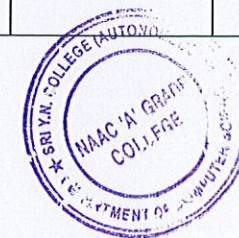
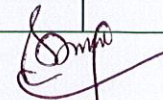


DEPT. OF COMPUTER SCIENCE
SRI Y.N.COLLEGE (A): NARSAPUR
ANNUAL CURRICULAR PLAN 2020-2021

Class: I B.Sc.,	Year: I	Semester: I	Paper: PROBLEM SOLVING IN 'C'	Name of the Lecturers: G.Sowjanya, YNVVR Rama Rao, PPS Lakshmi, A.Naga Lakshmi
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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
February	16	General Fundamentals, Introduction to Algorithms and Programming Languages		Teaching	15	Yes		Assignment	01	Yes	
March	15	Introduction to C: Structure of C Program – Compiling and Using Comments –Keywords – Data Types in C – Variables – Constants – I/O Statements in C- Operators in C-		Teaching	14	Yes		Assignment	01	Yes	
April	16	Decision Control and Looping Statements: Introduction to Decision Control Statements– Conditional Branching Statements – Iterative Statements – Nested Loops – Break and Continue Statement – Goto Statement.		Teaching	15	Yes		Assignment	01	Yes	
May	15	Arrays, Functions		Teaching	14	Yes		Assignment	01	Yes	
June	16	Structure, Union, and Enumerated Data Types:		Teaching	15	Yes		Assignment	01	Yes	
July	12	Pointers, Files		Teaching	12	Yes					



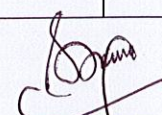

HEAD
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 NARSAPUR - 531 121, A.P. Dt.,

**DEPT. OF COMPUTER SCIENCE
SRI Y.N.COLLEGE (A): NARSAPUR
ANNUAL CURRICULAR PLAN 2020-2021**

Class: I B.Sc.,	Year: I	Semester: II	Paper: II - Data Structures Using 'C'	Name of the Lecturers: G.Sowjanya, YNVVR Rama Rao, PPS Lakshmi, A.Naga Lakshmi
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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
September	12	Introduction to Data Structures Principles of Programming and Analysis of Algorithms Arrays		Teaching	11	Yes		Assignment	01	Yes	
October	14	Linked Lists Stacks Queues Binary Trees		Teaching	12	Yes		Assignment	02	Yes	
November	15	Searching and sorting Graphs		Teaching	13	Yes		Assignment	02	Yes	

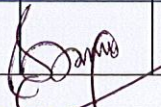


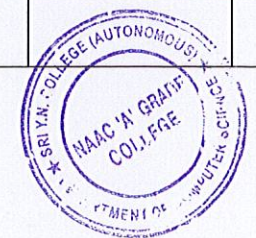

HEAD
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 NARSAPUR - 534 275, W.G.DL.,

DEPT. OF COMPUTER SCIENCE
SRI Y.N.COLLEGE (A): NARSAPUR
ANNUAL CURRICULAR PLAN 2020-2021

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
August	08	Fundamentals of Object – Oriented Programming	Difference between C, C++ and Java	Teaching	07	Yes		Assignment	01	Yes	
September	14	Overview of Java Language, Constants, Variables & Data Types, Operators and Expressions, Decision Making &		Teaching	13	Yes		Assignment	01	Yes	
November	16	Branching, Decision Making & Looping Classes, Objects & Methods, Inheritance, Arrays, Strings And Vectors.	Inheritance and types of inheritances	Teaching	15	Yes		Assignment	01	Yes	
December	18	Interfaces , Multi Threaded Programming,		Teaching	17	Yes		Assignment	01	Yes	
January	12	Managing Errors And Exceptions, Applet Programming,	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	11	Yes		Assignment	01	Yes	
February	14	Packages		Teaching	14	Yes					
March	04	Revision									

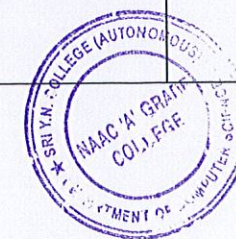

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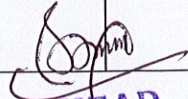


DEPT. OF COMPUTER SCIENCE
SRI Y.N.COLLEGE (A): NARSAPUR
ANNUAL CURRICULAR PLAN 2020-2021

Class: II B.Sc.,	Year: II	Semester: IV	Paper: V- Data Structures	Name of the Lecturers: Ch.S.V.Ravi Kumar, M.Tulasi Ratna Kumari
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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
April	06	Sorting and Searching, Concept of Abstract Data Types (ADTs), Linear Lists, Arrays		Teaching	05	Yes		Assignment	01	Yes	
May	14	Stacks: Definition, ADT, Array and Linked representations, Implementations and Applications Queues: Definition, ADT, Array and Linked representations, Circular Queues, Dequeues, Priority Queues.		Teaching	13	Yes		Assignment	01	Yes	
June	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	15	Yes		Assignment	01	Yes	
July	18	Graphs – Graph and its Representation, Graph Traversals, Connected Components, Basic Searching Techniques, Minimal Spanning Trees		Teaching	17	Yes		Assignment	01	Yes	

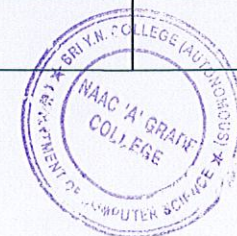



HEAD
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**DEPT. OF COMPUTER SCIENCE
SRI Y.N.COLLEGE (A): NARSAPUR
ANNUAL CURRICULAR PLAN 2020-2021**

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
August	06	Overview of Database Management System: file-based system, Drawbacks, DBMS, Objectives, Classification, DBMS Approach, advantages of DBMS, ANSI/SPARK Data Model, data models, Components of DBMS.		Teaching	05	Yes		Assignment	01	Yes	
September	11	Entity-Relationship Model: The building blocks of an ER diagram, classification of entity sets, attribute classification, relationship degree, relationship classification, reducing ER diagram to tables, EER model, generalization and specialization, IS A relationship and attribute inheritance, multiple inheritance, constraints on specialization and generalization, aggregation and composition, entity clusters, connection trapes,		Teaching	10	Yes		Assignment	01	Yes	
November	03	Relational Model: CODD Rules, relational data model, concept of key, relational integrity,		Teaching	03	Yes					
December	11	relational algebra, relational algebra operations, advantages of relational algebra, limitations of relational algebra, relational calculus, TRC, DRC, QBE, .Normalization, Structured Query Language	Normalization	Teaching	10	Yes		Assignment	01	Yes	
January	07	SQL: Imposition of Constraints, Join Operation, Set Operation, View, Sub Query, Embedded SQL,		Teaching	06	Yes		Assignment	01	Yes	
February	12	PL/SQL		Teaching	11	Yes		Assignment	01	Yes	
March	03	Revision		Teaching	03	Yes					



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SRI Y.N.COLLEGE (Autonomous)
NARSAPUR - 534 275, W.G.Dc.,**

DEPT. OF COMPUTER SCIENCE
SRI Y.N.COLLEGE (A): NARSAPUR
ANNUAL CURRICULAR PLAN 2020-2021

Class: III B.Sc.,	Year: III	Semester: V	Paper: VI- Software Engineering	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
August	06	Introduction, Project Management, Process And Project Metrics,		Teaching	05	Yes		Assignment	01	Yes	
September	12	Software Project Estimation, Risk Analysis, Software Project Scheduling		Teaching	11	Yes		Assignment	01	Yes	
November	03	Software Design, Requirement Analysis		Teaching	03	Yes					
December	12	User Interface Design And Real Time Systems		Teaching	11	Yes		Assignment	01	Yes	
January	06	Software Testing, Software Quality Assurance		Teaching	05	Yes		Assignment	01	Yes	
February	13	Software Maintenance, Case Tools		Teaching	12	Yes		Assignment	01	Yes	
March	03	Revision		Teaching	03	Yes					

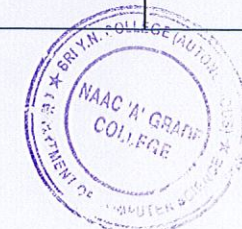


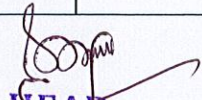

HEAD
 DEPARTMENT COMPUTER SCIENCE
 SRI Y.N.COLLEGE (Autonomous)
 NARSAPUR - 534 275, W.G.Dt.,

DEPT. OF COMPUTER SCIENCE
SRI Y.N.COLLEGE (A): NARSAPUR
ANNUAL CURRICULAR PLAN 2020-2021

Class: III B.Sc.,	Year: III	Semester: VI	Paper: VII- Web Technologies	Name of the Lecturers: Ch.S.V.Ravi Kumar, K.Sirisha
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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
April	04	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		Assignment	01	Yes	
May	12	Cascading Style Sheets: Introduction, using Styles, simple examples, your own styles, properties and values in styles, style sheet, formatting blocks of information, layers.		Teaching	10	Yes		Assignment	02	Yes	
June	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	10	Yes		Assignment	02	Yes	
July	09	DHTML with JavaScript, XML		Teaching	08	Yes		Assignment	01	Yes	

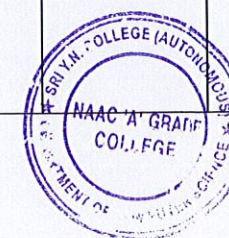



HEAD
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 SRI Y.N.COLLEGE (Autonomous)
 NARSAPUR - 534 275, W.G.Dt.,

DEPT. OF COMPUTER SCIENCE
SRI Y.N.COLLEGE (A): NARSAPUR
ANNUAL CURRICULAR PLAN 2020-2021

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			
				Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
April	04	Distributed Computing Systems, System Models Issues in Designing a Distributed Operating System, Examples of distributed systems.		Teaching	03	Yes		Assignment	01	Yes	
May	16	Features of Message Passing System, RPC and its models, Server Management, Call Semantics, Communication Protocols		Teaching	15	Yes		Assignment	01	Yes	
June	18	DSM system, Granularity and Consistency Model, Advantages of DSM, Clock Synchronization, Event Ordering, Mutual exclusion, Deadlock, Election Algorithms. Task Assignment Approach, Load Balancing Approach, Load Sharing Approach, Process Migration and Threads.		Teaching	16	Yes		Assignment	02	Yes	
July	18	File Models, File Accessing Models, File Sharing Semantics, File Replication, Atomic Transactions, Cryptography, Authentication, Access control and Digital Signatures.		Teaching	17	Yes		Assignment	01	Yes	



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DEPARTMENT COMPUTER SCIENCE
SRI Y.N.COLLEGE (Autonomous)
NARSAPUR - 534 275, W.G.Dt.,

**DEPT. OF COMPUTER SCIENCE
SRI Y.N.COLLEGE (A): NARSAPUR
ANNUAL CURRICULAR PLAN 2020-2021**

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			
				Activity	Hours Allotted	Whether Conducted	If not Alternate Date	Activity	Hours Allotted	Whether Conducted	If not Alternate Date
April	03	Cloud Computing Overview- Origins of Cloud Computing-Cloud components- Essential Characteristics		Teaching	02	Yes		Assignment	01	Yes	
May	16	Cloud Scenarios, Benefits, Limitations, Security concerns, Regularity issues, Platform as a Service(PaaS), Software as a Service (SaaS), Cloud architecture		Teaching	14	Yes		Assignment	02	Yes	
June	15	Infrastructure as a Service (IaaS), Cloud deployment model, Virtualization		Teaching	14	Yes		Assignment	01	Yes	
July	14	Types of hardware virtualization, Desktop Virtualization, Microsoft Implementation		Teaching	13	Yes		Assignment	01	Yes	



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