Vivekanand College, Kolhapur (Autonomous)
Department of B.Sc. (Computer Science Entire)
Academic Year: 2019-2020
Syllabus Completion

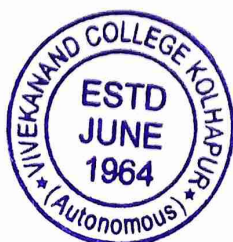Name of the teacher: Pallavi M Dessai
Programme B.Sc computer science entire   Semester-I
Subject:- Computer science   Course Title: Programming in C-I

Section –II

MONTHS	UNIT NAME	POINTS TO BE COVERED
July	Programming Concepts	Definition, Pseudo code conventions, Examples, Characteristics of an algorithm, Time complexity, Iterative, Recursion, Characteristics of algorithm, Notation of Algorithm, Flowcharts- Definition, Symbol, features.
August	Introduction to C	History of 'C', Structure of 'C' programming , Running and debugging the program, Character set and keywords, Constant and its type, Variable and its Data types in 'C', OperatorsArithmetic, logical, relational, bitwise, increment, decrement ,conditional, operator precedence
September	Input-Output Statements	Character input-output ,String input-output - Formatted input-output
October	Control Structures	Conditional control statements- if, if else, nested if, switch, Looping – for statements, nested for, while, do-while statements, Unconditional breaking control statements- break, continue, goto Array definition and declaration, Single and multidimensional array, String functions

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Department of B.Sc. (Computer Science Entire)
Academic Year: 2019-2020
Syllabus Completion

Name of the teacher: Pallavi M Dessai

Programme B.Sc computer science entire Semester-II

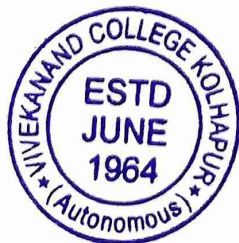Subject:- Computer science Section II Course Title: Programming in C-II

MONTHS	UNIT NAME	POINTS TO BE COVERED
November	Pointers	Definition and declaration, Operations on pointer, Pointer initialization, Pointer And Array, Pointer of pointer, Dynamic memory allocation , Pointer And Array, Pointer of pointer, Dynamic memory allocation
December	Function	Definition, declaration, prototype of function, Local and global variable, User defined functions Storage classes, Recursion, Pointer and function, Call by value and Call by reference, Preprocessor
January	Structures and Union	Definition and declaration, Array of structures, Passing structure to function, Pointer to structure Nested structure, self referential structure, Sizeof and typedef, Definition of Union and declaration, Difference between structure and Union
February	File Handling	Concept of File ,Text and binary files, Opening and closing files, File opening mode- read, write, append, character and integer handling Formatted input, Formatted output.

Name and sign of teacher

HOD

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Vivekanand College, Kolhapur (Autonomous)
Department of B.Sc CS (Entire)
Academic Year: 2019-20

Syllabus Completion Report

Name of the teacher: Mr Rajesh R Mane

Subject: Computer Science

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
BCS-I	I	**Introduction To computers and C – programming-I**	Unit 1. I-Introduction to Computer and Basic Organization Unit 2:Input, Output Devices and Concept of Memory Unit 3:Operating System concepts Unit 4:Office automation and Database basic concepts Practical's Fundamentals of computers	Unit 1. I-Introduction to Computer and Basic Organization Unit 2:Input, Output Devices and Concept of Memory Unit 3:Operating System concepts Unit 4:Office automation and Database basic concepts Practical's Fundamentals of computers	-----	Completed
BCS-I	II	**A Introduction to computers and programming using C-II**	Unit 1: Computer Network Basic Concepts Unit 2: IT Management Practical's Fundamentals of computers Unit 3: Introduction to RDBMS Unit 4: Structured Query Language (SQL) Practical's Fundamentals of computers	Unit 1: Computer Network Basic Concepts Unit 2: IT Management Practical's Fundamentals of computers Unit 3: Introduction to RDBMS Unit 4: Structured Query Language (SQL) Practical's Fundamentals of computers	-----	Completed

MR Rajesh R Mane

Miss Pallavi M. Dessai
(HOD)
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(AUTONOMOUS)

Vivekanand College, Kolhapur (Autonomous)
Department of B.Sc CS (Entire)
Academic Year: 2019-20

Syllabus Completion Report

Name of the teacher: Mr.Rajesh R Mane   **Subject: Computer Science**

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
BCS-III	V	**E-Commerce**	1. Introduction to E-commerce 2. Internet & Security 3. Electronic Data Interchange EDI 4. Electronic Payment System Practical's Fundamentals of computers	1. Introduction to E-commerce 2. Internet & Security 3. Electronic Data Interchange EDI 4. Electronic Payment System Practical's Fundamentals of computers	-----	Completed
BCS-III	VI	**Web Technology**	1. Introduction 2. Advanced HTML 3. Cascading Style Sheet CSS 4. Introduction to Web Application Practical's Fundamentals of computers	1. Introduction 2. Advanced HTML 3. Cascading Style Sheet CSS 4. Introduction to Web Application Practical's Fundamentals of computers	--------	Completed

Mr .Rajesh R.Mane

Miss Pallavi M. Dessai
(HOD)
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(AUTONOMOUS)

Vivekanand College, Kolhapur (Autonomous)
Department of Computer Science (Entrire)
Academic Year: 2019-20

Syllabus Completion

Name of the teacher: Vaishali Chandrashekhar Dalvi

Programme: B.Sc. Computer Science (Entrire) III   Semester- V
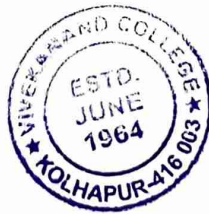
Subject: Computer Science

Course Title: Introduction to VB.Net

MONTHS	UNIT NAME	POINTS TO BE COVERED
JUN, JULY	I- .net Framework	Event Driven programming, Introduction to framework.. NET architecture. CLR, CTS, JIT compiler, MSIL, .NET framework class library. Garbage collection. Assemblies.
AUGUST	II-Vb.NET basics.	.NET development environment, data types, operators,
SEPTEMBER	III-Exception Handling	control structure, procedures. Exception Handling. Classes and objects. Console application.
OCTOMBER	IV- Windows applications in Vb#.Net	Windows forms Controls Mouse Events Keyboard events.

Name and Signature of Teacher

Vaishali C. Dalvi

Name and Signature of HoD

Pallavi M. Dessai

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Vivekanand College, Kolhapur (Autonomous)
Department of Computer Science (Entrire)
Academic Year: 2019-20

Syllabus Completion

Name of the teacher: Vaishali Chandrashekhar Dalvi

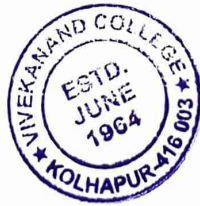Programme: B.Sc. Computer Science (Entrire) III   Semester- VI

Subject: Computer Science

Course Title: Introduction to ASP.Net

MONTHS	UNIT NAME	POINTS TO BE COVERED
NOVEMBER, DESCEMBER	I-OOPS concepts with Vb.Net	Class and Objects Properties, methods and events. Constructors and destructors Method overloading & overriding. Inheritance, Access modifiers. Interface, Polymorphism.
JANUARY, FEBRUARY	II- Database connectivity in VB.NET	Database, Connection to database using MS-Access, Data binding with controls, Data form wizards. Data validations.
MARCH	III-Using Crystal Reports	Connections to Database, Tables Create, modify reports. Formatting Fields and inserting Header and footers. Working with multiple tables.
APRIL	IV-ASP.NET with Vb#.NET	Introduction to ASP.net Working with web controls.

Name and Signature of Teacher

Vaishali C. Dalvi

Name and Signature of HoD

Pallavi M Dessai

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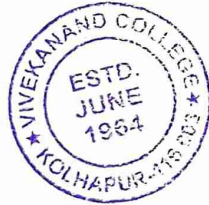Department of B.Sc CS (Entire)

Academic Year: 2019-20

Syllabus Completion Report

Name of the teacher: Miss Nadiya D. Patel **Subject: Computer Science**

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
BCS-II	III	**Introduction to RDBMS using MySQL**	Unit 1. Introduction to RDBMS using MySQL Unit 2: Introduction to MySQL Unit 3: - MySQL Sub-queries and Joins Unit 4: Introduction to MySQL Stored Procedures	Unit 1. Introduction to RDBMS using MySQL Unit 2: Introduction to MySQL Unit 3: - MySQL Sub-queries and Joins Unit 4: Introduction to MySQL Stored Procedures	-----	Completed
BCS-II	IV	**Cyber Security Essentials**	Unit 1: Introduction to Computer Network Unit 2: : Introduction to Cyber security Unit 3: Introduction to information security and threats Unit 4: Access Control and cyber security laws	Unit 1: Introduction to Computer Network Unit 2: : Introduction to Cyber security Unit 3: Introduction to information security and threats Unit 4: Access Control and cyber security laws	-----	Completed

Miss Nadiya D. Patel

Miss Pallavi M. Dessai
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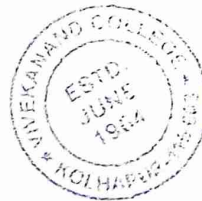
Department of B.Sc CS (Entire)

Academic Year: 2019-20

Syllabus Completion Report

Name of the teacher: Miss Nadiya D. Patel   **Subject: Computer Science**

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
BCS-III	V	**Software Engineering**	1. Unit-I Introduction To Software Engineering & Process Models 2. Requirement analysis and specification 3. Planning a software project 4. Design and testing	1. Unit-I Introduction To Software Engineering & Process Models 2. Requirement analysis and specification 3. Planning a software project 4. Design and testing	-----	Completed
BCS-III	VI	**Unified Modelling Language**	1. Introduction to UML 2. Modelling Concepts 3. UML Diagram-I 4. UML Diagram-II	1. Introduction to UML 2. Modelling Concepts 3. UML Diagram-I 4. UML Diagram-II		
BCS-III	III	Practical's Operating System and Linux V and VI	ALL	ALL	-----	Completed

Miss Nadiya D. Patel

Miss Pallavi M. Dessai
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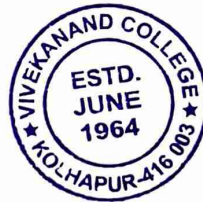## Department of B.C.S
Academic Year: 2019-20

Syllabus Completion Report

Name of the teacher: Miss NITA N.BARGALE

Subject: computer science

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remarks
B.C.S-III	V	Core Java	Unit 1:introduction to java Unit 2: control statement, class and object	Unit 1: introduction to java Unit 2: control statement, class and object	-----	Completed
B.C.S-III	V	Core Java	Unit 3: package ,inheritance and interface Unit 4:Exception handling and multithreading	Unit 3: package ,inheritance and interface Unit 4:Exception handling and multithreading	-----	Completed
B.C.S-III	VI	Advance java	Unit 1: 1: User Interface Components with AWT and Swing Unit 2:JDBC	Unit 1: 1: User Interface Components with AWT and Swing Unit 2:JDBC	-----	Completed
B.C.S-III	VI	Advance java	Unit 3 : servlet Unit 4: jsp	Unit 3 : servlet Unit 4: jsp	-----	completed
B.C.S-III	V	Practicals	All Practicals	All Practicals	-----	Completed
B.C.S-III	VI	Practicals	All Practicals	All Practicals	-----	Completed

Miss Nita N.Bargale

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Vivekanand College, Kolhapur (Autonomous)

Department of B.Sc CS (Entire)

Academic Year: 2019-20

Syllabus Completion Report

Name of the teacher: Miss Radhika M. Patil

Subject: Computer Science

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Cover	Remarks
BCS-II	III	Object Oriented Programming Using C++	Unit 1: Introduction to C++ and Basics of Object Oriented programming Concepts Unit 2: Class and Object Unit 3: Constructor, Destructor, Operator Overloading Unit 4: Inheritance and Polymorphism	Unit 1: Introduction to C++ and Basics of Object Oriented programming Concepts Unit 2: Class and Object Unit 3: Constructor, Destructor, Operator Overloading Unit 4: Inheritance and Polymorphism	-----	Completed
BCS-II	IV	Introduction to Data Structure using C++	Unit 1: Introduction to Data structure and Linear Data Structures Unit 2: Stack and Queue Unit 3: Linked List, Trees, Searching and Sorting algorithms Unit 4: Searching and Sorting	Unit 1: Introduction to Data structure and Linear Data Structures Unit 2: Stack and Queue Unit 3: Linked List, Trees, Searching and Sorting algorithms Unit 4: Searching and Sorting	-----	Completed
BCS-II	III and IV	C++, MySQL and Data Structure Programs	ALL Practical Assignments	ALL Practical Assignments	-----	Completed
BCS-III	V	Data Communication	Unit 1: Basics of Data communication Unit 2: Transmission media and modes Unit 3: Network models, Protocols and Standards Unit 4: Multiplexing and Switching	Unit 1: Basics of Data communication Unit 2: Transmission media and modes Unit 3: Network models, Protocols and Standards Unit 4: Multiplexing and Switching	-----	Completed
BCS-III	VI	Computer Network	Unit 1: Physical Layer and Data Link Layer Protocols Unit 2: Network Layer and Transport Layer Unit 3: Session and Presentation layer Unit 4: Application layer	Unit 1: Physical Layer and Data Link Layer Protocols Unit 2: Network Layer and Transport Layer Unit 3: Session and Presentation layer Unit 4: Application layer	-----	Completed

Miss Radhika M. Patil

Miss Pallavi M. Dessai

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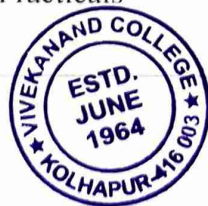**VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)**

Vivekanand College, Kolhapur (Autonomous)
Department of B.Sc. Computer Science Entire
Academic Year: 2019-20
Syllabus Completion Report

Name of the Teacher: Mr. N. P. Mote   **Subject: Electronics**

Class	Sem	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Covered	Remark
B. Sc. Computer Science Entire -I	I	GEC-1301 A Electronics Paper – I Analog Electronics – I and Digital Electronics – I	Unit 1: Basic circuit elements Unit 2:DC Circuit Analysis Unit 3:Semiconductor Diodes Unit 4: Bipolar Junction Transistor	Unit 1:Basic circuit elements Unit 2:DC Circuit Analysis Unit 3:Semiconductor Diodes Unit 4:DC Power Supply	-----	Completed
B. Sc. Computer Science Entire -I	II	GEC-1301 B Electronics Paper – II Analog Electronics – II and Digital Electronics – II	Unit 1: Field Effect Transistor Unit 2: Amplifiers and Oscillators Unit 3: Operational Amplifier Unit 4: DC Power Supply	Unit 1:Bipolar Junction Transistor Unit 2:Field Effect Transistor Unit 3:Amplifiers and Oscillators Unit 4: Operational Amplifier	-----	Completed
B. Sc. Computer Science Entire - II	III	GEC-1301 C Computer Instrumentation And Organization, Processor Programming	Unit 1: Transducers and Sensors Unit 2: Signal conditioning Unit 3: Data Converters Unit 4: Digital Instruments and Data Acquisition	Unit 1: Transducers and Sensors Unit 2: Signal conditioning Unit 3: Data Converters Unit 4: Digital Instruments	-----	Completed
B. Sc. Computer Science Entire – II	IV	GEC-1301 D Communication Principles And 8051 Microcontroller Interfacing, Programming	Unit 1:Introduction to Electronic Communication Unit 2: Modulation and Demodulation Unit 3: Multiplexing and Multiple Access Techniques Unit 4: Mobile communication	Unit 1:Introduction to Electronic Communication Unit 2: Modulation and Demodulation Unit 3: Multiplexing and Multiple Access Techniques Unit 4: Mobile communication	-----	Completed
B. Sc. Computer Science Entire -I	I&II	Practicals	20 Practicals	20 Practicals	-----	Completed
B. Sc. Computer Science Entire-II	III & IV	Practicals	20 Practicals	20 Practicals	-----	Completed

Mr. N. P. Mote

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Name of the teacher: Mr.A.A.Pawar   Subject: Statistics

Class	Semester	Course Title	Syllabus Assigned	Syllabus Covered	Syllabus Not to Cover	Remarks
BCS-I	I	Descriptive statistics-I	Unit 1: Introduction Unit 2: Measure of Central Tendency Unit 3: Measures of dispersion Unit 4: Moments, Skewness and Kurtosis	Unit 1: Introduction Unit 2: Measure of Central Tendency Unit 3: Measures of dispersion Unit 4: Moments, Skewness and Kurtosis	-----	Completed
BCS-I	II	Probability and Discrete Probability Distributions-I	Unit 1: Probability: Unit 2: Conditional probability and independence of events Unit 3: Univariate probability distributions Unit 4: Some standard discrete probability distributions	Unit 1: Probability: Unit 2: Conditional probability and independence of events Unit 3: Univariate probability distributions Unit 4: Some standard discrete probability distributions	-----	Completed
BCS-I	II	Descriptive statistics-II	Unit 1: Correlation (for ungrouped data) Unit 2: Regression (for ungrouped data) Unit 3: Multiple, partial Correlation & Regression (For Trivariate Data): Unit 4: Time Series	Unit 1: Correlation (for ungrouped data) Unit 2: Regression (for ungrouped data) Unit 3: Multiple, partial Correlation & Regression (For Trivariate Data): Unit 4: Time Series	-----	Completed
BCS-I	II	Continuous Probability Distributions and Testing of Hypothesis	Unit 1:Continuous Univariate Distributions Unit 2: Exact sampling distributions Unit 3: Testing of hypothesis Unit 4: Simulation	Unit 1:Continuous Univariate Distributions Unit 2: Exact sampling distributions Unit 3: Testing of hypothesis Unit 4: Simulation	-----	Completed

Mr.A.A.Pawar

Miss Pallavi M. Dessai
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