

DEPT. OF COMPUTER SCIENCE
SRI Y.N.COLLEGE (A): NARSAPUR
ANNUAL CURRICULAR PLAN 2017-2018

Class: I B.Sc.,	Year: I	Semester: I	Paper: Computer Fundamentals and Photoshop	Name of the Lecturers: G.Sowjanya
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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	13	Introduction to computers: Characteristics and limitations of computer Block diagram of computer, types of computers, uses of computers, computer generations. Number systems: working with binary, octal, decimal and Hexa decimal numbering system.		Teaching	12	Yes		Assignment	01	Yes	
August	14	Input and Output Devices, Types of Software, Memories, Windows basics:		Teaching	13	Yes		Assignment	01	Yes	
September	16	Introduction to Adobe Photoshop; Images in Photohop		Teaching	15	Yes		Assignment	01	Yes	
October	15	Working with tool box, Layers in Photoshop		Teaching	14	Yes		Assignment	01	Yes	
November	05	Filters, Menus in Photoshop	Menus in Photoshop	Teaching	04	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,
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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	12	Introduction to Algorithms and Programming Languages; Introduction to C language		Teaching	11	Yes		Assignment	01	Yes	
January	14	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	13	Yes		Assignment	01	Yes	
February	12	Arrays, Strings: Introduction- Suppressive Input- String Taxonomy- String Operations- Miscellaneous String and Character functions.		Teaching	10	Yes		Assignment	02	Yes	
March	06	Pointers, Structures, Unions, Enumerated data Types, files		Teaching	05	Yes		Assignment	01	Yes	

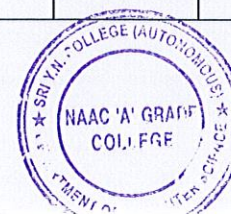


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SRI Y.N.COLLEGE (A): NARSAPUR
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Class: II B.Sc.,	Year: II	Semester: III	Paper: III- OOP's through Java	Name of the Lecturers: Ch.S.V.Ravi Kumar
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Month & 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	12	Fundamentals of Object – Oriented Programming	Difference between C, C++ and Java	Teaching	11	Yes		Assignment	01	Yes	
July	16	Overview of Java Language, Constants, Variables & Data Types, Operators and Expressions, Decision Making & Branching, Decision Making & Looping		Teaching	15	Yes		Assignment	01	Yes	
August	15	Classes, Objects & Methods, Inheritance, Arrays, Strings And Vectors. Interfaces	Inheritance and types of inheritances	Teaching	14	Yes		Assignment	01	Yes	
September	18	Multi Threaded Programming, Managing Errors And Exceptions		Teaching	17	Yes		Assignment	01	Yes	
October	08	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	07	Yes		Assignment	01	Yes	
November	04	Revision		Revision	04	Yes					

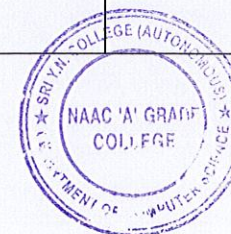


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Class: II B.Sc.,	Year: II	Semester: IV	Paper: V- Data Structures	Name of the Lecturers: Ch.S.V.Ravi Kumar
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Month & Week	Hours available	Syllabus Topic	Additional Inputs / Value Additions	Curricular Activity				Co-Curricular Activity			
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December	16	Sorting and Searching, Concept of Abstract Data Types (ADTs), Linear Lists, Arrays		Teaching	15	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	10	Graphs – Graph and its Representation, Graph Traversals, Connected Components, Basic Searching Techniques, Minimal Spanning Trees		Teaching	09	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
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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	13	Overview of Database Management System, Entity-Relationship Model		Teaching	12	Yes		Assignment	01	Yes	
July	14	Attribute inheritance, aggregation and composition, entity clusters, connection traps, Relational Model: CODD Rules, relational data model, Relational algebra, Relational calculus, QBE		Teaching	13	Yes		Assignment	01	Yes	
August	14	Normalization, Structured Query Language:	Normalization	Teaching	12	Yes		Assignment	02	Yes	
September	12	PL/SQL		Teaching	11	Yes		Assignment	01	Yes	
October	4	Revision		Revision	03	Yes					



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Class: III B.Sc.,	Year: III	Semester: V	Paper: VI- Software Engineering	Name of the Lecturers: G.Sowjanya
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				Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
June	07	Introduction, Project Management, Process And Project Metrics, Software Project Estimation, Risk Analysis, Software Project Scheduling		Teaching	06	Yes		Assignment	01	Yes	
July	14	Software Design, Requirement Analysis		Teaching	13	Yes		Assignment	01	Yes	
August	14	User Interface Design And Real Time Systems		Teaching	13	Yes		Assignment	01	Yes	
September	15	Software Testing, Software Quality Assurance		Teaching	13	Yes		Assignment	02	Yes	
October	03	Software Maintenance, Case Tools		Revision	03	Yes					

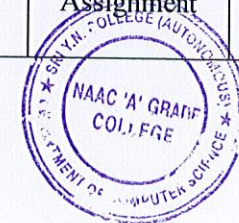


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Class: III B.Sc.,	Year: III	Semester: VI	Paper: VII- Web technologies	Name of the Lecturers: Ch.S.V.Ravi Kumar
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November	5	HTML: Basic HTML, Document body, Text, Hyper links, adding more formatting, Lists, Tables using images. More HTML: Multimedia objects, Frames, Forms towards interactive, HTML document heading detail.		Teaching	04	Yes		Assignment	01	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	12	Yes		Assignment	01	Yes	
January	12	JavaScript, basics, variables, string manipulations, mathematical functions, statements, operators, arrays, functions; Objects in JavaScript: Data and objects in JavaScript, regular expressions, Exception handling		Teaching	11	Yes		Assignment	01	Yes	
February	10	DHTML with JavaScript		Teaching	09	Yes		Assignment	01	Yes	
March	8	XML		Teaching	07	Yes		Assignment	01	Yes	

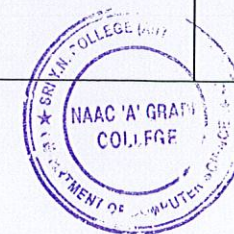


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Class: III B.Sc.,	Year: III	Semester: VI	Paper: VIII(A) - Distributed Systems (Cluster Paper)	Name of the Lecturers: B.China Veeraswamy
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Month & Week	Hours available	Syllabus Topic	Additional Inputs / Value Additions	Curricular Activity				Co-Curricular Activity			
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November	04	Distributed Computing Systems, System Models		Teaching	03	Yes		Assignment	01	Yes	
December	14	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	13	Yes		Assignment	01	Yes	
January	09	DSM system, Granularity and Consistency Model, Advantages of DSM, Clock Synchronization, Event Ordering, Mutual exclusion, Deadlock, Election Algorithms.		Teaching	08	Yes		Assignment	01	Yes	
February	15	Task Assignment Approach, Load Balancing Approach, Load Sharing Approach, Process Migration and Threads.		Teaching	14	Yes		Assignment	01	Yes	
March	09	File Models, File Accessing Models, File Sharing Semantics, File Replication, Atomic Transactions, Cryptography, Authentication, Access control and Digital Signatures.		Revision	08	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
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Month & Week	Hours available	Syllabus Topic	Additional Inputs / Value Additions	Curricular Activity				Co-Curricular Activity			
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November	04	Cloud Computing Overview- Origins of Cloud Computing-Cloud components- Essential Characteristics		Teaching	03	Yes		Assignment	01	Yes	
December	13	Cloud Scenarios, Benefits, Limitations, Security concerns, Regularity issues		Teaching	12	Yes		Assignment	01	Yes	
January	11	Platform as a Service(PaaS), Software as a Service (SaaS), Cloud architecture		Teaching	10	Yes		Assignment	01	Yes	
February	13	Infrastructure as a Service (IaaS), Cloud deployment model, Virtualization		Teaching	12	Yes		Assignment	01	Yes	
March	08	Types of hardware virtualization, Desktop Virtualization, Microsoft Implementation		Revision	07	Yes		Assignment	01	Yes	




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