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Class: I B.Sc.,	**Year: I**	**Semester: I**	**Paper:** Computer Fundamentals and Photoshop	**Name of the Lecturers:** G.Sowjanya, PPS Lakshmi, A.Naga lakshmi

Month & Week	**Hours available**	**Syllabus Topic**	**Additional Inputs / Value Additions**	**Curricular Activity**				**Co-Curricular Activity**			
				Activity	**Hours Allotted**	**Whether Conducted**	**If not Alternate Date**	**Activity**	**Hours Allotted**	**Whether Conducted**	**If not Alternate Date**
July	06	Introduction to computers: Characteristics and limitations of computer Block diagram of computer, types of computers, uses of computers, computer generations.		Teaching	05	Yes		Assignment	01	Yes	
August	16	Number systems: working with binary, octal, decimal and Hexa decimal numbering system. Input and Output Devices, Types of Software, Memories, Windows basics		Teaching	14	Yes		Assignment	02	Yes	
September	14	Introduction to Adobe Photoshop; Images in Photoshop		Teaching	13	Yes		Assignment	01	Yes	
October	12	Working with tool box, Layers in Photoshop Filters, Menus in Photoshop	Menus in Photoshop	Teaching	11	Yes		Assignment	01	Yes	

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Class: I B.Sc.,	Year: I	Semester: II	Paper: II - Programming in "C"	Name of the Lecturers: G.Sowjanya, P.P.S lakshmi, A.Naga Lakshmi

Month & Week	Hours available	Syllabus Topic	Additional Inputs / Value Additions	Curricular Activity				Co-Curricular Activity			
				Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
December	14	Introduction to Algorithms and Programming Languages; Introduction to C language		Teaching	13	Yes		Assignment	01	Yes	
January	12	**Decision Control and Looping Statements:** Introduction to Decision Control Statements- Conditional Branching Statements- Iterative Statements- Nested Loops- Break and Continue Statement- Go to Statement. **FUNCTIONS**: Introduction- Using Functions- Function Declaration/Prototype-Function definition- Function Call- Return Statement- Passing Parameters- Scope of Variables-Storage Classes- Recursive Functions- Types of Recursion- Recursion vs. Iteration.		Teaching	11	Yes		Assignment	01	Yes	
February	16	Arrays, Strings: Introduction- Suppressive Input- String Taxonomy- String Operations- Miscellaneous String and Character functions.		Teaching	15	Yes		Assignment	01	Yes	
March	08	Pointers, Structures, Unions, Enumerated data Types, files		Teaching	07	Yes		Assignment	01	Yes	

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Class: II B.Sc.,	Year: II	Semester: III	Paper: III - OOP's through Java	Name of the Lecturers: Ch.S.V.Ravi Kumar

Month & Week	Hours available	Syllabus Topic	Additional Inputs / Value Additions	Curricular Activity				Co-Curricular Activity			
				Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
June	08	Fundamentals of Object – Oriented Programming	Bridge Course, Difference between C, C++ and Java	Teaching	07	Yes		Assignment	01	Yes	
July	11	Overview of Java Language, Constants, Variables & Data Types, Operators and Expressions, Decision Making & Branching, Decision Making & Looping		Teaching	10	Yes		Assignment	01	Yes	
August	11	Classes, Objects & Methods, Inheritance, Arrays, Strings And Vectors. Interfaces	Inheritance and types of inheritances	Teaching	10	Yes		Assignment	01	Yes	
September	18	Multi Threaded Programming, Managing Errors And Exceptions		Teaching	17	Yes		Assignment	01	Yes	
October	06	Applet Programming, Packages	1. Difference between Applets and Applications 2. Display state designing web page, adding applet to HTML file, running the Applet. 3. Adding class to a package, Hiding classes, static Import.	Teaching	05	Yes		Assignment	01	Yes	

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Class: II B.Sc.,	Year: II	Semester: IV	Paper: V- Data Structures	Name of the Lecturers: Ch.S.V.Ravi Kumar

Month & Week	Hours available	Syllabus Topic	Additional Inputs / Value Additions	Curricular Activity				Co-Curricular Activity			
				Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
December	18	Sorting and Searching, Concept of Abstract Data Types (ADTs), Linear Lists, Arrays		Teaching	17	Yes		Assignment	01	Yes	
January	17	**Stacks**: Definition, ADT, Array and Linked representations, Implementations and Applications **Queues**: Definition, ADT, Array and Linked representations, Circular Queues, Dequeues, Priority Queues.		Teaching	16	Yes		Assignment	01	Yes	
February	16	**Trees:** Binary Tree, Definition, Tree Terminology, Traversing the Tree, finding Maximum and Minimum values Properties, ADT, Array and Linked representations, Implementations and Applications. Binary Search Trees (BST) – Definition, ADT, Operations and Implementations, BST Applications. Threaded Binary Trees, Heap trees;		Teaching	14	Yes		Assignment	02	Yes	
March	11	**Graphs** – Graph and its Representation, Graph Traversals, Connected Components, Basic Searching Techniques, Minimal Spanning Trees		Teaching	10	Yes		Assignment	01	Yes	

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Class: **III B.Sc.,**	Year: **III**	Semester: **V**	Paper: V- DBMS	Name of the Lecturers: B.China Veeraswamy

Month & Week	Hours available	Syllabus Topic	Additional Inputs / Value Additions	Curricular Activity				Co-Curricular Activity			
				Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
June	06	Overview of Database Management System, Entity-Relationship Model		Teaching	05	Yes		Assignment	01	Yes	
July	15	Attribute inheritance, aggregation and composition, entity clusters, connection trapes,. Relational Model: CODD Rules, relational data model, Relational algebra, Relational calculus, QBE		Teaching	13	Yes		Assignment	02	Yes	
August	09	Normalization, Structured Query Language:	Normalization	Teaching	08	Yes		Assignment	01	Yes	
September	11	PL/SQL		Teaching	10	Yes		Assignment	01	Yes	
October	5	Revision		Revision	04	Yes					

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Class: III B.Sc.,	Year: III	Semester: V	Paper: VI- Software Engineering	Name of the Lecturers: G.Sowjanya

Month & Week	Hours available	Syllabus Topic	Additional Inputs / Value Additions	Curricular Activity				Co-Curricular Activity			
				Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
June	06	Introduction, Project Management, Process And Project Metrics, Software Project Estimation, Risk Analysis, Software Project Scheduling		Teaching	05	Yes		Assignment	01	Yes	
July	14	Software Design, Requirement Analysis		Teaching	12	Yes		Assignment	02	Yes	
August	11	User Interface Design And Real Time Systems		Teaching	10	Yes		Assignment	01	Yes	
September	11	Software Testing, Software Quality Assurance		Teaching	10	Yes		Assignment	01	Yes	
October	04	Software Maintenance, Case Tools		Revision	04	Yes					

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Class: III B.Sc.,	Year: III	Semester: VI	Paper: VII- Web Technologies	Name of the Lecturers: Ch.S.V.Ravi Kumar

Month & Week	Hours available	Syllabus Topic	Additional Inputs / Value Additions	Curricular Activity				Co-Curricular Activity			
				Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
November	3	**HTML:** Basic HTML, Document body, Text, Hyper links, adding more formatting, Lists, Tables using images. More HTML: Multimedia objects, Frames, Forms towards interactive, HTML document heading detail.		Teaching	03	Yes					
December	13	**Cascading Style Sheets:** Introduction, using Styles, simple examples, your own styles, properties and values in styles, style sheet, formatting blocks of information, layers.		Teaching	11	Yes		Assignment	02	Yes	
January	09	JavaScript, basics, variables, string manipulations, mathematical functions, statements, operators, arrays, functions; Objects in JavaScript: Data and objects in JavaScript, regular expressions, Exception handling		Teaching	08	Yes		Assignment	01	Yes	
February	12	DHTML with JavaScript		Teaching	11	Yes		Assignment	01	Yes	
March	9	XML		Teaching	08	Yes		Assignment	01	Yes	

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Class: III B.Sc.,	Year: III	Semester: VI	Paper: VIII(A)- Distributed Systems (Cluster Paper)	Name of the Lecturers: B.China Veeraswamy

Month & Week	Hours available	Syllabus Topic	Additional Inputs / Value Additions	Curricular Activity				Co-Curricular Activity			
				Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
December	15	Distributed Computing Systems, System Models Issues in Designing a Distributed Operating System, Examples of distributed systems. Features of Message Passing System, RPC and its models, Server Management, Call Semantics, Communication Protocols		Teaching	14	Yes		Assignment	01	Yes	
January	12	DSM system, Granularity and Consistency Model, Advantages of DSM, Clock Synchronization, Event Ordering, Mutual exclusion, Deadlock, Election Algorithms.		Teaching	11	Yes		Assignment	01	Yes	
February	16	Task Assignment Approach, Load Balancing Approach, Load Sharing Approach, Process Migration and Threads.		Teaching	14	Yes		Assignment	02	Yes	
March	08	File Models, File Accessing Models, File Sharing Semantics, File Replication, Atomic Transactions, Cryptography, Authentication, Access control and Digital Signatures.		Revision	07	Yes		Assignment	01	Yes	

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Class: III B.Sc.,	Year: III	Semester: VI	Paper: VIII(B)- Cloud Computing (Cluster Paper)	Name of the Lecturers: G.Sowjanya

Month & Week	Hours available	Syllabus Topic	Additional Inputs / Value Additions	Curricular Activity				Co-Curricular Activity			
				Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
December	14	Cloud Computing Overview- Origins of Cloud Computing-Cloud components- Essential Characteristics Cloud Scenarios, Benefits, Limitations, Security concerns, Regularity issues		Teaching	13	Yes		Assignment	01	Yes	
January	13	Platform as a Service(PaaS), Software as a Service (SaaS), Cloud architecture		Teaching	12	Yes		Assignment	01	Yes	
February	16	Infrastructure as a Service (IaaS), Cloud deployment model, Virtualization		Teaching	14	Yes		Assignment	02	Yes	
March	08	Types of hardware virtualization, Desktop Virtualization, Microsoft Implementation		Revision	07	Yes		Assignment	01	Yes	

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