490, IC 7492, Synchronous counter ICs, Analysis of counter circuits.			BY	Cont	
September	Unit-V	Shift Register:					
		Introduction, parallel and shift registers, serial shifting, serial-in serial-					
		out, serial-in parallel-out, parallel-in parallel-out, Ring counter,					
		Johnson counter, Applications of shift registers, Pseudo-random binary					
		sequence generator, IC7495, Seven Segment displays, analysis of shift					
		counters					

Faculty Member 

Convener 


Principal

AUGUST	Unit-VI	Configuring Web server-Apache web server, SSL,CGI,configuring system with SSL System Administration utilities	10				

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The S.I.A. College of Higher Education
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THE SIA COLLEGE OF HIGHER EDUCATION, DOMBIVLI(E)

TEACHING PLAN 2016-17

SEMESTER: I		SUBJECT: Imperative Programming	COURSE:	B Sc.I.T.		
NAME OF TEACHER: Mrs. Nandini Kadam			CLASS:	F.Y.B.Sc.I.T.		
MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES PLANNED	TAKEN	REMARKS	REVIEWED BY
July	Unit I	Types of Programming languages, History, features and application. Simple program logic, program development cycle, pseudocode statements and flowchart symbols, sentinel value to end a program, programming and user environments, evolution of programming models., desirable program characteristics	4	04	Done	III
		Structure of a program. Compilation and Execution of a Program, Character Set, Identifiers and keywords, data types, constants, variables and arrays, declarations, expressions, statements, Variable definition, symbolic constants.	4	04		III
		Operators and Expressions: Arithmetic operators, unary operators, relational and logical operators, assignment operators, assignment operators, the conditional operator, library functions.	8	07		III
July	Unit II	Data Input and output: Single character input and output, entering input data, scanf function, printf function, gets and puts functions, interactive programming.	8	07		III
August	Unit II	Conditional Statements and Loops: Decision Making Within A Program, Conditions, Relational Operators, Logical Connectives, If Statement, If-Else Statement, Loops: While Loop, Do While, For Loop, Nested Loops, Infinite Loops, Switch Statement	4	06		III
August	Unit III					

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TEACHING PLAN 2016-17

SEMESTER: I	SUBJECT: Imperative Programming	COURSE: B.Sc.I.T.			
NAME OF TEACHER: Mrs. Nandini Kadam		CLASS: F.Y.B.Sc.I.T.			
MONTH	TOPIC	NO. OF LECTURES PLANNED	TAKEN	REMARKS	REVIEWED BY
september	Unit III	4		Done	III
	Overview, defining a function, accessing a function, passing arguments to a function, specifying argument data types, function prototypes, recursion, modular programming and functions, standard library of c functions, prototype of a function: foo() parameter list, return type, function call, block structure, passing arguments to a function: call by reference, call by value.				
	Program structure:				
	Storage classes, automatic variables, external variables, static variables, multifile programs, more library functions,	02			
	Preprocessor: Features, #define and #include, Directives and Macros	4	02		
	Arrays:				
	Definition, processing, passing arrays to functions, multidimensional arrays, arrays and strings	4	04		III
	Pointers:				
September	unit IV				
	Fundamentals, declarations, Pointers Address Operators, Pointer Type Declaration, Pointer Assignment, Pointer Initialization, Pointer Arithmetic, Functions and Pointers, Arrays And Pointers, Pointer Arrays, passing functions to other functions				
October	unit V	8			

FACULTY *Nandini Kadam*

CO-ORDINATOR *W*

PRINCIPAL *S. S. Shinde*

TEACHING PLAN 2016-17

SEMESTER:	1	SUBJECT: DISCRETE MATHEMATICS	COURSE:	USIT104
NAME OF TEACHER:	MRS. VANDANA SANDEEP JADHAV		CLASS:	F.Y.I.T.

MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES		REMARKS	REVIEWED BY
			PLANNED	TAKEN		
Jul-16	UNIT I Introduction:	Variables, The Language of Sets, The Language of Relations and Function	3	03	complete	III
JUL-AUG-16	Set Theory	Definitions and the Element Method of Proof, Properties of Sets, Disproofs, Algebraic Proofs, Boolean Algebras, Russell's Paradox and the Halting Problem.	5	05	complete	III
Aug-16	The Logic of Compound Statements	Logical Form and Logical Equivalence, Conditional Statements, Valid and Invalid Arguments	4	04	complete	III
	UNIT II					
Aug-16	Quantified Statements	Predicates and Quantified Statements, Statements with Multiple Quantifiers, Arguments with Quantified Statements	5	05	11	III
Aug-16	Elementary Number Theory and Methods of Proof	Introduction to Direct Proofs, Rational Numbers, Divisibility, Division into Cases and the Quotient-Remainder Theorem, Floor and Ceiling, Indirect Argument: Contradiction and Contraposition, Two Classical Theorems, Applications in algorithms.	7	07		III
	UNIT III					

AUG-SEPT-16	Sequences, Mathematical Induction, and Recursion	Sequences, Mathematical Induction, Strong Mathematical Induction and the Well-Ordering Principle for the Integers, Correctness of algorithms, defining sequences recursively, solving recurrence relations by iteration, Second order linear homogenous recurrence relations with constant coefficients. general recursive definitions and structural induction	6	056	Done	10
Sep-16	Functions	Functions Defined on General Sets, One-to-One and Onto, Inverse Functions, Composition of Functions, Cardinality with Applications to Computability	6	056		
	UNIT IV					
Sep-16	Relations	Relations on Sets, Reflexivity, Symmetry, and Transitivity, Equivalence Relations, Partial Order Relations	5	05		
Sep-16	Graphs and Trees	Definitions and Basic Properties, Trails, Paths, and Circuits, Matrix Representations of Graphs, Isomorphism's of Graphs, Trees, Rooted Trees, Isomorphism's of Graphs, Spanning trees and shortest paths.	7	04		
	UNIT V					

<p>Sep-16</p>	<p>Counting and Probability</p>	<p>Introduction, Possibility Trees and the Multiplication Rule, Possibility Trees and the Multiplication Rule, Counting Elements of Disjoint Sets: The Addition Rule, The Pigeonhole Principle, Counting Subsets of a Set: Combinations, r-Combinations with Repetition Allowed, Probability Axioms and Expected Value, Conditional Probability, Bayes' Formula, and Independent Events.</p>	<p>12</p>	<p>10</p>	<p>T. S. Rao</p>	<p>III</p>
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FACULTY *H. Adhikari*

CO-ORDINATOR *II*



Prakash
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TEACHING PLAN 2016-17

SEMESTER:	I	SUBJECT: OS	COURSE:	Information Technology
NAME OF TEACHER:	Sandhya Pandey		CLASS:	F.Y. Bsc I.T.

MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES		REMARKS	REVIEWED BY
			PLANNED	TAKEN		
July	Unit I	Introduction: What is an operating system? History of operating system, computer hardware, different operating systems, operating system concepts, system calls, operating system structure. Processes and Threads: Processes, threads, interprocess communication, scheduling, IPC problems.	12	12	Completed	<u>SP</u>
July/August	Unit II	Memory Management: No memory abstraction, memory abstraction: address spaces, virtual memory, page replacement algorithms, design issues for paging systems, implementation issues, segmentation. File Systems: Files, directories, file system implementation, file-system management and optimization, MS-DOS file system, UNIX V7 file system, CD ROM file system.	12	12	Completed	<u>SP</u>
August/September	Unit III	Input-Output: Principles of I/O hardware, Principles of I/O software, I/O software layers, disks, clocks, user interfaces: keyboard, mouse, monitor, thin clients, power management, Deadlocks: Resources, introduction to deadlocks, the ostrich algorithm, deadlock detection and recovery, deadlock avoidance, deadlock prevention, issues.	12	12	Completed	<u>Sandhya</u>

MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES PLANNED	TAKEN	REMARKS	REVIEWED BY
August/September	Unit IV	Virtualization and Cloud: History, requirements for virtualization, type 1 and 2 hypervisors, techniques for efficient virtualization, hypervisor microkernels, memory Multiple Processor Systems Multiprocessors, multicomputers, distributed systems, virtualization, I/O virtualization, Virtual appliances, virtual machines on multicore CPUs, Clouds. Multiple Processor Systems: Multiprocessors, multicomputers, distributed systems.	12	05	Running	
September	Unit V	Case Study on LINUX and ANDROID: History of Unix and Linux, Linux Overview, Processes in Linux, Memory management in Linux, I/O in Linux, Linux file system, security in Linux. Android Case Study on Windows: History of windows through Windows 10, programming windows, system structure, processes and threads in windows, memory management, caching in windows, I/O in windows, Windows NT file system, Windows power management, Security in windows.	12	-	yet to complete	

Sandhya
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TEACHING PLAN 2016-17

SEMESTER:	I	SUBJECT:	Imperative Programming	COURSE:	B.Sc.I.T.	REVIEWED BY	
NAME OF TEACHER:	Mrs. Nandini Kadam	CLASS:	F.Y.B.Sc.I.T.	NO. OF LECTURES		REMARKS	
MONTH	TOPIC	SUB-TOPIC	PLANNED	TAKEN			
July	Unit I	Types of Programming languages, History, features and application. Simple program logic, program development cycle, pseudocode statements and flowchart symbols, sentinel value to end a program, programming and user environments, evolution of programming models., desirable program characteristics	4	04	Done	III	
		Structure of a program. Compilation and Execution of a Program, Character Set, identifiers and keywords, data types, constants, variables and arrays, declarations, expressions, statements, Variable definition, symbolic constants.	4	04		III	
		Operators and Expressions: Arithmetic operators, unary operators, relational and logical operators, assignment operators, assignment operators, the conditional operator, library functions.	8	07		III	
July	Unit II	Data Input and output: Single character input and output, entering input data, scanf function, printf function, gets and puts functions, interactive programming.	8	07		III	
August	Unit II	Conditional Statements and Loops: Decision Making Within A Program, Conditions, Relational Operators, Logical Connectives, If Statement, If-Else Statement, Loops: While Loop, Do While, For Loop. Nested Loops, Infinite Loops, Switch Statement	4	06		III	
August	Unit III						

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TEACHING PLAN 2016-17

SEMESTER:	I	SUBJECT:	Imperative Programming	COURSE:	B.Sc.I.T.	REVIEWED BY	
NAME OF TEACHER:	Mrs. Nandini Kadam	CLASS:	F.Y.B.Sc.I.T.	NO. OF LECTURES PLANNED		REMARKS	
MONTH	TOPIC	SUB-TOPIC	PLANNED	TAKEN			
september	Unit III	Overview, defining a function, accessing a function, passing arguments to a function, specifying argument data types, function prototypes, recursion, modular programming and functions, standard library of c functions, prototype of a function: foollal parameter list, return type, function call, block structure, passing arguments to a function: call by reference, call by value. Program structure: Storage classes, automatic variables, external variables, static variables, multifile programs, more library functions, Preprocessor: Features, #define and #include, Directives and Macros Arrays: Definition, processing, passing arrays to functions, multidimensional arrays, arrays and strings Pointers:	4	02 02	over	II	
september	unit IV	Pointers: Fundamentals, declarations, Pointers Address Operators, Pointer Type Declaration, Pointer Assignment, Pointer Initialization, Pointer Arithmetic, Functions and Pointers, Arrays And Pointers, Pointer Arrays, passing functions to other functions	4	04.			II
September October	unit V		8				

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TEACHING PLAN 2016-17

SEMESTER:	III	SUBJECT: OOPS	COURSE:	Information Technology
NAME OF TEACHER:	Sandhya Pandey		CLASS:	S. Y. Bsc I.T.

MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES		REMARKS	REVIEWED BY
			PLANNED	TAKEN		
June	Unit I	Introduction to OOPs: Need object oriented programming, comparison of procedural and object oriented approach, characteristics of OOPs – object, classes, polymorphism, inheritance, reusability, data hiding and abstraction, applications of OOPs	8	8	Completed	III
June/July	Unit II	Classes and Objects: Class declaration, constructors, constructor initialization lists, access functions, private member functions, the copy constructor, the class destructor, constant objects, structures, pointers to objects, static data members, static function members	8	8	Completed	III
July	Unit III	Operator Overloading: overloading the assignment operator, the this pointer, overloading arithmetic operators, overloading the arithmetic assignment operators, overloading the relational operators, overloading the stream operators, conversion operators, overloading the increment and decrement operators, overloading the subscript operator	8	8	Completed	III

MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES PLANNED	TAKEN	REMARKS	REVIEWED BY
July/August	Unit IV	Composition and Inheritance: inheritance, protected class members, overriding and dominating inherited members, private access verses protected access, virtual functions and polymorphism, virtual destructors, abstract base classes, File Handling: Classes for file stream operations, opening and closing a file, detecting end of file, file modes, file pointers and their manipulations, sequential input and output operations, random access, file operations error handling, command line argument	8	8	Completed	III
August	Unit V	Strings and Streams: the string class interface, the constructors and destructor, the copy constructor, the assignment operator, the addition operator, an append operator, access functions, the comparison operators, stream operators, stream classes, the ios class, ios format flags, ios state, variables, the istream and ostream classes, unformatted input functions, unformatted output functions, stream manipulators.	8	8	Completed	III
August / September	Unit VI	Templates and Iterators: function templates, class templates, container classes, subclass templates, passing template classes to template parameters, iterator classes, Libraries: the standard C++ library, proprietary libraries, contents of the standard c headers, string streams, file processing, the standard template library	8	6	Completed	III

Sandhya
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Pashankar
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TEACHING PLAN 2016-17

SEMESTER:	III	SUBJECT: OOPS(Practical)	COURSE:
NAME OF TEACHER:	Sandhya Pandey		Information Technology
			S.Y. Bsc I.T.

MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES		REMARKS	REVIEWED BY
			PLANNED	TAKEN		
June	Practical 1	Programs with classes and Private member Functions	3	3	Completed	III
July	Practical 2,3	Programs with classes with friend Functions, Constructor and Constructor overloading	6	3	Completed	III
July/August	Practical 4,5	Programs with classes with operator overloading, Inheritance	6	6	Completed	II
August	Practical 6,7	Programs with method overriding, virtual Functions, Abstract Class, string functions	6	3	Completed	III
September	Practical 8,9	Programs with Exception Handling, File Handling	3	3	Completed	
September	Practical 10	Programs with template classes library	3	3	Completed	

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TEACHING PLAN 2016-2017

Term / Semester : III

Name of the Teacher : Sreekala Nair

Subject :

LOGIC & DISCRETE MATHEMATICS

Course

IT

Class

SY/T

Month	Topic	Sub-Topic	No. of Lectures		Remarks	Reviewed By
			Planned	Taken		
JUNE	Unit - 1					
	Set theory	Fundamentals, Venn diagram, Operations on sets	4	4	/	II
		Laws of set theory, Power sets and products, Partition of sets	2	2		
		The Principle of Inclusion-Exclusion	3	2	/	II
		Propositions and logical operations, Truth tables	2	2		
	Logic	Equivalence, implications, Laws of logic, Normal forms, Predicates and quantifiers	3	3		
		Mathematical induction	3	3	/	II
JULY	Unit-2					
	Relations and Digraphs	Product sets and partitions, relations and digraphs, paths in relations and digraphs, Properties of relations	2	2	/	II
		Equivalence and partially ordered relations, computer representation of relations and digraphs	4	2		

		Manipulation of relations, Transitive closure and Marshall's algorithm	2	3		<u>II</u>
	Lattice	Posets and Hasse diagrams	3	3	}	
	Lattice	Lattice	3	3	}	
	Unit-III					
	Unit-III	Definitions and types of functions: Injective, surjective and bijective, composition, identity and inverse	3	3	}	<u>III</u>
	Functions and Pigeon Hole principle	Pigeon hole principle	2	3	}	
AUGUST						
	Unit-IV					
	Unit-IV	Graphs, Euler paths and circuits, Hamiltonian paths and circuit	1	1	}	<u>IV</u>
	Graphs and Trees	Planar graphs, coloring graphs, Isomorphism of graphs	1	1	}	
		Trees, rooted trees, pathlength in rooted trees, spanning tree and minimal spanning trees, Isomorphism of trees	2	1	}	
		Weighted trees and prefix codes	2	1		
	Unit-V					
	Unit-V	Semi group, monoids and groups, Product and quotient of algebraic structures, isomorphism	1	4	}	<u>V</u>
	Algebraic Structures	Homomorphism, automorphism, cyclic groups, normal sub groups	2	5	}	
		codes and group codes	1	2	}	

		Rings, Integral domains and fields, Ring homomorphism and isomorphism	2	3		III
	Unit-VI					
	Generating functions & Recurrence Relations	Series & sequences, Generating functions	1	2		III
		Recurrence relations, Applications	1	2		
		Solving differential Equations	3	3		
		Fibonacci	1	1		

Faculty *DOM*

Convenor *III*



Principals
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TEACHING PLAN 2016-17

SEMESTER:	III	SUBJECT: Computer Graphics	COURSE:	B Sc.I.T.
NAME OF TEACHER:	Mrs. Nandini Kadam	CLASS:	S.Y.B.Sc.I.T.	

MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES		REMARKS	REVIEWED BY
			PLANNED	TAKEN		
Jun	Unit I	Introduction to computer graphics & primitive algorithms	4	04		III
July		Scan conversion of graphics primitives	4	03		III
July	Unit II	2D transformation	8	06		III
July	Unit III	3D transformation	8	08		III
August	Unit IV	viewing & clipping Filling algorithms	4	05		III
August	Unit V	Introduction to curves Introduction to visible and hidden surfaces	4	04		III
September	Unit VI	Object rendering Animation	4	04		III

Nandini Kadam
Faculty

II
Co-ordinator

Rudraj Patil
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TEACHING PLAN 2016-17

SEMESTER:	III	III	SUBJECT: Advanced SQL	COURSE:	IT	REMARKS	REVIEWED BY
NAME OF TEACHER:	Sandhya Thakkar			CLASS:	5 th YIT		
MONTH	TOPIC	SUB-TOPIC		NO. OF LECTURES PLANNED	TAKEN		
JUNE and JULY	Unit - I Structured Query Language:	Writing Basic SQL Select Statements, Restricting and Sorting Data, Single-Row Functions, Joins(Displaying Data from Multiple Tables), Aggregating Data using Group Functions, Subqueries, Manipulating Data, Creating and Managing Tables, Including Constraints, Creating Views, Creating Other Database Objects(Sequences, Indexes and Synonyms)		20	26	Completed	III
AUGUST	Unit- II Advanced SQL:	Controlling User Access, Using SET operators, Date/Time Functions, Enhancements to Group by clause(cube, Rollup and Grouping), Advanced Subqueries (Multiple column subqueries, Subqueries in FROM clause, Scalar and correlated subqueries), WITH Clause, Hierarchical retrieval,		20	19	Completed	III

THE SIA COLLEGE OF HIGHER EDUCATION, DOMBIVLI(E)
TEACHING PLAN 2016-17

SEMESTER:	V	SUBJECT: Advanced SQL	COURSE:	IT		
NAME OF TEACHER:	Sandhya Thakkar		CLASS:	5 th YIT		
MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES PLANNED	TAKEN	REMARKS	REVIEWED BY
AUGUST	Unit – V Stored Procedures	Create a Modularized and Layered Subprogram Design, the PL/SQL Execution Environment, differences between Anonymous Blocks and Subprograms, Create, Call, and Remove Stored Procedures, Implement Procedures Parameters and Parameters Modes, View Procedure Information,				
		Stored Functions and Debugging Subprograms, Create, Call, and Remove a Stored Function, advantages of using Stored Functions, the steps to create a stored function,	11	11	Completed	IT
		Invoke User-Defined Functions in SQL Statements, Restrictions when calling Functions,				
		Control side effects when calling Functions, View Functions Information, debug Functions and Procedures, Packages, advantages of Packages, components of a Package,				
		Develop a Package, enable visibility of a Package's Components, Create the Package Specification and Body using the SQL CREATE Statement and SQL Developer,				
		Invoke the Package Constructs,				
		View the PL/SQL Source Code using the Data Dictionary, Deploying Packages,				
		Overloading Subprograms in PL/SQL,				

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TEACHING PLAN 2016-17

SEMESTER:	V	SUBJECT: Advanced SQL	COURSE:	IT		
NAME OF TEACHER:	Sandhya Thakkar		CLASS:	TYIT		
MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES PLANNED	TAKEN	REMARKS	REVIEWED BY
	Unit – VI Dynamic SQL:					
		Manage, Test and Remove Triggers.				
		Creating Compound,				
		DDL and Event Database Triggers,				
		Compound Trigger Structure for Tables and Views,				
		Compound Trigger to Resolve the Mutating Table Error,				
		Comparison of Database Triggers and Stored Procedures,				
		Create Triggers on DDL Statements,				
		Create Database-Event and System- Events Triggers,				
		System Privileges Required to Manage Triggers				

Subject Teacher: Sandhya Thakkar

Sandhya

Convenor:

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TEACHING PLAN 2016-17

SEMESTER:	III	SUBJECT: MODERN OPERATING SYSTEM	COURSE:	IT
NAME OF TEACHER:	MRS. S. SAI SREE		CLASS:	SYT

MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES PLANNED	TAKEN	REMARKS	REVIEWED BY
JUNE	INTRODUCTION TO OPERATING SYSTEM	OS and Computer System, System Performance, Classes of OS,	10	11	9	III
		Types of processing in operating System, Hand held system, Clustered System, Compiles, Interpreters, Assemblers and linkers.				
		Os Services, user Os Interface				
		Types of System calls, system programs,				
		OS Design and implementation,				
		OS structure, Virtual machines, OS Generation, System Boot				
		Processes Concept, process scheduling				
		Scheduling criteria, scheduling algorithms, IPC, Multithreading models,				
		Threading issues, Thread scheduling, Critical section problem, peterson solution, semaphores				
		Memory management without swapping or paging, virtual memory				
JULY	PROCESSES AND SYNCHRONIZATION	page replacement algorithms,	10	10	10	IV
		design issues for paging systems, segmentation				
		File concept, file system mounting, Free space management, File sharing				
		NFS				
AUGUST	MEMORY MANAGEMENT	FILE SYSTEM INTERFACE AND IMPLEMENTATION	5	5		

SEPTEMBER	MASS STORAGE STRUCTURE	Disk structure, disk management, swap space management, RAID structure, stable storage implementation	5	5	Taken	III
	MASS STORAGE STRUCTURE	deadlock, detection and recovery avoidance and prevention	4	4 4	Taken	III
	I/O SYSTEM	Application I/O interface, transforming requests to h/w operations, STREAMS, performance	4	4	Taken	II
	PROTECTION & SECURITY	Principles & Domains of protection, Access matrix, access control, Capability based systems, language based protection, the security problem implementing security defenses.				

Q. Q. Q.
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THE SIA COLLEGE OF HIGHER EDUCATION, DOMBIVLI(E)

TEACHING PLAN 2016-17

SEMESTER:	# V	SUBJECT: NETWORK SECURITY	COURSE:	IT
NAME OF TEACHER:	MRS.S.SAI SREE		CLASS:	TYIT

MONTH	TOPIC	SUB-TOPIC	NO.OF LECTURES		REMARKS	REVIEWED BY
			PLANNED	TAKEN		
JUNE	COMPUTER SECURITY	Introduction, Need for security, Principles of security, types of attacks	5	4	Completed	III
	CRYPTOGRAPHY	Plain text and Cipher Text, Substitution techniques, Caesar Cipher, Mono-alphabetic Cipher, Polygram, Polyalphabetic Substitution, Playfair, Hill Cipher, Transposition techniques, Encryption and Decryption, Symmetric and Asymmetric Key Cryptography, Steganography, Key Range and Key Size, Possible Types of Attacks	6	6	Completed	III
		SYMMETRIC KEY ALGORITHMS AND AES	Algorithms types and modes, Overview of Symmetric key Cryptography, Data Encryption Standard(DES)	8	9	Completed
JULY	SYMMETRIC KEY ALGORITHMS AND AES	International Data Encryption Algorithm (IDEA), RC4, RC5, Blowfish, Advanced Encryption Standard (AES)	6	7	Completed	III

JULY	ASYMMETRIC KEY ALGORITHMS, DIGITAL SIGNATURES AND RSA	Brief history of Asymmetric Key Cryptography Overview of Asymmetric Key Cryptography, RSA algorithm, Symmetric and Asymmetric key cryptography together, Digital Signatures, Knapsack Algorithm, Some other algorithms	4	6	Completed	III
	DIGITAL CERTIFICATES AND PUBLIC KEY INFRASTRUCTURE (PKI)	Digital Certificates	3	5	Completed	II
AUGUST	DIGITAL CERTIFICATES AND PUBLIC KEY INFRASTRUCTURE (PKI)	Private Key Management, The PKIX Model Public Key Cryptography Standards (PKCS) XML, PKI and Security, Hash functions Key Distribution, Blom's Scheme, Diffie-Hellman Key Distribution, Kerberos, Diffie-Hellman Key Exchange, The Station-to-station Protocol	11	11	Completed	III
	NETWORK SECURITY FIREWALLS AND VIRTUAL PRIVATE NETWORKS	Brief Introduction to TCP/IP, Firewalls, IP Security, Virtual Private Networks (VPN), Intrusion	7	7	Completed	III
SEPTEMBER	INTERNET SECURITY PROTOCOLS	Basic concepts, Secure Socket Layer (SSL), Transport Layer Security (TLS), Secure Hyper Text Transfer Protocol (SHTTP), Time Stamping Protocol (TSP), Secure Electronic Transaction (SET), SSL vs SET, 3-D Secure Protocol, Electronic Money, E-mail Security, Wireless Application Protocol (WAP) Security, Security in GSM, Security in 3G	8	8	Completed	III

SEPTEMBER	USER AUTHENTICATION AND KERBEROS	Authentication basics, Passwords, Authentication Tokens, Certificate-based Authentication, Biometric Authentication, Kerberos, Key Distribution Center (KDC) Security Handshake Pitfalls, Single Sign On (SSO) Approaches	10	05	camp.	III
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TEACHING PLAN 2016-17

SEMESTER:	V	SUBJECT: NETWORK SECURITY	COURSE:	IT
NAME OF TEACHER:	MRS. S. SAI SREE		CLASS:	TYIT

MONTH	PROGRAM	NO. OF SESSIONS	
		PLANNED	TAKEN
June	1. Implementing Substitution Ciphers a. Caesar Cipher b. Modified Caesar Cipher c. Mono-Alphabetic d. Poly-Alphabetic 2. Implementing Transposition Ciphers a. Rail fence Techniques b. Simple Columnar c. Multicolumnar d. Vernam Cipher	2	2
July	3. Implementing Diffie Helman Key Exchange Algorithm 4. Implementing DES Algorithm 5. Implementing IDEA 6. Implementing AES	4	4
August	7. Implementing RSA Algorithm 8. Implementing RC4, RC5 9. Implementing Blowfish	5	4
September		4	4

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TEACHING PLAN 2016-17

SEMESTER:	V	SUBJECT: ASP.NET With C#	COURSE: Information Technology
NAME OF TEACHER:	Sandhya Pandey	CLASS:	T.Y. Bsc I.T.

MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES		REMARKS	REVIEWED BY
			PLANNED	TAKEN		
June	Unit I	Review of .NET frameworks, Introduction to C#, Variables and expressions, flow controls, functions, debugging and error handling, OOPs with C#, Defining classes and class members.	10	10	Completed	<u>III</u>
June/July	Unit II	Assembly, Components of Assembly, Private and Shared Assembly, Garbage Collector, JIT compiler. Namespaces Collections, Delegates and Events. Introduction to ASP.NET 4: Microsoft.NET framework, ASP.NET lifecycle. CSS: Need of CSS, Introduction to CSS, Working with CSS with visual developer.	10	10	Completed	<u>III</u>
July	Unit III	ASP.NET server controls: Introduction, How to work with button controls, Textboxes, Labels, checkboxes and radio buttons, list controls and other web server controls, web.config and global.asax files. Programming ASP.NET web pages: Introduction, data types and variables, statements, organizing code, object oriented basics.	10	10	Completed	<u>III</u>

MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES		REMARKS	REVIEWED BY
			PLANNED	TAKEN		
July/August	Unit IV	Validation Control: Introduction, basic validation controls, validation techniques, using advanced validation controls. State Management: Using view state, using session state, using application state, using cookies and URL encoding. Master Pages: Creating master pages, content pages, nesting master pages, accessing master page controls from a content page. Navigation: Introduction to use the site navigation, using site navigation controls.	10	10	Completed	IV
August	Unit V	Databases: Introduction, using SQL data sources, GridView Control, DetailsView and FormView Controls, ListView and DataPager controls, Using object datasources. ASP.NET Security: Authentication, Authorization, Impersonation, ASP.NET provider model	10	10	Completed	III
September	Unit VI	LINQ: Operators, implementations, LINQ to objects, XML, ADO.NET, Query Syntax. ASP.NET Ajax: Introducing AJAX, Working of AJAX, Using ASP.NET AJAX server controls. JQuery: Introduction to JQuery, JQuery UI Library, Working of JQuery	10			

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TEACHING PLAN 2016-17

SEMESTER:	V	SUBJECT: ASP.NET With C#(Practical	COURSE:	Information Technology
NAME OF TEACHER:	Sandhya Pandey		CLASS:	T.Y. Bsc I.T.

MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES		REMARKS	REVIEWED BY
			PLANNED	TAKEN		
June	Practical 1	Simple Programs with C#, Write programs using conditional statements and loops	6	3	carry forwarded	III
July	Practical 2	Program using classes, Program with different features of C#: Function Overloading, Inheritance (all types), Constructor overloading, Interfaces, Using Delegates and events, Exception handling	6	3+3	completed	III
July/August	Practical 3,4,5	Programs using different controls, Programs using CSS, Programs using ASP.NET Server controls.	6	6	completed	III
August	Practical 6,7	Database programs with ASP.NET and ADO.NET, Programs using Language Integrated query.	3	3	completed	III
September	Practical 8,9	Programs securing web pages, Implement the exercise on AJAX.	3	3	completed	III
September	Practical 10	Implement the exercise on JQuery.	3	3	completed	Sandhya

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TEACHING PLAN 2016-17

SEMESTER:	V	SUBJECT: SOFTWARE TESTING	COURSE:	USIT503
NAME OF TEACHER:	MRS. VANDANA SANDEEP JADHAV	CLASS:	T.Y.I.T.	

MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES		REMARKS	REVIEWED BY
			PLANNED	TAKEN		
Jul-16	Introduction	Introduction to quality, software quality, fundamentals of software testing, VV model of testing.	6	06	complete	IV
Jul-16	UNIT II					
Jul-16	Functional Testing:	Boundary value Testing, Equivalence class testing, Decision Table based testing, Retrospection.	7	07	complete	III
Jul-16	UNIT III					
Jul-16	Structural Testing	Path Testing, Data Flow Testing, Retrospection	4	03	complete	IV
Aug-16	UNIT IV		2	02	complete	
Aug-16	Levels of Testing	Integration Testing, System Testing, Interaction Testing	8	06	complete	III
Aug-16	UNIT V					
AUG-SEPT-16	Object Oriented Testing	Issues, Class Testing, Object Oriented Integration Testing, Object Oriented System Testing	7	04	complete	IV
Aug-16	UNIT VI					
Sep-16	Testing Process	Planning, Metrics and Reports, Quantitative and Qualitative Analysis, Improvements.	6			

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TEACHING PLAN 2016-17

SEMESTER:	V	SUBJECT: Linux Administration	COURSE:	B.Sc.(I.T)		
NAME OF TEACHER:	Mrs. Tejaswini Shivsharan	CLASS:	TYIT			
MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES PLANNED	TAKEN	REMARKS	REVIEWED BY
JUNE	Unit -I	Introduction to LINUX, UNIX, GNU Duties of System Administrator Booting and Shutting down Understanding the File System	10	05	Completed.	III
JUNE	Unit -II	System Configuration files TCP/IP Networking The network file system and installation	10	10	Completed II nd unit	III
JULY	Unit-III	Connecting to MS network Additional Network Services Configuration of Time server, Samba server	10	15	Completed 2 nd unit & next unit started	III
JULY	Unit-IV	Internet Services:ssh,sctp,ftpt DNS:understanding and configuring DNS server,configuring linux firewall	10	02 07	Completed 2 nd unit	III
AUGUST	Unit-V	Configuring mail server, services SMTP protocol,IMAP,POP3 Configuring FTP services	10	10	Completed.	III

August	September	Unit-VI	Configuring Web server - Apache web server, SSI, CGI, configuring system with SSL	10				
			System Administration utilities					

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TEACHING PLAN 2016-17**

SEMESTER:	V	SUBJECT: Advanced JAVA	COURSE:	IT		
NAME OF TEACHER:	Sandhya Thakkar		CLASS:	TYIT	REMARKS	REVIEWED BY
MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES PLANNED	TYIT TAKEN		
JUNE	Event Handling	The delegation event model, Events, Event classes, Event Listener Interfaces, Using the Delegation event model, Adapter classes, Inner classes	10	16	Completed III	III
JULY	Swing	JColorChooser, JComboBox, JFileChooser, JInternalFrame, JLabel, JMenuBar, JOptionPane, JLayeredPane, JDesktopPane, JPanel, JPopupMenu, JProgressBar, JRootPane, JScrollbar, JScrollPane, JSeparator, JSlider, JSplitPane, JTabbedPane, JTable, JTableHeader, JToolBar, JToolTip, JTree, JViewport, JEditorPane, JTextPane, JTextArea, JTextField, JPasswordField, JButton, JMenuItem, JCheckBox, JMenu, JRadioButton, JMenuItem, JCheckBox, JRadioButton, JMenu.	10	15	Completed III	III
JULY	Introduction to servlets	Need for dynamic content, java servlet technology, why servlets? Servlet API and Lifecycle: servlet API, servletConfig interface, ServletRequest and ServletResponse Interfaces, GenericServlet Class. ServletInputStream And ServletOutputStream Classes,				

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TEACHING PLAN 2016-17**

SEMESTER:	V	SUBJECT: Advanced JAVA	COURSE:	IT		
NAME OF TEACHER:	Sandhya Thakkar		CLASS:	TYT		
MONTH	TOPIC	SUB-TOPIC	NO OF LECTURES PLANNED	TYT TAKEN	REMARKS	REVIEWED BY
		RequestDispatcher Interface,				
		HttpServlet Class,				
		HttpServletRequest and HttpServletResponse Interfaces,				
		HttpSession Interface,				
		Servlet Lifecycle.				
		Working with servlets:				
		organization of a web application,				
		creating a web application(using netbeans),				
		creating a servlet, compiling and building the web application				
AUGUST	JDBC	Design of JDBC,	10	17		
		JDBC configuration,				
		Executing SQL statement,				
		Query Execution,				
		Scrollable and updatable result sets, row sets, metadata, Transaction.				
		JSP: Introduction, disadvantages,				
		JSP v/s Servlets, Lifecycle of JSP, Comments,				
		JSP documents, JSP elements, Action elements, implicit objects,				
		scope, character quoting conventions, unified expression language.				
AUGUST	Java server Faces	Need of MVC, what is JSF?,	9	11		
		components of JSF, JSF as an application,				
		JSF lifecycle, JSF configuration,				
		JSF web applications (login form, JSF pages)				

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TEACHING PLAN 2016-17**

SEMESTER:	V	SUBJECT:	Advanced JAVA	COURSE:	IT	REMARKS		REVIEWED BY	
NAME OF TEACHER:	Sandhya Thakkar			CLASS:		NO. OF LECTURES		REMARKS	
MONTH	TOPIC	SUB-TOPIC	PLANNED	TYIT	TAKEN	REMARKS	REVIEWED BY		
	EJB	Enterprise bean architecture, Benefits of enterprise bean, types of beans, Accessing beans , packaging beans, creating web applications, creating enterprise bean, creating web client,							
		creating JSP file, building and running web application.							
SEPTEMBER	HIBERNATE	Introduction, Writing the application, application development approach, creating database and tables in MYSQL, creating a web application, Adding the required library files, creating a java bean class, creating hibernate configuration and mapping file, adding a mapping resource, creating JSPs.							
	STRUTS	Introduction, Struts framework core components, installing and setting up struts, getting started with struts.							

Subject Teacher: Sandhya Thakkar

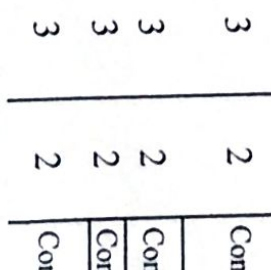
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TEACHING PLAN 2016-2017

SEMESTER:	V	SUBJECT: Advanced JAVA Practical	COURSE:		REMARKS	REVIEW ED BY
			CLASS:	TYIT		
NAME OF TEACHER:	Sandhya Thakkar					
MONTH	TOPIC	SUB-TOPIC	NO.OF LECTURES PLANNED	TAKEN		
JULY	Practical 1	1. Write a java program to present a set of choices for a user to select Stationary products and display the price of Product after Selection from the list.	3	2	Completed	
	Practical 2	2. Write a java program to demonstrate typical Editable Table, describing employee details for a software company.	3	2	Completed	
	Practical 3	3. Write a java program using Split pane to demonstrate a screen divided in two parts, one part contains the names of Planets and another Displays the image of planet. When user selects the planet name form Left screen, appropriate image of planet displayed in right screen.	3	2	Completed	
AUGUST	Practical 4	4. Develop Simple Servlet Question Answer Application to demonstrate use of HttpServletResponse and HttpServletRequest.	3	2	Completed	
	Practical 5	5. Develop Servlet Application of Basic Calculator (+, -, *, /, %) using ServletInputStream and ServletOutputStream.	3	2	Completed	
	Practical 6	6. Develop a JSP Application to accept Registration Details form user and Store it into the database table.	3	2	Completed	
	Practical 7	7. Develop a JSP Application to Authenticate User Login as per the registration details. If login success the forward user to Index Page otherwise show login failure Message.	3	2	Completed	
	Practical 8	8. Develop a web application to add items in the inventory using JSF	3	2	Completed	
	Practical 9	9. Develop a Room Reservation System Application Using	3	2	Completed	
	Practical 10	10. Develop a Hibernate application to store Feedback of Website Visitor in MySQL Database.	3	2	Completed	
SEPTEMBER						

OCTOBER	Practical 11	11. Develop a simple Struts Application to Demonstrate 3 page Website of Teaching Classes which passes values from every page to another.	3	2	Completed
	Practical	12. Develop a simple Struts Application to Demonstrate E-mail	3	2	Completed
TOTAL			36	26	

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TEACHING PLAN 2016-17

SEMESTER:	VI	Subject :Geographic Information System	COURSE:	CBS6G5
NAME OF TEACHER:	Mrs. Sandhya Pandey	CLASS:	T.Y.I.T.	

MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES		REMARKS	REVIEWED BY
			PLANNED	TAKEN		
November	Unit I	Spatial Data Concepts	10	8	Completed T.P.	
December	Unit II	Data Input and Geometric transformation	10	8		
December	Unit III	Attribute data input and data display	10	8		
January	Unit IV	Data exploration	10	8		
January	Unit V	Vector data analysis, Raster data analysis	10	8		
March	Unit VI	Spatial Interpolation	10	7		

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THE SIA COLLEGE OF HIGHER EDUCATION, DOMBIVLI (E)

TEACHING PLAN 2016-17

SEMESTER:	VI	SUBJECT: GIS(Practical)	COURSE:	Information Technology
NAME OF TEACHER:	Sandhya Pandey		CLASS:	T.Y. Bsc I.T.

Month	Practical No	Practical list	Planned	Taken	Remarks
December	1	Implement data in import and generation coordinate system basics.	3	3	<i>[Signature]</i>
	2	Generate data (points, line, polygons) and topology	3	3	
	3	Geo-referencing and image registration	3	3	
	4	Implement 3D layers (DEM, Contours, TIN, 3D model)	3	3	
	5	Querying GIS data	3	3	
February	6	Distance and decisions analysis (spatial, geo-statistics, network, hydrology, topology, 3D analysis, extract overlay	3	3	<i>[Signature]</i>
	7	3D visualizations	3	3	
	8	Cartography	3	3	
March					

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TEACHING PLAN 2016-2017

SEMESTER:	VI	SUBJECT: Data warehousing	COURSE:	IT		
NAME OF TEACHER:	Sandhya Thakkar		CLASS:	TYIT		
MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES PLANNED	TAKEN	Methodology	REVIEWED BY
		Introduction to Data Warehousing:				
		Introduction, Necessity, Framework of the datawarehouse, options, developing datawarehouses, end points.				
		Data Warehousing Design Consideration and Dimensional Modeling:				
		Defining Dimensional Model, Granularity of Facts, Additivity of Facts, Functional dependency of the Data, Helper Tables				
		Implementation manyto-many relationships between fact and dimensional modelling.				
December	Unit - I :		10	8	Practical with Theory	
		An Introduction to Oracle Warehouse Builder:				
		Installation of the database and OWB, About hardware and operating systems,				
		Installing Oracle database software, Configuring the listener, Creating the database,				
		Installing the OWB standalone software,				
		workspaces, Defining and Importing Source Data Structures:				
		source metadata,	10	9	Practical with theory and real time examples	
		Creating a project, Creating a module, Creating an Oracle Database module, Creating a SQL Server database module, Importing source metadata from a database,				
		Defining source metadata manually with the Data Object Editor, Importing source metadata from files.				
January	Unit II :					

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TEACHING PLAN 2016-2017**

SEMESTER:	VI	SUBJECT: Data warehousing	COURSE:	IT		
NAME OF TEACHER:	Sandhya Thakkar		CLASS:	TYIT		
MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES PLANNED	LECTURES TAKEN	Methodology	REVIEWED BY
February	Unit - III :	<p>Designing the Target Structure: Data warehouse design, Dimensional design, Cube and dimensions, Implementation of a dimensional model in a database, Relational implementation (star schema), Multidimensional implementation (OLAP), Designing the ACME data warehouse, Identifying the dimensions, Designing the cube, Data warehouse design in OWB, Creating a target user and module, Create a target user, Create a target module, OWB design objects.</p> <p>Creating the Target Structure in OWB: Creating dimensions in OWB, The Time dimension, Creating a Time dimension with the Time Dimension Wizard, The Product dimension, Product Attributes (attribute type), Product Levels, Product Hierarchy (highest to lowest), Creating the Product dimension with the New Dimension Wizard, The Store dimension, Store Attributes (attribute type), data type and size, and (Identifier), Store Levels, Store Hierarchy (highest to lowest), Creating the Store dimension with the New Dimension Wizard, Creating a cube in OWB, Creating a cube with the wizard, Using the Data Object Editor</p>	10	9	Practical and Theory with real practical examples	M

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TEACHING PLAN 2016-2017**

SEMESTER:	VI	SUBJECT: Data warehousing	COURSE:	IT		
NAME OF TEACHER:	Sandhya Thakkar		CLASS:	TYIT		
MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES PLANNED	LECTURES TAKEN	Methodology	REVIEWED BY

MARCH		Validating, Generating, Deploying, and Executing Objects:				
		Validating, Validating in the Design Center, Validating from the editors, Validating in the Data Object Editor, Validating in the Mapping Editor, Generating, Generating in the Design Center, Generating from the editors, Generating in the Data Object Editor, Generating in the Mapping Editor, Deploying, The Control Center Service, Deploying in the Design Center and Data Object Editor,	10	8	Practical and Theory with real practical examples	10
		The Control Center Manager, The Control Center Manager window overview, Deploying in the Control Center, Manager, Executing, Deploying and executing remaining objects, Deployment Order, Execution order.				
		Extra Features:				
MARCH	Unit - VI	Additional editing features, Metadata change management, Recycle Bin, Cut, copy, and paste, Snapshots, Metadata Loader (MDL), exports and imports, Synchronizing objects, Changes to tables, Changes to dimensional objects and auto-binding, Warehouse Builder online resources	PTO..		Practical and Theory with real practical examples	10

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TEACHING PLAN 2016-2017**

SEMESTER:	VI	SUBJECT: Data warehousing	COURSE:	IT	
NAME OF TEACHER:	Sandhya Thakkar		CLASS:	TYIT	<i>TS</i>
MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES PLANNED	LECTURES TAKEN	REVIEWED BY

MARCH	Unit - VI	Data warehousing and OLAP:			
		Defining OLAP, The Value of Multidimensional data, OLAP terminologies, Multidimensional architectures, Multidimensional views of relational data, Physical Multidimensional databases, Data Explosion, Integrated relational OLAP, Data sparsity and data explosion.	10	8	Practical and Theory with real practical examples
TOTAL			60		

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TEACHING PLAN 2016-2017

SEMESTER:	NAME OF TEACHER:	MONTH	TOPIC	SUB-TOPIC	COURSE:		REMARKS	REVIEW ED BY										
					CLASS:	TY/T												
VJ	Sandhya Thakkar																	
					PLANNED	TAKEN												
JULY	Practical 1	1. Importing the source data structures in Oracle.		3	2	Completed												
		Practical 2	2. Design the target data structure using Oracle		3	2	Completed											
			Practical 3	3. Create the target structure in OWB (Oracle Web Builder)		3	2	Completed										
				Practical 4	4. Designed and build the ETL mapping		3	2	Completed									
					AUGUST	Practical 5	5. Perform the ETL process and transform it to data marts.		3	2	Completed							
							Practical 6	6. Create the cube and process it in OWB.		3	2	Completed						
								SEPTEMBER	Practical 7	7. Generate the different types of reports in using Oracle.		3	2	Completed				
										Practical 8	8. Perform the deployment of Warehouse		3	2	Completed			
											Practical 9	9. Create the Pivot table and Pivot chart using some existing data or		3	2	Completed		
												OCTOBER	Practical 10	10. Import the cube in access and create Pivot table and chart.		3	2	Completed
TOTAL														30	20			

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TEACHING PLAN 2016-17

SEMESTER:	VI	SUBJECT: Project Management	COURSE:	IT
NAME OF TEACHER:	MRS. Vandana Jadhav		CLASS:	TYIT

MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES		REMARKS	REVIEWED BY
			PLANNED	TAKEN		
November	Unit 1: Introduction	Conventional Software Management: The waterfall model, conventional pragmatic software cost estimation.	4	4		M
	Unit 1: Introduction	Improving Software Economics: Reducing Software product size, improving software processes, improving team effectiveness, software	10	8		
December	Unit 2:	Engineering, principles of modern software management, transitioning to an iterative process. Life cycle phases: Engineering and artifacts, Engineering artifacts, programmatic artifacts.				M
	Unit 2:	Iteration workflows. Checkpoints of the process: Major mile stones, Minor Milestones, Periodic status assessments.	10	9		
	Unit 3:	Iterative Process Planning: Work breakdown structures, planning guidelines, Project Organizations and Responsibilities: Line-of-Business Organizations, Project Organizations, evolution of Organizations.				
January	Unit 4:	Project Organizations, evolution of Organizations.				M
	Unit 5:	core Metrics, Management indicators, quality indicators, life cycle expectations, pragmatic	11	10		
February						

March	Unit 5:	Metrics, Metrics automation. Tailoring the Process: Process discriminants Future Software Project Management: Modern Project Profiles, Next	10	09		III
	Unit 6:					

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DOMBIVLI (E)



THE SIA COLLEGE OF HIGHER EDUCATION, DOMBIVLI(E)

TEACHING PLAN 2016-17

SEMESTER:	VI	SUBJECT: INTERNET TECHNOLOGY	COURSE:	IT
NAME OF TEACHER:		MRS.S.SAI SREE	CLASS:	TYIT

MONTH	TOPIC	SUB-TOPIC	NO. OF LECTURES		REMARKS	REVIEWED BY
			PLANNED	TAKEN		
November	Unit 1: Introduction	OSI Model, TCP/IP Protocol Suite	8	8	✓	
	Unit 1: Introduction	IPV 4 Addresses and Protocol and IPV6 Addresses and Protocol	8	8		
December	Unit 2:	Address Resolution Protocol (ARP), Internet Control Message Protocol Version 4 (ICMPv4)	8	8	✓	MS
	Unit 2:	Mobile IP, Unicast Routing Protocols (RIP, OSPF and BGP)	8	8		
January	Unit 3:	User Datagram Protocol (UDP)	8	8	✓	
	Unit 4:	Stream Control Transmission Protocol (SCTP), Host Configuration: DHCP, Domain Name System (DNS)	8	8		
February	Unit 5:	Remote Login: TELNET and SSH	8	8	✓	
	Unit 5:	File Transfer: FTP and TFTP ; World Wide Web and HTTP, Electronic Mail: SMTP, POP, IMAP and MIME, Multimedia	8	8		
March	Unit 6:		8	8	✓	

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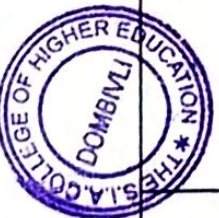
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THE SIA COLLEGE OF HIGHER EDUCATION, DOMBIVLI(E)
TEACHING PLAN 2016-17

SEMESTER:	VI	COURSE:	IT	
	NAME OF TEACHER:		MRS.S.SAI SREE	CLASS:
MONTH	SUBJECT: INTERNET TECHNOLOGY	PROGRAM	NO. OF SESSIONS	
			PLANNED	TAKEN
December	1. IPv4 Addressing and Subnetting a. Given an IP address and network mask, determine other information about the IP address such as: • Network address • Network broadcast address • Total number of host bits • Number of hosts b. Given an IP address, network mask, and subnet mask, determine other information about the IP address such as: • The subnet address of this subnet • The broadcast address of this subnet • The range of host addresses for this subnet • The maximum number of subnets for this subnet mask • The number of hosts for each subnet • The number of subnet bits • The number of this subnet		4	4
January	2. Use of ping and tracer / traceroute and arp utilities. 3. Configure IP static routing. 4. Configure IP routing using RIP		5	6
February	5. Configuring OSPF. 6. Configuring UDP and TCP 7. Run different STCP commands		4	4
March	8. Configure DHCP and DNS. 9. Configure FTP and HTTP. Run Telnet and SSH 10. Configure SMTP, POP3, IMAP and MIME.		4	4

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The SIA College of Higher Education, Dombivli (East)

TEACHING PLAN 2016-2017

Term / Semester : I Course : B&I
 Name of the Teacher : Mahesh.G.Kandalkar
 Subject : Financial Accounting Class : FYBI

Month	Topic	Sub-Topic	No. of Lectures		Remarks	Reviewed By
			Planned	Taken		
July	Capital, Revenue, Deferred	meaning, features	12	08		
	Revenue expenses	problems				
	Issue of shares	journal entries, problems				
	Stock valuation	theory, problems				
	Accounting transactions	problems on journal			Completed	
August	Trial Balance	Problems	16	12		
	Subsidiary books	cashbook, petty cash book				
	Accounting standards	Theory				
September	Hire purchase	Journal entries, problems	12	10		
	Journal, Ledger					
	Final A/c	Problems				
	Errors and rectification					
	BRS					
Total			40	30		

Faculty 

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Dombivli (E)

P.NO.

TEACHING PLAN 2016-2017

Term / Semester : I

Course

B&I

Name of the Teacher : Babita Nagdev

Class

FY B&I

Subject : EVMFS

Month	Topic	Sub-Topic	No. of Lectures		Remarks	Reviewed By
			Planned	Taken		
July	Financial system	Institutional set-up	2	02	Completed	(Signature)
		Marketing Structure	1	02		
		Instruments	1	01		
		Leasing, Hire purchase, Factoring, Forefating, Letter of Credit, Insurance, Venture Capital, Merchant Banking, Stock Broking and Credit Rating.	8	08		
August	Banking and Insurance	Meanig, Defination and scope	3	02		
		Significance and Role of Banking and Insurance in mobilizing savings, investment, accumulation and economic growth.	8	08		
		Funcinns and working ob Banking and Insurance	4	04		



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2016-17

P.NO.

TEACHING PLAN 2016-2017

Term / Semester : I

Course


B&I

Name of the Teacher : RENU VERMA

Class

FYBI

Subject : PRINCIPLES OF MANAGEMENT

Month	Topic	Sub-Topic	No. of Lectures		Remarks	Reviewed By
			planned	Taken		
July-16	Introduction to management	Definition of Management Management as a Profession Traditional Vs Contemporary Management (Henry Fayol, F. W. Taylor, Peter Drucker) (C.K.Pralhad,	9	7		
June-july 2016	Management process	Management Process, Practices, Functions of Management related to Banking and Insurance companies	12	7	Completed	
July-aug 2016	Organization Structure of Banking and Insurance companies	Organization Structure of Banking and Insurance companies over all view	9	10		



Sept-16	Business leaders	Leaders in the Indian Industry (J.R.D Tata, Ratan Tata, Aditya Birla, Kumar Mangalam Birla, Mr. Dhirubhai Ambani and Sons, Kiran Mazumdar Shaw, Varohese Kurien)	3	05		
Aug		Leaders in the Banking and Insurance Industry	2	05		
Aug		Indian Leaders	6	06		
Aug-sep		(Banking & Insurance: H. Shanbagh. Uday Kotak, K.V. Kamath Naina Kidwai, Deepak Parekh, Chanda Kochhar, Hinduja, Indian Leaders (Banking & Insurance: H. Shanbagh. Uday Kotak, K.V. Kamath Naina Kidwai, Deepak Parekh, Chanda Kochhar, Hinduja, Godrej, Aziz Premzi, Narayan Murthy, Anand Mahindra , International Leader	4		Completed	mg
		President of World bank, President of Asian Development Bank, President of Fed Reserve, President of International Monetary Fund	45	40		

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TEACHING PLAN 2016-17

Department:

BI

Term/Se I semester

Name of the lecturer: Lynette Rebello

Subject: Quantitative Methods I

Class : Fy BI

Month	Topic	Sub - Topic	No of Lectures		Remarks	Reviewed By
			Planned	Taken		
	Introduction to Statistics	Functions, Limitations, Scope				
	Data	Types of data, primary secondary	10	15		
July	Presentation of Data	Frequency distributions, discret and continuous, tabulation, graph and diagrams(histogram, frequency, simple, multiple bar)				
	Central tendency	Mean, median, mode calculation and graphical representations, Geometric mean and Harmonic Mean				
	Measures of Dispersion	Range, quartile deviation, mean deviation from mean				
August		Median and Mode, Standard Deviation	16	14		
	Correlation	Karl pearsons, spearman's rank correlation				
	Linear Regression	Relation with Correlation, Fitting of Straight Line				
		Least square Method				
	Index Numbers	Aggregate and Relative Method of constructing Index Nos				
		Chain based I.No, Time Reversal Test,				
	Probability	Sample space, events, addition, multiplication				
Sept		conditional, baye's theorem, expectation and variance	12	13		

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TEACHING PLAN 2016-2017

P.NO.

Term / Semester : I
 Name of the Teacher Prof. Suchitra Gnadh
 Subject: BC

Course B1
 Class FYBI

Month	Topic	Sub-Topic	No. of Lectures		Remarks	Reviewed By
			Planned	Taken		
July	Theory of Communication	<p>Concept of Communication: Meaning, Definition, Process, Need, Feedback Emergence of Communication as a key concept in the Corporate and Global world Impact of technological advancements on Communication</p> <p>Channels and Objectives of Communication: Channels- Formal and Informal- Vertical, Horizontal, Diagonal, Grapevine</p> <p>Objectives of Communication: Information, Advice, Order and Instruction, Persuasion, Motivation, Education, Warning, and Boosting the Morale of Employees (A brief introduction to these objectives to be given)</p> <p>Methods and Modes of Communication: Methods: Verbal and Nonverbal, Characteristics of Verbal Communication Characteristics of Non-verbal Communication, Business Etiquette</p> <p>Modes: Telephone and SMS Communication 3 (General introduction to Telegram to be given) Facsimile Communication [Fax]</p> Computers and E-communication Video and Satellite Conferencing	10	08	Completed	Prof. Suchitra
August			22	18		



	Language and Writing Skills	<p>Commercial Terms used in Business Communication</p> <p>Paragraph Writing: Developing an idea, using appropriate linking devices, etc</p> <p>Cohesion and Coherence, self-editing, etc [Interpretation of technical data, Composition on a given situation, a short informal report etc.]</p> <p>Activities</p> <ul style="list-style-type: none"> <input type="checkbox"/> Listening Comprehension <input type="checkbox"/> Remedial Teaching <input type="checkbox"/> Speaking Skills: Presenting a News Item, Dialogue and Speeches <input type="checkbox"/> Paragraph Writing: Preparation of the first draft, Revision and Self – Editing, Rules of spelling. <input type="checkbox"/> Reading Comprehension: Analysis of texts from the fields of Commerce and Management 	04		Completed	
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Faculty SA

Co-ordinator (Signature)

- Principal (Signature)



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TEACHING PLAN 2016-2017

Term / Semester	I sem	Course:	B&I			
Name of the Teacher	Vani Mudaliar					
Subject :	Business Economics I	Class:	FYB&I			
Month	Topic	Sub-Topic	planned	taken	Remarks	Reviewed By
July	Module 1					
	Introduction	Scope and importance of business economics				
		Basic tools ,	12			
		Opportunity cost Principle		11		
		Incremental and Marginal concepts				
		Basis econimes				
		functions euation				
		Total , Avengers and Marinal relation				
		Use of Marignal analysis is decision making				
		The Basics of market demand , market supply and equilibrium price				
		shifts in the demand and supply curve and equilibriums				
	Module 2					
	Demand Analysis	Demand function				
		determinants of demand				
		concepts and importance of				
		Elasticity of demand : Income, Cross and Promotional	19	17		
August		demand forecasting : Meaning, significance and methods				

Completed

(Signature)



		case study				
	Module 3	Production function: short run and long run				
	supply and production	Law of variable proportion				
		Isoquants				
		Producers equilibrium				
		Law returns to scale				
		economics of scale				
September		Accountion cost and economics cost, implicit and explicit, social and private cost, historial cost, replacement cost, sunk cost and incremental cost fixed and variable cost,				
		Total revenue, Average revenue and margina revenue.				
	cost of production	Revenue under perfect compition and monopoly				
		Relationship in the short run and long run				
		cost reduction through experience LAC and learning Curve				
		Break even analysis				Completed
		case study				
	Module IV: Market	Features of Perfect competition				
	pricing practice	Monopoly				
		oligoploy				
		Equilibrium of afirm and industry under perfect competition and monopoly in the shortrun and long run				
		Price indertermnateness				

11

05

Completed

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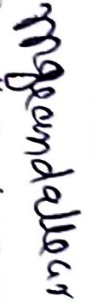
Completed

msb



	Dumping , Marginal cost pricing , Multiple product pricing						
	pricing practice	Cost oriented methods					
		TD Fair		42	33		

Faculty signature: 

Co-ordinator signature: 

Principal signature: 

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Completed

THE SIA COLLEGE OF HIGHER EDUCATION

Dombivli (E)

P.NO.

TEACHING PLAN 2014-2015 2016-17

Term / Semester : III

Course BI

Name of the Teacher: Prof. Neelima Kamat

Subject : Laws relating to B/I

Class SYBI

Month	Topic	Sub-Topic	No. of Lectures		Remarks	Reviewed By
			Planned	Taken		
June	Indian Stamp Act	Principles of charging duty, methods of payment consequences if not duly stamped, penalty	2	2		
	Registration Act	Registration compulsory/optional	2	2		
		Effect of non-registration	2	2		
		Defn, Registration, renewal, capital structure, nomination	4	4		
July	Insurance Act	Reg. of agents, re-insurance	2	2		
		Duties & Obligations of re-insurer, problemQs.	2	2		
		Duties, role, functions, advisory committee	4	4		
	IRDA Act	Investigation, inspection, insurance advt. disclosure, code of conduct	3	3		
		Appointment, powers/duties, TPA	4	4		
	Actuary	contents of policy surveyor/ loss assessor, meetings	4	4		
		Defn, objectives, redressal machinery	4	4		
August	C P Act		4	4		

Completed

(Signature)



The SIA College of Higher Education, Dombivli (East)

TEACHING PLAN 2016-2017

Term / Semester : _____ Course : B&I
 Name of the Teacher : Mahesh . S. Kandalkar
 Subject : Financial Management I Class SYB&I

Month	Topic	No. of Lectures		Remarks	Reviewed By
		Planned	Taken		
June	overview of Financial Management	14	12		<u>Mahesh</u>
July	Tools of financial Analysis	16	11	<u>completed</u>	
August	Cash Budget	18	16		
	Sources of Finance	48	39		

Faculty Mahesh
 Co-ordinator Mahesh

Principal Mahesh

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P.NO.

2016-17

TEACHING PLAN 2016-2017

Term / Semester : III

Course _____

B&I _____

Name of the Teacher : RENU VERMA

Class _____

SYBI _____

Subject : CRM

Month	Topic	Sub-Topic	No. of Lectures		Remarks	Reviewed By
			Planned	Taken		
Jun-16	Introduction to CRM	Introduction to CRM- meaning and definition purpose -significance - factors responsible for the growth of CRM	1	02		
		winning market through CRM- advantages and limitations of CRM	2	02		
		Relationship marketing- concept -purpose	1	01		
		value creation in business	1	01		
		measuring the effectiveness of relationship marketing	2	02		
		CRM cycle and process	2	02		
Jun-16	CRM - emerging dimensions	customer retention management -reasons - need customer retention strategies	2	02		
		level of retention strategy	2	01		
Jul-16		recall management	3	02		
Jul-16	CRM -cost benefit analysis	CRM benefits	3	02		



		CRM costs	3	02		
		building customer loyalty in business to business	3	02		
		customer centric organisational structure	3	02		
		Customer care				
Aug-16	Customer management	customer care management	2	02		
		customer service representative	2	02		
		customer service applications	2	02		
		customer facilities	2	02		
		multi media contact centre	2	02		
		electronic point of sale	2	02		
		winning strategies and process for effective CRM	3	02		
sep		banking and insurance	2	04		
			49	45		

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TEACHING PLAN 2016-2017

Term / Semester : III Course B&I
 Name of the Teacher : Babita Nagdev
 Subject : Organization Behaviour Class SYB&I

Month	Topic	Sub-Topic	No. of Lectures		Remarks	Reviewed By
			Planned	Taken		
June	INTRODUCTION TO OB	Meaning, Nature and scope of OB, Models of OB	4	03		
		THEORIES OF MOTIVATION • Maslow, Herzberg, Mc.Gregor Theory X and Theory Y, William Ouchi's Theory Z, Victor Vroom. ERG theory	6	06	Completed	
		Application of theories, Motivation Techniques in Banking and Insurance	6	05		
July	GROUP DYNAMICS	Individual Behavior (IQ, EQ, SQ) • Group Formation, Team Building, Team Development.	5	05	Completed	
		Goal Setting • Soft Skills, Interpersonal Skills, Multicultural Skills, Cross Cultural Skills	7	05		
		Johari Window	2	02		



August	ORGANIZATIONAL CULTURE AND CHANGE MANAGEMENT	Work Culture, Ways for Making Work Culture Effective and Lively, Work Conflicts.	4	04		
		Organizational Change, effects of Resistance to Change, ways to overcome resistance to change.	4	04	Completed	(Signature)
		Time and Stress Management	2	02		
		Meaning and Nature of OD.	2	02		
		Techniques of OD	3	02		
September		Importance of OD	3	03		
	Total		48	43		

Convenor: Megham dallas

Subject Teacher: (Signature)

Principal: (Signature)



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TEACHING PLAN 2016-17

SEMESTER : III
NAME OF THE TEACHER : Mrs. Ranjana Mhalgi
SUBJECT: MANAGEMENT ACCOUNTING

COURSE: BANKING & INSURANCE
CLASS: S Y B & I

MONTH	UNIT/ MODULE	TOPIC	SUB-TOPIC	NO OF LECTURES		REMARKS	REVIEWED BY
				PLANNED	TAKEN		
JUNE	1	OVERVIEW OF MGMT A/C	Meaning,scope,obj,diff functions, types ofcosts	5	04		
			Classification of costs	3	02		
			MIS-meaning,need,	3	02		
			Characteristics,problems				
			Types of reports	2	01	Completed	
JULY	2	INTERPRETATION OF FINANCIAL STATEMENTS	Notes to accounts, Directors reports, Auditors report, Cost Audit	4	03		
				3	02		
				3	02		
				4	03		
AUG	3	MARGINAL COSTING MARGINAL &	Meaning ,concept adv,disadv,CVP analysis	2	02		



		ABSORPTION	Breakeven analysis	2	02		
		COSTING	Practical problems	6	06		
	4	MANAGERIAL	Practical problems on	6	05	completed	18/11
		DECISION MAKING	Product mix, make or				
			buy, accept or reject				
			export orders,				
			TOTAL	46	36		

Sept Extra lectures

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**The SIA College of Higher Education, Dombivli (East)
TEACHING PLAN 2016-2017**

Term / Semester : _____

III

Course _____

B&I _____

Name of the Teacher : _____

Mahesh.G.Kandalkar

Subject Taxation of Financial services

Class _____

SYBI _____

Month	Topic	Sub-Topic	No. of Lectures		Remarks	Reviewed By
			Planned	Taken		
June	Basic concepts	Assessment, A. Y. J. P. Y	13	08		
		Person, Assessee				
		Residential status of Individual				
		Conditions, scope of income				
		Income from house property				
July	Income from Salary	Theory & Practical	15	09		
		Income from other sources				
		Dividen, dInterest, lottery income, winning from race				
		Longterm gain, short term gain				
		Income from Business & prof.				
		Theory & Practical				
		Deductions				
		80A, 80C, 80CCC, 80D, 80DD, 80E, 80U, 80TTA,				
		Computation of Total Income				
		Practical problems				
		Provision for TDS				
		Basic concepts-taxable service				
		Provision regarding specific service				
August			17	18		
		Total	45	35		

Faculty *Mahesh Kandalkar*

Convener *Mahesh Kandalkar*

Principal *[Signature]*

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TEACHING PLAN 2016-2017

Term / Semester : VTH

Course

B&I

Name of BOOMA V HALPETH

Subject Marketing In Banking and Insurance

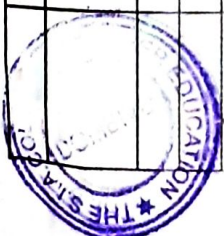
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TYB&I

Month	Topic	Sub-Topic	No. of Lectures	Planned	Taken	Remarks	Reviewed By
June	Introduction to Goods Marketing and Services Marketing	classification of services	2				
		Scope, features and benefits of marketing	2		06		
		Marketing Mix and its elements, importance	1				
July		Services Marketing mix	1				
		7 P's of Marketing Mix	2				
		7 P's of Services Marketing Mix	3				
		Importance of Marketing Mix elements	2				
		Marketing of Banking and Insurance Products					
		Services Marketing mix strategies for Banking and Insurance	3				
	Channel of Marketing and	Channel of Marketing	2				
August	Marketing Research	Marketing Research- Meaning and importance	3				
		Process of Marketing Research, Types of Marketing Research	4				
		Marketing Logistics	3				

Completed

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	Consumer in Services Marketing	Consumer Stimulus	Buying Behaviour- Meaning and					
		Response Model	Decision making and importance of performance services	2				
	Managing service quality	Service Quality Model (CAPS Model)		2		19		
		Managing Service Gaps		3				
		Major trends in Product Support Service		2				
Sept	Advertising and Branding of Services	Role of Advertisement in Service Marketing						
		Determining Communication Objectives						
		Factors in setting Marketing Communication Mix						
		Web Marketing, Rural Marketing, Social Marketing		5				
		Post Sales Services Strategies						
	Recent trends and Challenges in Marketing	Ethics in Marketing						
		Major Trends in Consumer Services						
		Marketing in 21st Century		6				
		Marketing through Social Networking Channels						
				50				

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TEACHING PLAN 2016-2017


P.NO.

Term / Semester : V
 Name of the Teacher : Prof. Hasitkumar. Nagariya.
 Subject: International Banking and Finance

Course BI
 Class TYBI

Month	Topic	Sub-Topic	No. of Lectures Planned	Lectures Taken	Remarks	Reviewed By
June	Evolution of International Banking	Fundamentals of International Banking A Functional overview-International Payment Systems, Banking for Financing of Exports and Imports of Goods and services	4	4		
	International Banking	Financial Market Flows beyond National Boundaries, Interest Rate Differentials between Markets and their role in impacting demand for and supply of funds across borders	4	4		
	International Capital Market	Debt flows and Equity Flows and role of International Banks in same, Volatile flows and stable flows	4	3		
July	Offshoring Bank Centers	Role in International Financing, Introduction to Global Balance Sheet of Banks, Asset and Liability Management of Banks	4	3	Completed.	
	International Lending Operations	Policies and Practices, Transaction Cost and risks in International Lending	2	2		
		Role of LIBOR, Loans to Foreign Corporations, Syndicated Loans	2	2		
		Financing Foreign Governments, Issues of Information symmetries and adverse selection	4	2		
		Regulatory and supervisory aspects, Trends in International Banking in India	4	2		
August	Eurocurrency Markets	Role of International Banks in the same	5	6		
	Foreign Exchange Risks	The exchange rate swings, swings in currency and interest rate derivatives and their impact on Net worth of Banks	10	5		



September	Country Risk Analysis	Perception of International Rating Agencies, Issues related to International Financial Architecture	4	4	Completed	
	International Financial Stability	Role of Banks and Central Banks in Financial Stability	4	4		
			56	44		

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2016-17

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P.NO.

TEACHING PLAN 2016-2017

Term / Semester : V

Course

B&I

Name of the Teacher : RENU VERMA

Class

TYBI

Subject : FINANCIAL SERVICES MANAGEMENT

Month	Topic	sub topic	No. of Lectures		Remarks	Reviewed By
			Planned	Taken		
	UNIT 1					
Jun-16	Financial services	meaning-classification -scope -fundbased activities-non fund based activities -modern activities-sources of revenue-causes for financial innovation - new financial products and services- innovative financial instrument- challenges facing the financial sector saving mobilization	8	07		
Jun-16	Merchant banking	definition-origin-merchant banking in India - merchant banks and commercial banks - services of merchant banks - progress of merchant banking in India -problems -scope of merchant banking in India	8	06	Completed	
Jul-16	Leasing and hire purchase	definition-steps in lease transaction-types of lease - sales and lease back - cross border lease - advantages and disadvantages of lease - structure of leasing industry- hire purchase and credit sale -hire purchase and installment sale - hire purchase and leasing	5	03		
	UNIT 2					



Jul-16	Mutual fund	Introduction to Mutual fund- structure of mutual fund in india - classification of mutual fund- AMFI objectives- advantages of mutual fund -NAV calculation and pricing of mutual fund- mutual fund abroad - mutual fund in India - reasons for slow growth of mutual fund -future of mutual fund industry	5	03	} Completed right	
Jul-16	Factoring and Forfeiting	Factoring - meaning - modus operandi- terms and condition- functions - types of factoring- factoring v/s discounting- cost of factoring- benefits - factoring in India - international factoring- definition- types of export factoring - factoring in other countries - EDI factoring - factoring v/s forfeiting - working of forfeiting- cost of forfeiting - benefits of forfeiting- drawback- forfeiting in India	6	06		} Completed right
	UNIT 3					
Aug-16	Securitisisation of debt	definition - securitisation v/s factoring - modus operandi- role of merchant banker - role of merchant banker- role of other parties - structure of securitisation - securitisable asset- benefits of securitisation - condition for successful securitisation - future prospect of securitisation	6	04	} Completed right	
Aug-16	Derivatives	Meaning - types of financial derivatives - options - futures - forwards - swaps - futures and option trading system - clearing entities and their role	6	04		



Sep-16	Credit rating	Definition and meaning - functions - origin - credit rating in India - benefits - CRISIL-ICRA-CARE - limitations and future	4				
Sep-16	Treasury management	Introduction - scope-objectives-functions - treasury management in banks and corporate cost centre V/S profit centre treasury - centralised V/s decentralised	4	04			
Sep-16	Depositories and pledge	overview - features - bank analogy- legal framework- eligibility criteria for depository- agreement between depository and issuer - rights and obligations - records to be maintained - services- functions of NSDL- pledge and hypothecation - procedure - closure - invocation	4	10			
			56				

[Signature]
Faculty

[Signature]
Convener



[Signature]
Principal
PRINCIPAL
The S.I.A. College of Higher Education
DOMBIVLI (E)

[Handwritten notes]
Completed
Mgm

THE SIA COLLEGE OF HIGHER EDUCATION
Dombivli (E)

P.N.O.

TEACHING PLAN 2016-2017

Term / Semester : V

Course

B&I

Name of the Teacher : Prof. Salochna Nagdev

Subject : Security Analysis and Portfolio Management

Class

T.Y.B&I

Month	Topic	Sub-Topic	No. of Lectures		Remarks	Reviewed By
			Planned	Taken		
June						
	Introduction to Investment Analysis and Portfolio Management					
Unit I						
	a) An Overview	Meaning, Investment versus Speculation, Objectives of investment, Meaning of Portfolio Management, Process, Approaches to Investment decision making	4	3	Completed.	(Signature)
	b) Investment Alternatives	Non-Marketable financial Assets, Money Market Instruments, Fixed income securities, Equity shares, Mutual fund schemes, Life Insurance, Real Estate	4	3		



Unit II	a) Time Value of Money	Meaning, Future value of single cash flow, Present value of single cash flow, Future value of annuity, Present value of Annuity, NPV for even and uneven cash flow	4	4	Completed	S
	b) Analysis and valuation of Debt	Types and futures of Debt Instruments, Problems on valuation of Debentures : Redeemable and Irredeemable.	2	2		
July						
Unit II	b) Analysis and valuation of Debt	Calculation of YTM, Rating of Debt Instruments.	2	2	Completed	S
		Balance Sheet Valuation, Dividend discount Model, Earning Multiplier Approach	5	5		
	c) Equity Valuation	Meaning of Risk, Types of Risk, Measures of Risk, Problems on Standard deviation and Holding period return.	6	6		
	d) Risk and Return					
Unit I	Introduction to Securities Market	Primary and Secondary market, Introduction to BSE and NSE, process of buying and selling shares, Government Securities Market, Corporate Debt Market, Money Market	5	5	Completed	S
August						



The SIA College of Higher Education, Dombivli (East)
TEACHING PLAN 2016-2017

Term / Semester : _____

V

Course

B&I

Name of the Teacher : _____

Mahesh.G.Kandalkar

Subject : Auditing

Class

TYBI

Month	Topic	Sub-Topic	No. of Lectures		Remarks	Reviewed By
			Planned	Taken		
June	Audit of Ltd.co.	h				
		appt,removal,audit ceiling				
		power,duties,liabilities	16	16		
		meaning,obj,classification				
		internal control,internal check,cost audit,mgmt audit				
July	Introduction to auditing	audit planning				
		vouching & verification of assets & liabilities,taxaudit, basicprinciples,audit in EDP	16	12	Completed	
		Env.				
		Branch audit, joint audit,				
		Related party diel. seg report, divisible profit				
		dep.rep by mgmt				
		Long form audit report				
		social audit, Env't. audit				
		Audit of B&I Co.				
August	Audit of B&I Co.	Bank-legislation relevant to bank audit, NPA, Insurance	12	9	part completed	
		review of internal control				
		Audit report(as per IRDA)				
		Sebi, RBI, IRDA, CAG				



Sept.	Other thrust areas	Ethics in auditing, auditing in	06	06		
		CIS Envt, auditing stds			Completed	
		professional liability, role of auditor, audit committee				
Total			50	43		

Faculty


Convener


Principal




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 The S.I.A. College of Higher Education
 DOMBIVLI (E)

TEACHING PLAN 2016-17

TERM/SEMESTER : V

COURSE: BANKING & INSURANCE

NAME OF THE TEACHER : Mrs. Ranjana Mhalgi

CLASS: TY B & I

SUBJECT: FINANCIAL REPORTING & ANALYSIS

MONTH	UNIT/ MODULE	TOPIC	SUB-TOPIC	NO OF LECTURES		REMARKS	REVIEWED BY
				PLANNED	TAKEN		
JUNE	1	BANK FINAL	Preparation & presentation of P&L A/C & B/S of bank in accordance with B R ACT.	2	01		
			Study of accounting policies	2	01		
			Practical problems	12	12		
JULY	3	COMPANY FINAL	Preparation & presentation of Corporate Final A/C in accordance with Revised Sch VI of Companies Act, 1956, Schedules of P&L A/C & B/S.	3	02		
		A/C	Practical problems	10	10		



