

R. C. Patel Educational Trust's

R. C. Patel Arts, Commerce and Science College

Shirpur-425405, Karvand Naka, Dist.- Dhule (Maharashtra)

E-mail - principal@rcpasc.ac.in

Affiliated to: K. B. C. North Maharashtra University, Jalgaon-425001

Self Study Report (SSR): 2024 (4th Cycle)



Criteria - 1 Curricular Aspects

Key Indicator – 1.1
Curricular Planning and Implementation



Metric No. - 1.1.1 (QIM)

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Submitted to

National Assessment and Accreditation Council, Bangalore



R. C. Patel Educational Trust's

R. C. Patel Arts, Commerce and Science College Hon. Bhupeshbhai Patel

Karvand Naka, Shirpur 425405, Dist - Dhule, Maharashtra

2: (02563) 299328

E-mail: principal@rcpasc.ac.in

President

Principal

Dr. D. R. Patil

Date: 15/06/2024

Declaration

This is to declare that, the information, reports, true copies of the supporting documents, numerical data etc. submitted in these files is verified by Internal Quality Assurance Cell (IQAC) and it is correct as per the office record.

This declaration is for the purpose of NAAC accreditation of the HEI for the 4th cycle assessment period 2018-19 to 2022-23.

Place: Shirpur

Date: 15/06/2024

Dr. Sandip P. Patil **IQAC Co-ordinator**

IQAC Coordinator R. C. Patel Educational Trust's R. C. Patel Arts, Commerce and Science College Shirpur, Dist.-Dhule (M.S.) 425405

R. C. Patel Educational

Dr. D. R. Patil **IQAC Chairman & Principal**

PRINCIPAL R. C. Patel Educational Trust's R. C. Patel Arts, Commerce and Science College Shirpur, Dist.-Dhule (M.S.) 425405

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| Sr. No. | Particulars | Page No. |
|---------|--------------------------|----------|
| | Teacher's Academic Diary | |
| 1. | Academic Year 2018-19 | 01-91 |
| 2. | Academic Year 2019-20 | 92-199 |
| 3. | Academic Year 2022-23 | 200-231 |



The Shirpur Education Society



R. C. Patel Educational Trust

R. C. Patel Educational Campus (Colleges) Nimzari Naka, Karwand Naka, Shirpur 425 405 Dist. Dhule (MS)

Academic Year 2018 - 19

Semester # # #

Department Computer Science

Class & Subject

Faculty Name 8 . S. Panchbhai

Faculty Academic Diary...



PERSONAL PROFILE

1.PERSONAL INFORMATION

| Full Name | Prof. BHANUDAS SURESH PANCHABHAI | | | |
|------------------------|---|--|--|--|
| Address | 22-A, Ashirwad, Vidya Vihar Housing Society-A, Shirpur, Tal. Shirpur-424405. Dist. Dhule (Maharashtra) | | | |
| E-Mail | bharat.panchbhai@gmail.com | | | |
| Date of Birth | 25-10-1971 | | | |
| Religion | Hindu | | | |
| Caste | Hindu-Brahmin | | | |
| Nationality | Indian | | | |
| Gender | Male | | | |
| Marital Status | Married | | | |
| Mobile Number | 9420404579 | | | |
| Adhar Number | 6508 0562 8096 | | | |
| PAN Number | ACLPP8014A | | | |
| Designation | Assistant Professor | | | |
| Subject/Specialization | Computer Science | | | |
| Place of work | R.C.Patel Arts, Commerce and Science College, Shirpur. | | | |
| Years of Experience | 18-10-1994 to till this date (Regular Appointment) | | | |

2. HIGHLIGHTS:

- Myself associated as subject expert in NME-ICT, MHRD, New Delhi e-content titled "Radio Frequency Identification" produced by EMRC, DAVV, Indore, for Sakshat.com.
- Appointed as a National Conference Convener for Advanced Trends and Challenges in Computer Science also for state level seminar on digital image processing.
- Committee member as a Reviewer for Vrunda book & Atharav book Publications, Jalgaon.
- Appointed as a Subject expert, LIC member, Examiner etc. in various affiliated colleges/Institute under the KBCNMU, Jalgaon area.
- 5. Technical Advisor for State level Programming contest 'C' / 'C++' and Session chair for National conference at Chalisgaon.
- 6. Participated and selected in Avishkar -2013 at KBCNMU. Jalgaon.
- 7. Appointed as Guest lecturer, Visiting Faculty member and Resource person.
- 8. Published Text books with ISBN No.
- Work as a Coordinator for Ekkalavya center (Carrier competition one year program of NMU at our college for Academic Year -2012-13).
- 10. Published Papers In Reputed journals with Impact factor =
- 11. Presented Papers In National Conference = 21, State level=01,
 International Conference = 01, Article=02
- Faculty Development Programs

Orientation: 01 Refresher: 03,

Training: 04, Workshop (University Level/National):36

- 13. Appointed as a Post Graduate Recognized Teacher & PG guide from June 2000.
- 14. Active participation in NSS camp, Youth festival, IT Dindi, Blood Donation camp, Election Duty, Cultural Activities and Placement cell.

- 15. Appointed as an organizing committee member for National Conference at P.O.Nahata College, Bhusawal.
- 16. Appointed as a Certificate Course coordinator.

3. AWARDS

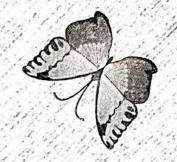
- 1. Rashtriya Vidya Gaurav Puraskar by Indian Solidarity Council.
- 2. Bharat Vidya Shiromani Award by International Business Council.
- Jewel of India Award by International Institute of Education and Management.
- 4. Rashtriya Vidya Gaurav Gold Medal Award By International Institute of education & Management.
- 5. EET CRT Education Pro: Appreciation certificate and Trophy
- ARCH of International Education Excellence Award By International Business Council.

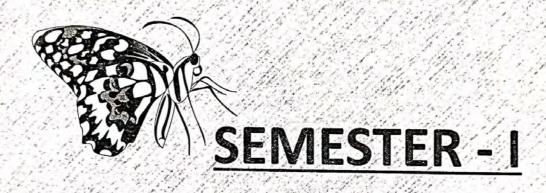
4. QUALIFICATION DETAILS

| Degree | Year of Passing | Board/University | Grade |
|--|--------------------|--|-------|
| Bachelor of Computer Science | 1992 | Savitri Bai Phule University of Pune, Pune | Α |
| Master of Computer Science | 1994 | Savitri Bai Phule University of Pune, Pune | Α |
| Certificate of Training LINUX OS | 2012 | IIT , Bombay | A |
| Certificate of Training JAVA Programming | 2016 | IIT , Bombay | Α |
| Certificate of Training PHP Programming | 2016 | IIT , Bombay | Α |
| PhD (Pursuing) | | | |
| CCC Course | 2018 | NILET | В |

Faculty Members

| | | Teaching Staff | | | |
|---------|-----------------------------|----------------------------|-----------------------|--------------------------|----|
| Sr. No. | Name | Qualification | Designation | Experience in year UG PG | |
| 01 | Panchbhai Bhanudas Suresh | M.C.S. | Head of Department | 24 | 18 |
| 02 | Mone Sunil Dhondu | M.C.A. M.Phil.(CS), SET | Asst. Professor | 22 | 18 |
| 03 | Maheshwari Anand Jayantilal | M.Sc., SET | Asst. Professor | 14 | 14 |
| 04 | Chavan Dipak Eknath | M.Sc. | Asst. Professor | 11 | 11 |
| 05 | Patil Komal Purshottam | M.Sc. | Asst. Professor | 02 | 02 |
| 06 | Sonawane Megha Ramdas | M.Sc. | Asst. Professor | 02 | 02 |
| 07 | Rajput Mayuri Ravindra | M.Sc. | Asst. Professor | 01 | 01 |
| | | Supporting Staff | di Tito | | |
| 01 | Kulthe Yogesh Suresh | B.C.A. | Lab. Assistant | 08 | |
| 02 | Anis Beg Yusuf Beg | 12 th | Peon | 04 | |











Academic Calendar

R.C. Patel Arts, Commerce and Science College, Shirpur

Department of Computer Science

Academic Calendar 2018-2019

| Sr. No. | Name of Activity | Month and Year |
|------------|---|---|
| 1. | Admission Counseling for UG and PG | 15 th June to 30 th July-2018 |
| 2. | International Yoga Day Participation | 21 ST June 2018 |
| 3. | Welcome Function For PG students | 05 th August 2018 |
| 4. | On line Registration committee ,Ant ragging and preparation of merit list | 18 th August 2018 |
| 5. | Computer science Conference organizing Committee | Month August/ September 2018 |
| 6. | Teachers Day Celebration | 05 th September 2018 |
| 7. | | 20-25 th September 2018 |
| 8. | Internal Test UG and PG | 20-25 th September 2018 14 th to 21 st September 2018 |
| 9. | Computer Science Quiz Competition/PPT Competition | 2-4 th October 2018 |
| | Internal Test PG (Second Internal) | 16 th October 2018 |
| 11. | Guidelines and Inspiration to students and Teachers for Avishkar | 25 to 28 th December 2018 |
| 12. | Project Guidelines and Recent Trends in Computer By | 27 th January 2019 |
| . 7 | Speaker | |
| 13. | Culture Program Activities | January 2019 |
| 14. | Guest/Speaker | January 2019 |
| 15. | Internal Test UG and PG | 18 th to 28 th February 2019 |
| | Poster Presentation Competition | 6 th March 2019 |
| 17. | Internal Test PG (second Internal) | 22 nd March to 26 th March 2019 |
| 18 | Send off for final year UG and PG students | March 2019 |
| 19. | Preparation and Guidelines for M.Sc. Project Work | From December to Till Examination |
| 20 | Preparation of resume and placement cell activity | Through academic year |
| 21. | Run certificate Course In Commerce For Textile | Through academic year |
| 22 | Conduct seminar on Various topics by PG students | Through academic year |
| 23. | Preparation of online feedback data of Teachers by | At the end of Academic year |
| | Assist to Nonteaching, Teaching and students for S/w | Through academic year |
| 25. | For UG and PG students :Conduct IIT Bombay Spoken tutorial Course | Within academic year |





Time-Table

| P. N. | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|-------|----------------------|--------------------|-----------------|------------|---------------------|------------|-----|
| 1 | CS_Lab_II M.Sc. I | | | | | | |
| 2 | C5-314 CG | CS-314 CG | C9-314 CG | | | | |
| 3 | | | cs-314 | CS-212 | CS-212 | C5-212 | |
| 4 | | | CG | COAD & CO+ | CS-212 COAD&CA+ | COAD & C++ | |
| 5 | | | | | CS-212 OOAD& CHF | | |
| 6 | CS-lab-II | CS-lab-II TYBsc | CS.Lab-IL TYBSC | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |

Time- Table

| . N. | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|------|--------------------|-----------------|---------------|--------------------|--------------------|----------|-----|
| 1 | | | | | | | |
| 2 | C5-324 PHP | Cs - 324 PHP | CS-324 PMP | cs.203 ce | C5.203 Ce | CS - 203 | |
| 3 | | | | C++ - II | CB-202 CP+-II | C3, 212 | |
| 4 | | | CS-324 PMP | CS _ 203 | CB-212 CA+-II | | |
| 5 | | | | | | | |
| 6 | CS-Lab-II TYBSC | | | CS_Lab-II TYBSC | CS-Lab-IT TYBSC | | |
| 7 | | | | | | | |
| 8 | | | - | | | | |





Calendar Planning of Faculty Activities

* Scope and objectives

Compreter science ia Concerned relitte the design Modelling, analysis of applications of Groppeter, related systems. Its study at RCP, Aes privides education at the undergraduate of Rost graduate tevels necessary to understand, design implement of use the SIN, HID of digital Comprehens of digital systems. The program provide Comprehensive & integrated studies of subjects in Computer science Arsteitecture, Corosposeter networks, distributed Computer systems. Programming danguages & sho system information & data management, artificial sotellique Computer & dience tecory, Compositational systems, biology & bioinformatics & Computer vision & grapteics.





Course Objective / Course Outcome

Department Mission:

The Competer Dience department atrives for excellence in Creating, applying of imparting throwoledge in Computer Dience through Compochensive educational programs. research in Collaboration with industry of government, dissemination through Scholarly problications of Service to Professional Societies, the Community State of Nation.

objectives

1. Make Valuable technical education Contributions to design, development, & production in their Pratice of Compreter Science & related engineering or application areas.

2. Demonstrate string Communication skills of the ability to function effectively as part of a team.

3. Demonstrate a Sense of Rozial of etterical responsibility in their Professional endeavors.

4. Engage in Professional development.

Career Prospects

The IT sector has witnessed a significant boom in the recent decade, which has increased the number of jobs, giving fresher's new opportunities to make successful careers. Students have acquired jobs not only in IT sector but in other sectors like Data Publishing, Consultancies, Financial institutes etc.

With immense scope for students to get placed in software and hardware companies, the students can work in following sectors:

- Banks
- Schools and Colleges
- · Technical Support
- Traffic Light Management
- Consultancies
- Insurance Providers
- System Maintenance
- Security and Surveillance Companies
- Computers and Related Electronic Equipment Manufactures
- Software Development Companies

Program Outcomes

Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.

- 2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
- 3. Communicate effectively in a variety of professional contexts
- 4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles
- 5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline
- 6. Apply computer science theory and software development fundamentals to produce computing-based solutions

Course Outcomes

- 1. Apply algorithmic, mathematical and scientific reasoning to a variety of computational problems
- 2. Design, correctly implement and document solutions to significant computational problems
- 3. Analyze and compare alternative solutions to computing problems
- 4. Implement software systems that meet specified design and performance requirements
- 5. Work effectively in teams to design and implement solutions to computational problems
- 6. Communicate effectively, both orally and in writing
- 7. Recognize the social and ethical responsibilities of a professional working in the discipline





Course Objective / Course Outcome

North Maharashtra University, Jalgaon T. Y. B. Sc. (Computer Science) (w.e.f. June -2017) Computer Aided Graphics (UG-CS-314) Semester-I

Total lectures: 60 Total Marks: 90

[L:08 M:16]

Unit-1: Introduction to Graphics

1.1 The origin of computer graphics

1.2 Application of Computer Graphics How the interactive graphics display works.

1.3 Definitions: Pixel, Resolution, Interactive, Non interactive graphics, Aspect Ratio, Active graphics, Passive graphics,

1.4 How the interactive graphics display works. 1.5 Display types: Random Scan and Raster Scan

Unit-2: Line Drawing Technique

[L:06 M:12]

2.1 Co-ordinate Systems

2.2 The Simple DDA

2.3 The Symmetrical DDA

2.4 Bresenham's line drawing Algorithm

2.5 Bresenham's circle drawing Algorithm

Unit-3: Two Dimensional and Three Dimensional Transformations [L:16 M:20]

3.1 Transformation principles

3.2 Concatenations

3.32D Matrix Representation

3.4 3D Transformations

3.5 Transformation in Viewing

3.6 The perspective Transformation

Unit-4: Clipping and Windowing

[L:14 M:16]

4.1 Define: Clipping, Window, view port

4.2 Cohen-Sutherland algorithm

4.3 Mid-point Subdivision

4.4 Polygon Clipping and flowchart to clip each polygon vertex and closing routine

4.5 The Windowing Transformation

4.6 3-D Clipping

Unit-5: Raster Graphics and Solid Area Scan-Conversion

[L:08 M:12]

5.1 Introduction

5.2 Scan Converting Line Drawings

5.3 Scan Converting Polygons

5.4 Coherence





Course Objective / Course Outcome

5.5 (YX) Algorithm

5.6 Priority: Painter's Algorithm

Unit-6: Hidden Surface Elimination

6.1 Object Space and Image Space Algorithms

6.2 The Depth Buffer Algorithm

6.3 Warnock's Algorithm

[1.:08 M:12]

Reference:

- 1. William M. Newman and Robert F. Sproull, "Principles of Interactive Computer Graphics", ISBN: 9780074632932 (Second Edition), Tata-McGraw Hill Publication
- 2. Rogers," Procedural Interactive Computer Graphics", ISBN- 978-070486775, McGraw Hill Book Company Ltd.
- 3. Mathematical Elements of Interactive C.





Course Objective / Course Outcome

North Maharashtra University, Jalgaon T. Y. B. Sc. (Computer Science) (w.e.f. June -2017) UG-CS-LAB-302

LAB on Computer Aided Graphics & Programming in VB.NET

Semester-I

Computer Aided Graphics

- 1. Draw the following pattern using standard graphics library:
 - a. Block Diagram of Computer
 - b. Display Flag of India
 - c. Flow Chart Symbols / DFD Symbols / ER-Diagram Symbols
- 2. Implement Bresenham's Line Drawing Algorithm
- 3. Implement Bresenham's Circle Drawing Algorithm
- 4. Implement DDA line Drawing Algorithm
- 5. Implementing translation transformation on polygon
- 6. Implementing scaling transformation on polygons
- 7. Implementing rotation transformation on polygons
- 8. Implement Cohen-Sutherland line clipping algorithm

VB.NET

- 1. Write a VB.Net Program to demonstrate Array.
- 2. Write a Window based application to find maximum of three numbers.
- 3. Write a Window based application to find factorial of a given numbers.
- 4. Write a Window based application for Armstrong numbers.
- · 5. Write a VB.Net Program to demonstrate Exception Handling.
 - 6. Write a VB.Net Program to demonstrate Constructor.
 - 7. Write a VB.Net Program to demonstrate Single Inheritance.
 - 8. Write a VB.Net Program to demonstrate Interface.
 - 9. Write a VB.Net Program to demonstrate Polymorphism.
 - 10. Design GUI and write Code for the following in VB.Net (ADO.Net) without wizard: Accept employee details like emp_no, emp_name, emp_age and save these details in emp_TBL.





Course Objective / Course Outcome

North Maharashtra University, Jalgaon S. Y. B. Sc. (Computer Science) w.e.f. June- 2016 Sem - I Paper - II

COMP-212: Object Oriented Analysis & Design (OOAD) & Introduction to C++

Unit 1 Introduction to OOAD

(8L, 14M)

- 1.1 Object Oriented Development
- 1.2 Benefits and applications of OOP
- 1.3 Characteristics of Object: Identity, classification, polymorphism, Inheritance, encapsulation, abstraction.
- 1.4 Difference between Structure oriented programming and object oriented programming.

2 Object Modeling & Analysis

(12L, 16M)

- 2.1 Abstract & Object Modeling Technique
- 2.2 Object & classes
- 2.3 Advanced Link & Association Concept
- 2.4 Generalization & Inheritance, Grouping Constraints
- 2.5 Aggregation
- 2.6 Metadata
- 2.7 Concepts & Types of Models

3. Object Oriented Programming styles

(8L, 12M)

- 3.1 Basics of Object oriented Programming styles
- 3.2 Reusability
- 3.3 Extensibility
- 3.4 Robustness

4. Introduction to C++

(10L, 16M)

- 4.1 Basics of C++, Structure of C++ Program, keywords in C++, Data types hierarchy in C++,
- 4.2 Operators in C++:
 - 4.2.1 Scope resolution operator
 - 4.2.2 Insertion and Extraction operator
 - 4.2.3 New and Delete operators, reference operators.
- 4.3 Manipulators function: endl, setw, setfill, setprecision.

5 Classes and objects

(10L, 16M)

- 5.1 Classes, object, Specifying a class, Access specifiers, Class members
- 5.2 Defining member functions: Inside and Outside the class definition
- 5.3 Creating objects, passing object as an argument
- 5.4 Array of objects

Unit 6 Constructors and Destructors

(12L, 16M)

- 6.1 Memory allocation and static data members
- 6.2 What is constructor?
- 6.3 Types of constructors:
 - 6.3.1 Default Constructor





Course Objective / Course Outcome

- 6.3.2 Parameterized Constructor
- 6.3.3 Copy Constructor
- 6.3.4 Overloaded constructors in a class
 - 6.3.5 Constructor with default arguments

6.4 Destructors

Reference Books:

- 1. Object oriented modeling & design By James Rum Baugh, Michel Blaha, PHI, 2005
- Introduction to object oriented analysis & Design with UML & the unified Process By Stephen R. Schach, TMH, 2003
- 3. Object Oriented analysis & Design with Applications, 2nd edition by Grady Boch, Pearson Education, 2004
- 4. Object oriented programming with C++, E Balgurusamy, 2nd edition,
- 5. Programming with C++ D Ravichandran
- 4. Programming in C++ by John H Hubbard
- 5. Mastering C++ by K Venugopal, Rajkumar, T Ravishankar





Course Objective / Course Outcome

North Maharashtra University, Jalgaon T. Y. B. Sc. (Computer Science) (w.e.f. June -2017) UG-CS-323 Internet Programming using PHP Semester II

> Total lectures: 60 Total Marks: 90

| Unit - 1 Th | e Basics of PHP | L:16 M:24 | |
|-------------|---|-------------|--|
| 1.1 | Introduction to PHP | 2110 1.112 | |
| 1.2 | Features & Drawbacks of PHP, How PHP Works? | 4.5 | |
| 1.3 | Version of PHP | io | |
| 1.4 | Lexical Structure of PHP | 2 | |
| | 1.4.1 Structure & Syntax of PHP | | |
| | 1.4.2 PHP with HTML | | |
| | 1.4.3 Comments | | |
| | 1.4.4 Data Types and Variables | | |
| | 1.4.5 Operator | | |
| 1.5 | Flow Control Statements | | |
| | 1.5.1 Conditional Statements | | |
| | 1.5.2 Looping Statements | | |
| | 1.5.3 Exit, Return, Die, Include and Require Statements | | |
| Unit -2 Arr | ays, Function and String | L: 12 M: 20 | |
| 2.1 | Introduction to Array | | |
| | 2.1.1 Index Vs Associative Array | | |
| | 2.1.2 Multidimensional Array | | |
| | 2.1.3 Different array function in PHP | | |
| | 2.1.4 Traversing arrays, Sorting arrays | | |
| 2.2 | Introduction to Function | | |
| | 2.2.1 Defining and Calling a function | | |
| | 2.2.2 Scope of variables in function | | |
| | 2.2.3 Function Parameters | | |
| | 2.2.4 Returning Values from a function | | |
| | 2.2.5 Recursive Functions | | |
| 2.3 | Types of strings in PHP | | |
| 2.4 | Printing functions | | |
| 2.5 | Comparing strings | | |
| 2.6 | Manipulating and Searching strings | | |
| 2.7 | Regular Expressions | | |
| | ject-Oriented PHP | L: 12 M: 16 | |
| 3.1 | Introduction and Benefits of OOPs | | |
| 3.2 | Creating a Class | | |
| 3.3 | Creating an Object | | |
| | 3.3.1 Adding a Method | | |
| | 3.3.2 Adding a Properties | | |





L: 10 M: 14

L: 10 M: 14

Course Objective / Course Outcome

| 2 2 3 | Visibility | (Public, | Private | and | Protected) |
|-------|------------|----------|---------|-----|------------|
|-------|------------|----------|---------|-----|------------|

- 3.4 Constructor and Destructors
- 3.5 Inheritance (Extending a class)
- 3.6 Abstract classes, Final classes
- 3.7 Interfaces
- 3.8 Exception handling
- 3.9 Serialization

Unit - 4 Web Techniques

- 4.1 Introduction
- 4.2 HTTP Basics
- 4.3 Processing Forms
 - 4.3.1 Methods (Get and Post Method)
 - 4.3.2 Parameters (\$_GET and \$_POST)
 - 4.3.3 Self Processing Pages
 - 4.3.4 File Uploads
- 4.4 Maintaining State
 - 4.4.1 Cookies
 - 4.4.2 Sessions
 - 4.4.3 Combining Cookies and Sessions

Unit - 5 PHP with MySQL

- 5.1 Introduction to MySQL
- 5.2 Interaction between PHP and MySQL, PHP, PHP functions to manipulate MYSQL database
- 5.3 Error Checking
- 5.4 Execute DDL Statements
- 5.5 Execute DML Statements

References Books:

- 1. RasmusLerdorf and Kevin Tatroe, "Programming PHP", ISBN: 978-1-56592-610-3, O'Reilly publication, 2002
- 2. Dave W. Mercer, Allan Kent, "Beginning PHP 5", ISBN: 978-0-7645-5783-5, Wrox publication, July 2004.
- 3. W. Jason Gilmore, "Beginning PHP and MySQL",ISBN: 978-1-4302-3115-8, 3rd edition, Apress Publication.
- Ivan Bayross and Sharnam Shah, "PHP 5.1 for Beginners", ISBN: 9788184040753 SPD Publication 2007

Websites:

- 1. http://www.php.net.in
- 2. http://www.w3schools.com
- 3.http://www.tutorialpoints.com





Course Objective / Course Outcome

North Maharashtra University, Jalgaon S. Y. B. Sc. (Computer Science) w.e.f. June- 2016 Sem - II Paper - II COMP-222: Programming in C++

Unit 1 Function Overloading

(12L, 18M)

- 1.1 Basics of function and its need? returning objects from functions,
- 1.2 Inline functions, friend functions
- 1.3 Functions with default arguments
- 1.4 Function overloading, function overloading with arguments
- 1.5. Scoping rules & features of function overloading.

Unit 2 Operator Overloading

(12L, 18M)

- 2.1 Introduction to operator overloading, rules of operator overloading
- 2.2 Operator overloading:
 - 2.2.1 Unary and binary operators,
 - 2.2.2 Comparison, arithmetic assignment operator
 - 2.3.3. Overloading new & delete operators
- 2.3 Data conversion between objects and basic data types and vice-versa.

Unit 3 Pointers in C++ & Exception Handling

(12L, 18M)

- 3.1 Concept of pointer, pointer operator
- 3.2 Pointer to function.
- 3.3 Pointer and object, array of pointer to object
- 3.4 Exception Handling mechanism, Concept of try, throw and catch with example

Unit 4 Inheritance and Extending Classes

(12L, 20M)

- 4.1 Introduction to Inheritance
- 4.2 Types of Inheritance:
 - 4.2.1 Single level
 - 4.2.2 Multiple inheritance,
 - 4.2.3 Multilevel inheritance
 - 4.2.4 Hierarchical inheritance
 - 4.2.5 Hybrid inheritance.
- 4.3 Derived Class Constructors
- 4.4 Benefits of inheritance in C++
- 4.5 Virtual function, this pointer.
- 4.6 Abstract class, Pure virtual function.

Unit5 Templates & Introduction to Standard Template Library

(12L, 16M)

- 5.1 Basic of templates, Function templates, Class templates
- 5.2 Templates with multiple parameter
- 5.3 Introduction to STL,
- 5.4 Components of STL, Containers (Sequence, Associative & Derived)

Reference Books:

- Object oriented programming with C++, E Balgurusamy, 2nd edition,
- Programming with C++ D Ravichandran





Course Objective / Course Outcome

CS-203 Compiler Construction

Unit-1 Introduction to Compilers

[M:10, L:8]

The structure of a compiler, Phases of Compilation: the Analysis - Synthesis Model. Applications of Compiler, CompilerConstruction Tools.

Unit-2 Lexical Analysis

[M:15, L:12]

A simple approach to the design of lexical analyzers, Role of lexical analyzer tokens, patterns, lexeme, lexical errors, Specification of tokens, Recognition of tokens, lexical analyzer generator LEX, Regular expressions, Finite automata, From regular expressions to finite automata, Minimizing the number of states of a DFA.

Unit-3 Syntax Analysis

[M:25, L:14]

Context-free grammars, Derivations and Parse trees, Ambiguous grammar, Role of parser, typesof Parsers: Top down Parsing, Problems in top down parsing, recursive parsing, problems in recursive parsing, predictive parsing, error recovery in predictive parsing.(LL(1)), Bottom -up parsing, Shiftreduce parsing, Actions in Shift reduce parser, Operator-precedence parsing, its advantages and disadvantages, error recovery in operator precedence parser, LR parsers: Simple LR, LR (1), LALR parser.

Unit-4 Intermediate Code generation

[M:10, L:8]

Need of Intermediate code generation, three address code, Quadruples, triples, indirect triples and blocks

Unit 5 Code optimization

[M:15, L:10]

Need of code optimization, classification of code optimization techniques, and optimization within basic blocks:Folding, Redundant operation elimination. Withinloop: Strength reduction, Dead code elimination, Moving operation within block, out of block.

Unit 6 Symbol Table Organization

[M:15, L:8]

Methods of organizing symbol table: Unsorted, sorted symbol table, Binary Search, hashing technique, its advantages and disadvantages, Collision resolution techniques: Rehashing, Chaining.

Réferences:

1. Alfred V. Aho, Monica S. Lam, Ravi Sethi, Jeffrey D. Ullman, "Compiler Principle, Techniques and Tools", 2nd Edition illustrated, ISBN: 9781292024349, Pearson Addison

2. William A. Barret, John D. Couch, "Compiler Construction Theory and Practice", Computer

Science Series, 1979, ISBN: 978-0574213358, Asian Student Edition.

3. Dhamdhere D. M., "Compiler Construction Principle and Practice", 2002, ISBN:

9780333904060, McMillan India. 4. David Gries, "Compiler Construction for Digital Computers", 1st Edition, 1971, ISBN:

9780471327769, Wiley.

5. David Galles, "Modern Compiler Design", 2nd Edition, 2009, ISBN: 9788131709412, Pearson Education.





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Lecture Planning (Teaching Plan)

| Cla | iss: T.Y.B | | Division | imputer fided Graphic |
|-----|-------------------|----------------|--|---------------------------------------|
| Sr. | ctures Required a | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | 18/06/18 | 01 | The origin of Computer Grapheics | Introduction |
| 2 | 19/06/18 | 02 | Passive of Interactive CG. | Tapes of CG |
| 3 | २बन्ध १८ | 0 | Rizel Resolution, Aspect Ratio. Refresh Rate. Intensity | Rosic Refns |
| 1 | 26/06/18 | 04 | Display type: Randon & Raster | Display Types |
| 5 | 27/06/18 | 05,06 | Applications of Grapuler Graphics, Goodinate Systems | Applies of CG |
| 6 | व्यवि।।८ | 24 | Inferties of line drawing theremental systems | chares of line |
| 7 | ७ वि ।८ | 68 | The dimple ODA | Simple RDA Atgeri. |
| 8 | 04/04/18 | 9.10 | The Symmetrical ODA Bresentians Afgrothems | Symmethical DDA Afge. & Bresenhams |
| 9 | जीव।।८ | 11 | transformation Ginciples | Poars formation. |
| 0 | ।विद्याह | 12 | Mattix Representation Transformation | Mattix Transferm |
| 1 | 11107116 | 13 | Pronofernation in Viewing | |
| 2 | 16/04/18 | 14,15 | The Remodice O | Viewlug Transfo |
| 3 | 17/9/18 | 16 | Line-clipping Algorithm | Perspective Transfor |
| 4 | 18/9/18 | 17 | -A:1 O | Often Statteerland |
| 5 | 23/9/18 | 18,19 | Rolygon clipping | Mid- Mint Subdip. |
| | Si- Britis | | 10 mkking | Retygon Clipping A |



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Lecture Planning (Teaching Plan)

| | ctures Required as | | | mpeter make displete |
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| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | 24/07/18 | 26 | Viewing & windowing Pransform | Viewing & windowing |
| 2 | 06/08/19 | 21, 22 | 8-p clipping | 3-0 clipping Gulerd |
| | 01/08/18 | 23,24 | About Roster Graptico f Ootid Area Scan Conversion | -Abord San Gurersia |
| | তপ্তাত্প।৪ | 25,26 | acan Converting line drawings | line drawlings |
| 5 | 13108/18 | 27,28 | Scan Converting Polygons Coherence | Totygon Cherones |
| 6 | 14/08/18 | 29,30 | CYX) Atgoritherns of object space | CYX) Atgesittens |
| 7 | 20/08/18 | 31,32 | Image apace Agnothers. | Image space |
| 8 | 21 108/16 | 33,34 | Hee Deptte Buffer Algorithm. | Depthe Breffer & War. |
| 9 | 4109118 | 35,36 | Examples on line dipping Ago. | line clipping Algo. |
| 10 | 81160/11 | 37,38 | Examples on Transformation | Transformation |
| 1 | 1 25/09/18 | 39,40 | Compare Refrest is Random Scan display. | Comparision |
| 1 | 2 4/10/18 | 41,42 | solved ayestion lakes | Test textorials D. 4 cample auestian rates |
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Lecture Planning (Teaching Plan)

| 31 | Class. | 6.3c. | | ogramming With C++.I |
|----|-------------------|----------------|---|--|
| | Lectures Required | as per the Syl | labus | |
| Si | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | व्योक्ता १८ | ব | structure oriented Vs 00P - | Struebure 1/3 oups |
| 2 | क्षाविशिष्ठ | 02,03 | C++ Structure, Keywords 10 | C++ Basics |
| 3 | र्व । वा । ४ | 04 | Dato types in C++ operators | Data types |
| 4 | 12/9/118 | 05 | Manipulations in C++ | Manipalators of |
| 5 | 811 व्यव्ध | 06,9 | Access specifiers, cass Prember, Static data Plember | Aceess specifiers |
| 6 | 1410मा १८ | 9 | Member function, In lost class definition, Creating objects | Member function |
| 7 | 1919118 | 09 | Passing objects as an argument | Rassing object as mu |
| 8 | 20/07/18 | 10,11 | Premosy allocation Static data Prembers | Allocation & Deallow tion of Hemory |
| 9 | २।१०१।१८ | 12 | constructors Constructors | Constructors |
| 10 | १६१व११४ | 13 | Restrictors teels of orp | Destructors |
| 11 | 297118 | 14 | Concept of Ginter, Ginter operator | Consequet of Rointer |
| 12 | 03/08/18 | 15,16 | Notater to function | Rointer to function |
| 3 | 64/08/118 | 17 | Arrow of Thinter to object | Array of Rojenter |
| 4 | 09/08/18 | 18 | l'éloter & object | Painter of officed |
| 5 | 10/08/18 | 19,20 | function of Need Returning objects from function | Need of function |
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Lecture Planning (Teaching Plan)

| | | Y. 15.9c. | Division Subject: | gramming with cor. I |
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| | ctures Required a | s per the Syllab | ous | |
| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | 11/08/18 | 21 | Inline functions, friend functions | Inline of thrend func |
| 2 | 16108118 | 22, 23 | function with default type. function overloading | function with default |
| 3 | ।প্ৰতপ্ত।। | 24 | function overloading with argu. | function or extrading |
| 4 | 43/08/18 | 25,26 | Scoping reles of features of function overloading | Scoping rules of feature |
| 5 | 24108118 | 27 | Introduction to operator overloading | operator Netonding |
| 6 | 30108118 | 28 | Review of operator overloading | Revies of operator over |
| 7 | 31/08/18 | 29,30 | Unary & Binary operators | Unay Binay operators |
| 8 | ०।/०९।।८ | 31 | overloading operators: new f | nen f delete operators |
| 9 | G109118 | 32,33 | overloading Compartsion | Next ording Gupa. |
| 10 | 97/03/18 | 34 | Data Conversion between objects & Rasic Data types | Qata Conversion |
| 11 | न्द्राज्य।।४ | 35 | Arithmetic assignments operator | Arithmetri Assign. |
| 12 | 14/09/18 | 36 | Test Tutorial | Test tutorial and. |
| 13 | 15/09/18 | 37,38 | Gayle co+ Krygrams | C++ Programs |
| 14 | 21/09/18 | 39 | Aboret C++ 16inter | Aboved CP+ Portuler |
| 15 | 22103118 | 40,41 | Sample Engrans on C++ Vointer | Sample Pgms. |
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| | Class: T.Y.T. Sc. | | 34 | | | 1 | V | | | | 20 | | - 37 | S | ubje | ct: | 60 | pal | er / | Hda |
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| 108 | Patel Indroject D. | | p | p | P | P | þ | p | p | p | p | p | P | PF | 1 4 | 1 | F | P | þ | 1 |
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| 145 | Koli Roshani Babha | Kar | p | P | A | 6 | p | p | | | | PP | 1 | - | | 1 | P | | p | p |
| 158 1 | Patil Jayaskui Anand | roo | p | p | P | p | | - | - | p | - | PI | | 1- | + | + | PA | +- | p | P |
| 171 | Bati Valsbravi Togelis | H | PI | p | n | - | - | 1 | | P | | PP | - | 1 | - | p | - | 1 | - | P |
| 2 of J | Tadtar Pustipak R. | | p | PI | | | | - | | PF | | p | Þ | 1 | | 1 | þ | P | p | p |
| 211 | Matajan Bhupendra s | 3. | PI | 3 | | | | 1 | | - | - | PK | | - | 1 | +- | 1 | P | - | p |
| | atil Rudeita Yurraj | | - | P | - | | | - | '- | ' | PF | - | p | | P | þ | p | p | . 1 | q |
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| , | P | Þ | p | P | P | þ | P | P | p | P | b | B | P | | P | | P | p | P | þ | P | Þ | P | P | P | p |
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| Roll No. | Class: T.Y.ららん. Name of Student | Date | 18/15/18 | 1916118 | 296118 | 3117175 | 2716118 | 811112 | B17118 | 811416 | 811118 | - | - | - | - | - | 200 | 81/1/18 | 81/8/20 17 | - | 3 |
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| 17 | chaudhair Sinelba C. | | P | p | p | P | P | P | P | _p | P | P | LP | LP. | P | P | 12 | P | P | P | P |
| 18 | Patil H. B. | | þ | p | P | P | þ | p | P | P | P | P | P | P | P | P | P | P | P | P | P |
| 39 | Patil tebuirai R. | | þ | p | þ | p | p | þ | P | P | þ | P | P | P | p | p | P | P | P | P | P |
| 17 | Talkale Surayana 1 | ۹. | p | þ | P | P | P | þ | P | P | P | p | P | P | p | p | P | P | P | P | P |
| 23 | Marathe Madhuri M. | | p | þ | þ | P | þ | þ | þ | P | A | p | þ | F | p | þ | P | P | Þ | p | p |
| 24 | Marattee Rudeita N. | | P | þ | A | p | þ | þ | p | p | Þ | p | P | þ | þ | p | P | P | Þ | P | P |
| 64 | More Vingyak &. | | P | P | Þ | p | þ | þ | p | p | p | P | þ | P | þ | Þ | p | p | P | P | p |
| 70 | More Unjest 2. | | Þ | P | þ | P | 9 | P | p | p | b | ρ | Þ | þ | þ | þ | P | p | þ | P | Þ |
| 77 | Patil Havita P. | | p | þ | þ | þ | P | P | þ | P | þ | P | A | p | þ | þ | P | p | þ | b | þ |
| 23 | Bhamare Kupadini R | ?. | þ | þ | þ | P | þ | þ | þ | þ | p | P | P | p | | þ | þ | þ | þ | p | b |
| 14 | Nikumbh Kajal s. | | þ | p | b | A | A | | P | p | b | p | Þ | | | Þ | P | Þ | P | + | b |
| ₹5 | More Nikita K. | | P | þ | þ | | | þ | p | p | þ | - | þ | | | b | | b | P | 1 | b |
| 26 | Patil Rallani A. | 1 | þ | þ | þ | þ | Þ | b | 0 | - | P | 1 | b | р | P | P | p | 1 | , | b | b |
| 39 | Mali Jayesh S. | | þ | þ | Þ | 6 | 0 | Þ | 1 | P | P | P | b | p | b | D | þ | D | P | | 1 |
| 29 | Patil Elbanasteri R. | -1 | p | þ | þ | b | | P | 1-1 | | -1-1 | - | b | P | p | Þ | P | þ | | | P |
| 45 | Patil Mayuri P. | | þ | þ | Þ | þ | | | 5.1 | | þ | p | P | | - | þ | P | - | . | - | P |
| 65 | Mali Macoleindra c | | p | þ | Þ | | | þ | | þ | | p | þ | . 1 | 1 | | - | 1 | - | P | |
| 75 | | | _p | P | Þ | | p | | P | . 1 | b | 2 | b | P | P | P | P | P | PI | - | PF |
| 77 | Jadhar Bipali R. | | Р | þ | Þ | Þ | | P | Þ | þ | - | P | 1 | - | | . 1 | P | .+ | | | PI |
| 90 | Patil Harish R. | | Þ | þ | Þ | þ | P | • | p | | | Þ | P | . 1 | P | | P | P | 1 | | P |
| - | Notkar Roslean s. | | þ | p | P | þ | P | | . 1 | | þ | - | þ | - | P | 1 | P | | - | PH | |
| 18 | Patil Madeuri V. | | p | Р | p | p | Þ | þ | P | | P | P | - | - | - | | P | | P | PH | P |
| 71 | Makale Tejal the | gy | P | p | p | þ | b | | þ | . 1 | þ | - | P | | | P | P | P | PH | PI | 2 1 |
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| 2 | Jodhw dalyon B | | P | þ | þ | þ | p | -1- | - | | | 1 | P | | P | | P | PI | 2 | PP | |
| 4 | Patil Rabal oxailas | | P | p | p | - | - | þ | - | þ | 4 | | P | p | P | P | P | PI | 2 | PI | b |
| 6 | Pati Shrublean stran | 19 | b | p | þ | P | | P | - | | | P | P | ' | P | P | P | P | þ | P | p_ |
| 6 | Steurne Yamini Sani | ay | p | | p | þ | - | - | P | | | - | 2 | P | P | A | p | pi | 2 | p 1 | PE |
| a | Patil Vijay Bhagwa | 1 | | Þ | | P | - | - | - | | | P | P | p | P | P | P | 1 | 2 | pp | 1 |
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| | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
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| | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | p | P | P | P | P | P | P | P | P | P |
| | P | P | P | P | P | P | P | P | B | P | P | P | P | P | P | P | P | A | P | P | P | P | p | P | P | P |
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| | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 6 | P |
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| | P | P | p | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 9 | P | P | P | 9. | P | P | P |
| | p | P | P | P | 'n | e | 0 | P | P | p | p | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A |
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| | ja | P | p | P | P | P | P | p | P | P | P | P | P | P | P | P | P | P | P | <u>p</u> | p | P | P | P | P | P |
| | P | P | P | P | P | P | P | P | P | P | P | P | P | r | P | P | P | P | P | 1 | P | P | P | P | P | P |
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| Roll No. | Name of Student | Date | 18/6/18 | \$1/913 | 396/18 | 26/6/18 | 811912 | 211/18 | 31118 | 417118 | 811118 | 8/1/1/91 | 8117111 | | 811114 | 181718 | | | 618118 | 7/8/18 | 811818 |
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| 60 | Patilstructa Vijay | | P | P | F | P | P | A | P | P | P | P | P | P | A | P | P | P | P | P | P |
| 84 | | | P | P | - | P | P | P | A | P | P | P | p | P | P | P | P | A | P | P | 10 |
| 92 | Patil Vualant A. | | A | P | P | P | p | P | p | P | p | P | P | p | D | P | P | P | A | 0 | |
| 48 | Patil Visted N. | | P | P | P | P | P | P | | | 1 | P | P | | | | | - | | 1 | P |
| 19 | Ratil Trajalla dear | Palal | P | A | P | P | 0 | P | 1 | 5 | - | 1- | P | Š | Ŀ | <u></u> | P | P | P | P | A |
| 20 | Rowar Bleggyasteri V | | P | P | P | 1 | 1 | 1 | A | 12 | | P | - | P | P | L | P | P | LP | P | P |
| 06 | Patil Truly A. | | 9 | 1 | -4- | K | A | - | P | P | P | P | P | Р | A | P | P | P | P | P | P |
| | Raiput Szuroit Book | aela | | A | P | P | P | P | P | P | P | P | P | P | P | P | A | P | p | P | P |
| 3 | steaith Altanoash & | L | P | P | A | P | P | P | P | P | P | P | A | P | P | P | P | P | P | p | P |
| 4 | Rutil Bitam Deepal | apeur | P | A | P | P | P | P | P | P | P | A | P | p | P | P | P | p | p | p | P |
| 6 | Sonavare Porton 3 | 6 | P | P | P | P | A | P | P | P | P | P | P | P | Ð | P | P | P | p | 0 | p |
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| 2 | Sisode Rua Servil | | P | P | P | p | A | P | 10 | P | P | A | - | - | P | -+ | P | P | P | P | P |
| 4 | SWOOK WAS SOND! | | P | P | P | P | 0 | P | A | P | P | P | | \ | 1 | P | P | P | P | P | P |
| 6 | Sonat osovsika Kail | عه | P | A | P | P | P | P | P | 1 | P | 4 | 1 | - | P | P | P | P | PI | P | P |
| 7 | The transfer of the second | ander | p | P | P | A | P | P | P | -1- | 5 | 3 | P | 21 | A | P | A | 12 | P | P | A |
| | District delay | | p | P | A | 0 | P | | ++ | -41 | - | 1 | P | P | P | P | P | P | P | p | P |
| 39 | | 3 | P | 1 | | A | P | P | ++ | P | P | A | P | 9 | P | P | P | P | p | P | p |
| 6 | Thakare Olagar D. | | P | P | 0 | 0 | 0 | 7 | 12 | P | A | P | P | P | P | P | n | p | 7 | | 0 |
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| | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | | 46 |
| (| P | P | 10 | P | 2 | P | P | P | P | P | p | P | p | A | p | p | 10 | 77 | P | A | P | p | P | P | P | P |
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| 9 5 | P | b | A | P | P | P | P | P | P | P | P | 7 | P | P | A | P | p | P | P | p | P | p | P | P | P | P |
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| 149 | Bhangar Girist Rondu | , ` | P | P | P | P | P | P | P | P | P | 1 | f | P | P | 1 | P | A | P | P | P | P | P |
| 148 | chaudhair Barrod C. | | P | p | P | 7 | P | P | P | P | P | P | P | P | P | | P | P | P | 9 | P | P | P |
| 324 | Borase Abubleam &. | | P | P | P | P | P | P | A | P | P | P | P | P | P | 1 | P | P | P | P | P | P | P |
| 61 | cheaudheair Jujes R. | | P | P | P | P | P | P | P | P | P | P | P | P | P | 1 | P | P | 0 | P | A | P | P |
| 252 | Kleonde Raher 3. | | P | P | P | P | P | P | P | P | P | P | P | P | A | F | 0 | P | P | P | P | 1 | P |
| 28 | Pawar Sigar A. | | P | P | A | P | P | P | P | P | P | P | P | P | P | 6 | 7 1 | 2 6 | , | P | P | P | P |
| 32 | sisodiya Harshodo Y | | P | P | P | P | P | P | P | P | P | P | A | P | P | F | 1 | F | , | 0 | P | P | P |
| 31 | Saner doual v. | | P | P | P | P | P | P | P | P | P | P | P | P | P | A | F | | PI | p | P | P | P |
| 309 | Patil Vruskali Dinest | | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 1 | + | - | - | - | P | D |
| 4 | Koci Olipali R. | | P | P | P | P | P | P | A | P | ρ. | P | P | P | P | P | P | + | 1 | - | - | , | P |
| _ | Patil Reklea V. | | P | P | P | P | P | P | P | P | P | P | P | A | P | P | 1 | +- | , , | + | + | P | P |
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| श्र | Patil Ababaugi B. | | P | P | P | P | P | P | P | P | P | p | P | P | P | P | F | 0 | + | + | - | 4/ | P |
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| | Rajput Neka Y. | | P | P | P | P | P | P | 4 | P | P | P | P | P | 9 | P | P | +- | + | + | - | 1 | P |
| _ | atil Kalyani N. | | PI | > | Pf | 2 | | - | - | - | | P | P | P | P | - | P | + | - | + | + | - | - |
| 3 8 | over Ajny skankar | | PI | A | PI | - | - | - | -+ | - | _ | P | ρ. | | p | P | +- | P | + | F | + | + | - |
| 36 \$ | Kei Paukaj tskok Kaudkari Kalpesti N. | | F | | P | _ | | - | 7 | - | - | - | P | p | P | P | P | +- | +- | - | 1. | A | - |
| 9 0 | Haudkari Kalpest N. | | P | - | - | - | - | PF | - | P | - | - | - | - | P | | P | - | +- | - | 1 | P | |
| 71 F | awata Gendya K. | | P | - | PF | - | | - | _+ | - | - | - | P | PP | P | P | P | P | F | P | - | P | 7 |
| 5 c | raudhan Snehal Jagdisl | + 1 | _ | _ | _ | _ | - | PP | | - | - | - | - | - | P | P | P | P | P | | P | - | _ |
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Cheet (Theory / Practical/Tutorial)

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| 34 | Chaudkwi Latika R. | 1 | P | P | P | P | P | P | 7 | P | | P | P | P | | - | P | P | P | 0 | P |
| 135 | Sharsar Astrini M. | | P | P | P | P | P | P | 1 | P | P | - | - | - | | | - | - | - | - | A |
| 36 | Gustury Karya 3. | 1 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | þ | P | PP |
| 138 | Patil chandrakaut D. | 7 | P | P | A | P | p | P | P | P | P | P | P | P | 12 | P | A | P | P | P | PP |
| 144 | charau Manoj 7. | 1 | P | P | P | P | P | P | A | P | P | P | P | p | P | P | P | P | P | P | PP |
| 145 | landge Vaiblear M. | 7 | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | A | PP |
| 187 | Patil fishwaya V. | 1 /4 | P | 9 | P | P | P | P | P | A | P | P | P | <u>P</u> | P | P | P | P | P | - | P (|
| 228 | sisdiya shveta P. | | P | P | P | P | P | A | P | P | 1 | P | P | P | P | P | P | P | P | P | A |
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| 246 | Patil Harshada R. | 1 1 | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | PH |
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| 319 | Mali Penan S. | 1 1 | P | ρ | P | P | P | A | P | P | P | P | P | P | P | P | P | P | A | 1 | P |
| 582 | Jodlean Yunny N | | P | P | P | P | P | P | P | P | A | p | P | P | P | P | P | P | P | P | P |
| 198 | Girase Gopal V. | 7 | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P |
| 79 | Btil Drishau A. | T | P | P | P | P | A | P | P | P | 4 | P | P | P | P | P | P | P | P | 1 | PF |
| 95 | Sonawane Ingreti V. | -0 | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P |
| 137 | Rappet Biyanka V | * | P | P | p | P | P | P | A | P | A | P | P | P | P | P | P | P | P | A | P |
| 139 | Ritil Rellars 5. | 4 | P | P | A | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P |
| 154 | Sonavare Visteali 3. | 1 | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P |
| 174 | Savale Ting V. | 1 | P | P | P | P | P | P | P | P | A | P | - | A | P | P | P | P | - | P | P |
| 175 | Borse Biyanka A. | 7 | P | P | P | P | A | P | P | P | P | P | P | - | - | - | P | P | P | P | P |
| 183 | Quari friza Tetruin | J. | P | P | P | P | P | - | - | - | - | | P | P | P | P | - | - | <u> </u> | 1:- | P |
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| 216 | Borse Bhupendra 4. | 19 5 | P | P | P | - | A | P | P | P | P | P | P | P | P | P | P | P | P | 1 | 10 |
| 233 | Genavaux Himanski | s. | P | A | - | P | 10 | P | P | P | A | P | P | P | P | P | P | P | P | P | 10 |
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Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------------|----------|---------------------------------|---|-----------------------------------|--------------------------------------|
| Monday 18 / 66 /2018 | TYB& | . Computer Aided Graphics | The origin of computer Graphics Interactive Computer Graphics | Bazics of Computer Graphics | Computer Graphics By Rogers |
| Tuesday ¶/ | 1.1,080. | Computer Aided Graphics | Interactive Computer Graphics | Types of Computer Graphics | _n _ |
| Wednesday | | Computer Aided Graphio | Display Devices Random & Raster Devices | Display Devices | -11- |
| 106/2018 5107/18- | sy BSc | Programming in c+t & | Structure oriented us oops | comparative Anyalysis | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|--|-------|----------------------|-------------------------|-------------------------|---|
| Thursday が /ク /2018 | SYBSc | Programming in C++-I | Characteristics of pops | characteristics of oops | Mastering in C++ By K. Venugopal |
| Friday 76 /07 /2018 | sybsc | Programming in C++-I | e++ structure of C++ | C++ structure | —n— |
| Saturday 76 /07 /2018 77 07 18 | SYBSc | Programming in c++-I | Key words in c++ | Keywords | 71- |
| Remarks | | | | | |

Sign. of Teacher



SYBSC

THE SHIRPUR EDUCATION SOCIETY C. PATEL EDUCATIONAL TRUST

Sign. of HOD / Vice Pr

Lecture Detail Month Frine - 18 / July Day & Class Subject Syllabus Planned Syllabus Covered Demetits &? Computer Computer Comparative Analysis of TYBSc Monday Graphics Merits of racke Aided Display Devices 26/06/2018 By Graphics Rockers Pixel Resolution, Aspect Basic Computer TYBSc Tuesday Definitions Ralio frame Buffer, Mided 7/06/2018 Graphics Bandwidth TYBSC Di offerentiation between Comparative Analysis with an Example Computer Computer Graphics Types Aided Graphies Wednesday 27/02/2018 Programming in C++-I

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------------------|--------|-------------------------|-------------------------------|---------------------------------------|---|
| Thursday 1 / 9 /2018 | SYBSc | Programming In C++-I | Data types in c++ & operators | Data types in C++ g operators | Mastering in C++ By K. Venugopal |
| Friday 9 <i>/0</i> 7 /2018 | SYBSc | Programming in C++-I | Manipulators in C++ | Manipulators | _11— |
| Saturday 12/07/2018 | 6YBSc | Programming in C++-I | class objects | Introduction to class & Objects | -u- |
| Remarks | (al) A | č. | | | |





Lecture Detail

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| Monday の /ツ /2019 | 7YB& | Computer Aided Graphics | Applications of Computer Graphics | Enlist Applins of Computer Graphics | Computer Aided Graphics Rogers |
| Tuesday 2 /94 /2018 | TYBSC | Computer Aided Graphics | Co-ordinate system | About Co-ordinal system | te -u- |
| Wednesday | | Computer Ai ded Graphics | Incremental system | Asout line drawing system | 71- |
| 19 12018 0H18 - | sybsc 1 | Programming in | Access specifiers, class nembers | Access specifiers and class Members | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------------|-------|----------------------|---|---|------------------------------------|
| Thursday 13/9/2018 | SYBSC | | Static data Member | Static Dala Member | Mastering in C++ K. Venugopa |
| Friday 4 /97 /2018 | SYBSc | Programming in C++-I | Member function: Input class definition | Member function Infort class definition | 1-11- |
| Saturday 4 /07 /2018 | | Programming in c++-I | Creating objects | Creating objects | -/ |
| Remarks | 1 - 1 | | | | |

Sign. of Teacher





Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|--|---------|----------------------|---|------------------------------|--------------------------------------|
| Monday गु/कु /2019 | | Computer Graphics | The simple DDA algorithm | DDA algorithm | Computer Graphics By Rogers |
| Tuesday | TYBSc | Computer | The symmetrical DDA | symmetrical DDA algorithm | -w- |
| /ednesday / <i>og</i> /201명 다(18 | SYBSc 1 | graphics | Bresentiam's Algorithm Trasformation Principles & Matrix Representation Passing object as an argument | Bresentiams Algorithem | -u- |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|---------------------------|-------------|------------------------|---------------------|---------------------------|-----------------------------------|
| Thursday 19/9/2018 | syssc | Programmig in C++-I | Army of objects | Amy of objects | Mastering;n C++ By K Yenugo |
| Friday 20/07/2018 | SYBSc | Programming in C++-I | Memory astaration | Memory allocation. | |
| Saturday 20 /07 /201 8 | sybsc /1 | Programming in C++-I | Static data members | Static data members | |
| Remarks | 78 113 | | | | |

Sign. of Teacher





Sign. of HOD / Vice Principal

Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|---------------|---------|-------------------------------|---|---|--------------------------------------|
| Monday | түвѕс | Computer Aided Graphics | Transformation Principles Concatenations | Principles of Transform & Concentenations | Computer Graphics By Rogers |
| Tuesday | | Computer Aided Graphics | Transformation in Viewing | Viewing Transformation | -u- |
| Vednesday | | Computer Aided Graphics | Example & Equation Transform in viewing | Virewing Transform | , —u— |
| 19/18 | SVBSC ! | Programmiy in C++-I | Constactors | Constructors | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|---------------------|-------------------|-------------------------------|-------------------------------|---------------------------------|--------------------------------------|
| Thursday | Syrsc | Programming in 4+-I | Types of Constructors | Types of Constructors | Masteringin C++ |
| Friday 26/9/2018 | sybs _c | Programming in C++-I | Destoutors | Dest-ructors | K. Venugopal |
| Saturday / /201 | TYBSO | Computer Aided Graphics | The perspective Trasformation | , Perspective transformation | Computer Graphics By Rogers |
| Remarks | 1827-1 | 3 | | | |





Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|---|-------|--|--|--|--------------|
| Monday 6 /67 /2018 | - 1 | Computer Aided Graphics Programming in C++-I | Perspective transform Eqn an example Benefits & Applys of oops | Perspective Transformation Benefits of | -11- |
| T uesday | SYUSC | Programming | Concept of Pointer | Concept of Pointer. | × |
| ednesday S | SYBSC | Programming in C++-I | Pointer operator | Pointer Operator. | <i>f</i> . 1 |

Lecture Details

| ўвsc | Computer Aided Graphics | Conen-Sutherland Algarithm | Lîne Algorithm | Computer Graphics Rogers. |
|-------|-------------------------------|---|--|--|
| TYBSC | Computer Aided Graphics | Cohen-Sutherland Algorithm | CO-SU. Algorithm | <u></u> |
| | Graphics | Mid-Point Subdivision | Mid-Point Subdivision Algo | -11- |
| >7BSC | in C++ - I | Pointer to Function | Pointer to fun. | |
| | TYBSC YESC | Tybsc Computer Aided Graphics Tybsc Computer Aided | Type Computer Conen-Sutherland Aided Algorithm Graphics Mid-Point Subdivision Graphics | Type Graphics Computer Aided Graphics Mid-Point Subdivision Mid-Point Subdivision Algo |

Sign. of Teacher





Lecture Detail

| Day & Date | Class | Subject | From Syllabus Planned | Syllabus Covered | References |
|--|-------|-------------------------|--------------------------------|---|------------------------------------|
| Mond ay , / ₀ % /2018 | Sy@sc | w C++-I | Example Pointer to fun | Pointor to | Martering in C++ of |
| T uesda y / ₀₈ /2018 | 576SC | Judianning | Amoy of Pointers to object | Array of Pointeros | —n — |
| Vednesday / タ /201% | Тувѕс | Computer Aided Graphics | Mid-Point Algorithm an example | Algorithm - Mid-Point Subdivision | Computer Graphics by Rogers. |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|---------------------------------------|-------|------------------------|--------------------------|--------------------------------|-------------------------------------|
| Thursday 3 / ⁶ 7 / 2018 | | ATOED Uraphi, | Polygon Clipping | Clipping & Polygon clipping | <i>→</i> 11 <i>—</i> |
| प् <u>व</u> ी०४।। ४ | Sybsc | Programming in L++-I | Array of Pointers | Array of Pointors | |
| Friday 76/ 08/2018 | Sybsc | Programming | | Pointer of object | Mastering in C++ K. Venugopas |
| Saturday | SJBSL | Programming in C++ - I | Examples: Pointer object | Pointer & Object | -11- |
| Remarks | J. 1x | | | 1 | 1 |

Sign. of Teacher





Lecture Detail

| Month | freq -1 | | Syllabus Planned | Syllabus Covered | References |
|-------------------|---------|--|--|--|--------------------|
| Day & Date | Class | Subject | | Clipping | Comp uter |
| Monday | Typasc | Computer Aided Graphics | About Clipping Types | Company | Graphics Rogers |
| /9 /2018 Tuesday | Tylasc | Computor Aided Graphics | Vewing Transformation | Viewing Transformation | <i>—</i> 1, — |
| | (| Demputer Arided Graphics Programming in C++- | Viewing Transformation with an example Need of function | Viewings Transformation Need of Junction | -1,- |

Lecture Details

| Day & | Class | Subject | . Syllabus Planned | Syllabus Covered | References |
|-----------------------------------|--------|----------------------|--|------------------------|--|
| Thursday | 84052 | Programming in CH-I | Function Need Returning objects from function. | Importance of function | Mastoring in Ctt by K. Venugopan |
| F riday \ / &%/2018 | 54'BSC | Programming | Inline functions | Inline function. | —/ <i>1</i> — |
| Saturday | Spesc | Programming in C++-I | Friend Function | Function | -11- |
| Remarks | | | | | |





Lecture Detail

| Month | | Subject | Syllabus Planned | Syllabus Covered | References |
|-----------------------|-------|-------------------------------|------------------------------|------------------------------|---------------------------------------|
| Monday Ob/os/201g | TYBSC | Computer | The Windowing Transformation | Windowings Transfn. | Computer Graphics By Rogers. |
| Tuesday | Тувес | Computer Aided Graphics | Windowing & Egns | Windowing, Transformation | |
| Wednesda y | Typsc | Computor Aided Graphics | 3-D Clipping | 80 clipping) | _1, |
| /08/2013 | STBSC | Programming) In C++ - I | function with défauts org. | friwith arg. | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|--|--------|----------------------|--|----------------------------|--|
| Thursday | શેક્ષર | Programming. | function Overloading | Function Overloading | Mastoring ir Cff- by K-Venugopal |
| F rida y 6 / 0% /2018 | Sybsc | Programming, | function overloading with arguments. | Overloading with | -1- |
| Saturday | क्षकर | Programming in c++-I | Example: Function overloading with arguments | overloading with arguments | in |
| Remarks | | | | | |



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Lecture Detail

| Month Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------|-------|-------------------------------|--------------------------------------|-----------------------|---------------------|
| Monday 13/o§/201 | Typsc | Computers Computers | San Converting line Drawing, | Sean Conversion | Graphics By Royers. |
| Tuesday /c% /201% | Tyesc | Computer Aided Graphics | Algorithm Scan converting. | San | -11- |
| /ednesday | MBsc | Computer Atded Graphics | Scan converting Polygon Coherence | Polygon Coherence. | -11- |
| /og/2018 | STBSL | Programming | | A 1 -0 | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------------------|----------------|----------------------|---|------------------------------------|-------------------------------------|
| Thursday 23/68/2018 | 22st/8 | Programming. | Rules of operator overloading | operator over- loadings | Mastering in Ctt By K. Venvgopa) |
| Eriday 25/08/2018 24)08/20 8 | 8 78 5C | Programming in Ctt-I | Rutes of operator overloading, Features of open. over. | Operator over- loading rules | -11- |
| Saturday / /201 | | 1 | | | |
| Remarks | | | | | |

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Sign. of HOD / Vice Principal

Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | |
|-----------------------|-------|---------------------------|-------------------------------|------------------------------|-----------------------------------|
| Monday (6 /08/2019 | TYBSC | Graphis | Coherence algorithem | Scan Coherence algenithen | Compater graptics by Rogers |
| Tuesday '08/2019 | 1 | Compater Aided Gaptis | CYX) tigenitien | Algersithem - (7x) | |
| Vednesday しる。/201日 | SYBYR | lingramming 10 C++ - I | osing Vnay & binary operators | many of Binary | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|----------------------|-------------------|-------------------------|------------------|------------------|------------------------------------|
| Thursday | 5YBS _c | Poogramming in C++.I | Binary operators | Binary operators | Mastering in |
| Friday /0-9/2018 | ⁵ 7B% | Thogramy 10 | new operator | operator: new | -11_ |
| Saturday (cr) /2018 | STBZ | Programmy in CA+-I | Delete operator | operator: Relete | Mastering in GHA by K. Venugopal |
| Remarks | 1 1 -61 | 9F (| | | |



STBR

C++- I

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Analyris

Mastering Go

by K. Verugopal

Aug-/sept-18 Month_ Day & Date Syllabus Planned Class Subject Syllabus Covered References Afgeritten Compater Compositer Mided MBSC - Object Space Grapteres by 21/08/2018 Afgorithers Graphers - Doge space Roggers Compositer TYBS The Depth Buffer Agostlem Depthe Buffer Aided algeritten Grapher 21/08/2018 Programy \$0 SYBSE G++- I Algoritten Warnerkie Compreter TYBS Damorks Aided Graphus algeritter 4/09/2018 Chogmum io

Lecture Details

overloading Comparsian

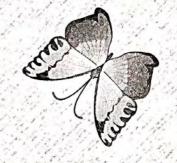
| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|--------------------------------------|--------|--------------|--|---------------------|----------------------------------|
| Thursday 36 /cg /2018 36 /cg /2018 | sүცղ | Programmy in | Data Conversion between Batin Pata types | Rata Gwersi'an | Mastering Got by K. Venugopal |
| F riday 08/09/2018 | ક્યકન્ | Program in | Arithemetro assignment operators | Assignment operator | -P1 |
| Saturday / /201 | | | | | |
| Remarks | | J | | | .1 |

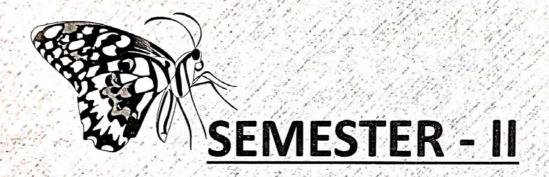




Practical Plan (Batch wise)

| Sr. | nber of practical as per syllabus: Actual Number of practical conducted: Name of Experiment | Planned Date | Actua Date |
|-----|--|-----------------|---------------|
| No. | each Elex Diagram of Gupzeler, Display flag of India | | |
| 2 | oran frondeart / OFD / E-R Ringram | | |
| 3 | Bresenteans line drawing algorithm, Grele | | |
| 4 | RDA line drawling of Proansformation | | |
| 5 | Gleen Sulfertand line clipping algorithms | | |
| 6 | Noite a VB. Net Fingram to demostrate array | | |
| 7 | window based applications to find it and of there and | bets | |
| 8 | - to find factorial of given no. | | |
| 9 | window based Amstrong numbers, Exception Hand. | | |
| 10 | VB . NET Constructor & Bingle Inheritance | | |
| 11 | Interface 4. Rotymorpheison Program in VB. HET | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| .5 | | | |











Lecture Planning (Teaching Plan)

| | Class: T.Y. | | Division | 1) CLISCO 110 d. M114 bt |
|-----|---------------------|------------------|---|------------------------------------|
| ı | ectures Require | d as per the Syl | labus | Unit / Ch |
| Sr. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | न्यस्।।४ | ল | Introduction in PHP Peatures of Drawbacks of PHP | Rasics of PIPP |
| 2 | काक्रा8 | 0 | Versions of PAPP | structure of PHP |
| 3 | 5414£118 | 05,04 | HOW POPP NOTES ? POPP NOTES | working of PHEP |
| 4 | 91स्।।४ | of | Alon Control statements Conditional statements | How Control almosts |
| 5 | 1018/118 | 06,07 | Looping Statements exit, Return, Die, Include Strot. | Loveing Storts |
| 6 | 11143118 | 08 | Introduction to Array Index vs Associative Array | Array with types |
| 7 | ाटा स् राष्ट | o g | Multidimensional troay Different array function PHP | Array - functions |
| 8 | 17/47/18 | 10,11 | Traversing arrays, Sorting arrays | Sosting troys |
| 9 | 811मूक् का | 12 | Received ve function Types of Strings in PAP | Otting Types |
| 10 | अवि।।८ | 13 | Painting functions | Bint function |
| 11 | સ્તા ર 118 | 14 | Comparing atrings | String Comparision |
| 12 | वेज्ञकर्गाः | 15,16 | Manipedating & Searching strings | Manipulation of Searteins |
| 13 | aloging | 17 | Regular Cepressions | Regular Expressions |
| 4 | 7104119 | 18,19 | notwoluction of Benefits of cops | Benefits |
| 5 | 38/01/18 | lb. | Creating a class | Class Creation |
| | | | | |

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Lecture Planning (Teaching Plan)

| | ass: T· Y.1 | 3.9c. | Division Subject: | lernet Paug nith Papp |
|------------|-----------------|----------------|---|------------------------------------|
| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | 1310\$118 | 21,22 | Creating au object, Adding a | Object Creation & Methods |
| 2 | 1410\$118 | 23,24 | Adding a Properties, Visibility | Troperfies of Visibility |
| 3 | १०१।। | 25,26 | Inheritance (Extending a class) Constructus & apestructus | Inheritance |
| 4 | ઝાલ્ફ્રાાહ્ | 27,28 | Abstract classes, final classes | Abstract final of |
| 5 | 28/08/18 | 29,30 | Exception Handling Serialization | Concept of exception thandling |
| 6 | 29108119 | 32,33 | introduction that Basics | HTTP Basics |
| 7 | व्यान्त्र ।। कु | 34135 | Get of Post Method, S.GET of SI-POST | Geb & Rost Method |
| 8 | जान्।।षु | 36,37 | Jelf Processing Pages, file uploads | self ibonessing |
| 9 | 14ळा। ह | 38,39 | Cookies dessions Combining Cookies of Sessions | Conkies of Questions |
| 10 | 11102119 | 40,61 | Introduction to 1945al | MyseL |
| 11 | 121 ज्या १ | 4243 | Interaction beto PAP & MYSOL PAP | PRP & PHYSOL |
| 12 | 1810वाह | 44,45 | Execute ODL & Bral Otrots. | Error Cheeking - Drak Elmts |
| 13 | 24/03/18 | 48 | Voutions PHP Pgus on Cookies | Cookies Pgus |
| 14 | 2702119 | 49 | PHP Pame on Dessions | Sessian pgms |
| 15 | ४९। व्याष | 20,5 | Geb & Post metterd pgms | Get of Post Method. |
| | J | 1 | 1 | المالية المالية |





Lecture Planning (Teaching Plan)

subject: Programming with Gat-4 3.7. B.So Division -Lectures Required as per the Syllabus Unit / Chapter Learning Outcome Sr. Lecture **Topics Plan** Date Need of function Bosics of function & its need of 06/12/18 Returning objects from functions object - function न्।।थ। 8 മ,ക Types of func types of functions 08/12/18 functions with default argues feon c with defaulty 05 13/12/18 function overloa. except 14/12/18 06,07 function overloading with example Scoping Rever of feature 08 Scoping reles of features 15/12/18 operator overlanding 09 201218 introduction to operator over. 211418 10,11 Rules of operator overloading Revies of open. Nor. र्गामाहर 12 Unary & binary operators many of Binary open comparision, Arithmebic Assign. 27[1718 Different operators 81/2/18 14,15 new of delete operated overloading new of delete operations 11 16 29/12/18 Data Gowersian beto objects Rata Conversion 12 3/0/19 17 Concept of Rointer & Rointer operator Feinter & fan c 13 18,19 04/01/19 Pointer to function, Rointer& Rointer-to-fun Pointer-to-osjeet 14 10/01/19 20 Arroy of Reinter to an object troop of Tointer

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Lecture Planning (Teaching Plan)

| 3 | Class: Lectures Required | as per the Syl | Division Subject: | |
|-----------|-----------------------------|----------------|--|---------------------------------|
| Sr. No | Date | Lecture No. | Topics Plan | Unit / Chapter |
| 1 | 1119 | 21,22 | Exception Handling Concept of try, therw, Catch | Learning Outcome |
| 2 | 17/01/19 | 29 | Introduction to tobail | Facepetion Handling |
| 3 | 18/01/19 | 24,25 | Derived class, Constructors Benefits of Inheritance | Types of Inheritance |
| 4 | 191व119 | 26 | reintual Rointer, this pointer Abstract Class, Pure virtual func | Constructors Tointer - Concepts |
| 5 | 20/01/19 | 27,28 | Basics of templates, func | |
| 6 | अ।व।।१ | 29,30 | Class template, Farameters | Template fun C |
| 7 | 01/02/19 | 31,32 | | Template famueters |
| | व्यव्य ११ | 32,33 | Introduction to STL Components. Gostainers | |
| | મુંબાવ | | Pargrams on STL | Trograme on STW |
| - | | 34,35 | Perophate Programs | Template Igus |
| 0 | ग्हीन् <u>भा</u> व | 36,37 | Mongrams on Tempelate | Trograms on Femplat |
| 1 | ष्ट्रीन्थाव | 38 | Thograms on Interitance | Inheritance Pgms. |
| 2 1 | 41व्याव | 39,40 | Throginus on Exception Handling | Selepetion Handling Pgru |
| 3 1 | प्रवात | 41,42 | This Binter of Virtual Pointer example | this Pointer example |
| | elæli g | 43,44 | Ceauples on Array of Pointer | Arrays execupte |
| 8 | 1/વ્યાવ રાષ્ટ્રાવ | 45,46 47,48 | Execuples on operators Framples on Pointers | operators of Kninter example |

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Lecture Planning (Teaching Plan)

| Cla | ss: M.Sc | | Division Subject: | npiler emstruction |
|------------|----------------------|----------------|--|------------------------------------|
| Lec | tures Required as | per the Syllal | ous | |
| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | .थ।।। <i>।</i> ८ | ot,02 | Compiler Basics tssues in Compilation | Coupiler Rasic |
| 2 | श्राभा8 | B | Phases of Compilation. He Analysis Pladel | Couriler pleases |
| 3 | ১খান। ৪ | 04 | Synthesis Plade Ompiler Construction Tota | Synthesis Hodel |
| 4 | 8711 9 18 | 05,06 | Lexical Agalyter, Less specification Detail | Leneical Analyter |
| 5 | ४४।७।१४ | 07 | classification of Parser | Parser types |
| 6 | 29/14/8 | 08 | Top-down Perset | Top-down - Types |
| 7 | હોવાાવ | 09,10 | Bottom - up Parser | Bottom- up - Types |
| 8 | CHI GIII | 1) | Karse Tree, operator Precedonce Parsers | Parsers Mecedenie |
| 9 | 199119 | 1213 | Con Reporting & Recovery | Error Reposting |
| 10 | 11/21114 | 14 | Advantages & DisAdvantages of operator precedence Parsing | Advantages of DisAd. |
| 11 | 1719119 | 15,1C | Parsers. CR Parsing | CR Rasing |
| 12 | | 17 | Dimple LR Parser LR (1) | Simple LRU) |
| 13 | | 18 | LALR Parsers | CACR Busers |
| 14 | delailig | J.J. | Courwical LR | Canonical CR |
| 15 | 3/19/19 | 20,21 | Porslens on LALR | Prostems on CASR |

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Lecture Planning (Teaching Plan)

| | ctures Required a | s per the Sylla | Division Subject: Subject: | |
|------------|-------------------|-----------------|--|------------------------------------|
| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | विशान | 22 | Problems on first & Follow | FIRST & FOLLOW |
| 2 | व्यान्य। व | 23 | Need for Intermediate Code Generation | Intermediate Code Gen. |
| 3 | <i>न्।व्याव</i> | 26,25 | Intermediate forms | Intermediate forms |
| 4 | 08/04/19 | 28 | Polish notations, audauples | Types of intermediate |
| 5 | व्याक्याव | 27 | Indirect Toiples of Blocks | Toiples & Blooks |
| 6 | 1410419 | 28, 29 | Plooing operation Wittin blak. | Code optimidation |
| 7 | 15/04/19 | 90 | Strength Reduction, Read ade | Code optimization Test. |
| 8 | 16/02/19 | 31 | optimotization With Basic Blaks | Code optimilation Tech. |
| 9 | थाळाव | 32,33 | optionalin techniques | Rechniques to optimize a |
| 10 | 22102119 | 34 | classification of Gade optimi. | Code optivizah: dassfo. |
| 11 | क्षेत्राव्याव | 35 | Need for an optimization | impostance of opti. |
| 12 | क्षचाव | 36,37 | Methods of organizing ST | spubol Table |
| 13 | ल/७।११ | 38 | Broay Search, Hasteing Tech. | Binary & Hashing Tech. |
| 14 | 913119 713119 | 39 40 | Collision resolution Technique | Collision resolution Tech. |
| 15 | | | | |

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| No. | Name of Student | Date | 241718 | 81/11/18 | 21/12/18 | 81/11/18 | 27/11/18 | 27/1418 | 28/14/8 | 21/2/18 | 61/10/20 | 8/01/19 | 04/01/19 | 1575119 | 61/10/01 | 2/10/11 | 17/01/13 | 17/0/13 | 18/01/19 | 19/01/19 | 31/01/19 |
|------|-------------------------------------|--------------|--------|----------|----------|----------|----------|---------|---------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|----------|----------|
| | | L.No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | 12 | | | - | - | - | _ | (c) |
| ٥l | Patil Harshada Ashing | L | P | P | P | P | P | P | p | A | P | P | P | P | P | D | A | - | P | 18 D | 19 |
| 02 | More Jagreti Aren | ************ | P | P | P | A | P | A | P | p | P | P | p | P | P | P | P | P | P | 10 | 1 |
| B | Borse Madhuri Ravin | dra | P | P | 0 | 0 | A | P | P | 0 | B | | 0 | P | P | P | P | D | p | P | P |
| 04 | Rajpert Mapuri Yogen | | 12 | P | P | P | p | P | A | P | P | A | P | p | 4- | P | D | P | - | D | 1 |
| 05 | Girase Shubleagi Po | | P | p | P | A | P | P | P | A | p | P | P | P | P | P | P | P | P | p | T |
| 06 | Karauke Boniya Skau | | P | P | P | - | P | A | P | P | P | A | P | P | P | P | P | 6 | P | - | P |
| 4 | Pawar Gayati Kmalsin | | P | P | P | P | A | P | P | P | P | 12 | +-+ | A | P | P | P | P | 4 | 4 | P |
| 38 | Bharsar cleaitali Ville | | P | P | 1-1 | A | | P | P | p | P | P | + | P | P | P | P | P | P | - | P |
| og _ | Deore Isajakta B. | | P | P | P | P | A | P | P | P | D | A | - | - | - | - | - | P | D | | P |
| 0 | Work Presita shear | d | P | P | 0 | P | P | A | p | P | P | P | A | - | - | P | - | - | 0 1 | OV | 2 |
| 11 | Wagt Factory Deep | aK | P | P | 0 | - | p | P | A | # | D | P | P | A | p | P | P | P | 2 5 | 1 v | |
| 2 | Patri Namata e. | | A | P | D | P | P | P | P | A | P | - | + | P | 0 | - | - | 0 | or | 1 | 2 |
| 13 | Girase Askwini | | P | A | p | 0 | p | p | P | D | A | P | +- | - | + | P | P | 0 | 01 | 2 0 |) |
| 14 | Ratil Namerata S. | | P | P | | - | P | - | P | 1 | - | 1 | | 4 | - | - | PH | | | | + |
| 15 | Patil Malsima G. | | P | P | P | - | P | - | 4 | - | - | - | A | 4 | - | P | PH | | 5 | | 1 |
| 16 | Koli Bharati A: | | P | A | P | | - | p | 4 | - | | 1 | - | A | 1 | • | | 1 | 14 | 1 | |
| 7 | Patil Swama s. | | P | > | P | A | | pr | | 5 | + | OP | -+1 | - | | 0 | P | 2 1 | | | 1 |
| | Somarhaue Harstrada : | 4. | 9 | P | P | P | P | - | P | 2 | 00 | T | -13 | 2 0 | + | | 0 1 | 2 0 | 1 | 10 | +1 |
| 9 | Nitam Aistuarya P. Mahale Gauali M. | | P | P | P | PI | 0 | P | - | PA | - | - | 1 | 2 0 | P | 0 | 1 | 2 0 | 1 | P | 10 |
| | | | P | | 2 | P | | | A | | | 2 9 | - | 7 6 | ++ | 11/ | 7 6 | 1 | ++ | - | A |
| | Mali Planata D. | | - | P | 8 | 2 | PF | 1 | PP | 1 | P | _ | - | P | - | +- | 1 | - | 1 | 1 | 1 |
| 12 | Brose Harshada Y. | | P | PI | 2 | P | P | P | | P | | | 1-4 | - | - | 1 | P | - | P | 1 | 0 |
| 13 | Mali Pratiblea D. | | A | P | PLI | 20 | 2 | PI | PP | 2 | PY | 2 6 | | | 1 | 7 | 1 | 1 | 1 | - | 1 |
| 14 | Patil Savita R. | | P | P | | 1 | | 1 | P | 1 | - | - | | - | - | - | + | - | | P | P |
| | Patil Roma VIINS | | A | | | 2 f | 1 | _ - | 1-9- | | - | 1 | - N | - | - | +- | 1 | 10 | | | |
| | Patil Vijaya Vivoa. | | 0 | 1 | PI | 2 | 21 | 1 | | P | P | P | | P | | P | | - | 1 1 | _ | P |
| 1 | inch allaha Alma. | | PX | 0 | 1 | 1 | 1 | 1 | 9 | P | - | | P | P | P | 1 | | _ | P | - | D |
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| Roll No. | 61/00/10 | 51 kg/6 2 | 61/6/to 3 | 6/10/10 4 | 61/0/80 5 | 61/0/60 6 | 61/0/4/ 7 | 67/c0/h/ 28 | 6/12/1/9 | 8/6/9/18 | 61/0/16 7 | 8/01/12 × | E 22/0/19 | 61/0/88 4 | 6/10/82 5 | 6/10/88 6 | 6/18/10 37 | 6/12/2 8 | 6/18/2 9 | 6/18/2 0 | 6/18/8 7 | 61/8/8 2 | 6/16/6 3 | 6/18/8 4 | | 6/18/01 46 | 7 77 17 |
| | 21 | P | P | P | 9 | P | P | P | P | P | P | P | P | A | 6 | 6 | P | P | P | P | P | P | P | P | P | P | |
| | A | A | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | p | P | P | P | P | P | P | P | A |
| | P | P | A | P | 9 | P | P | P | P | P | P | P | P | P | P | A | P | 7 | P | þ | P | P | P | P | P | P | |
| | P | P | P | A | P | 5 | P | 9 | | P | P | P | P | 9 | 2 | P | A | P | P | P | P | P | P | P | P | b | 5 |
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| 18 | Joden Titendra Poen | an | A | P | P | 9 | P | P | P | P | P | P | P | P | P | P | P | AF | d | 19 | 0 |
| 92 | Binde Okital Bleat | | 0 | A | P | P | P | P | P | P | P | a | P | A | P | P | PF | P | P | P | P |
| 35 | Mali Harshads t. | | P | P | P | A | P | p | P | P | P | p | _ | | A | PI | P | P | 2 | - | P |
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| 123 | Gujar Nitin Badip | | P | P | P | P | p | P | 1 | P | 1 | | - | - | V | 2 | AP | 0 | 2 | 1 | 4 |
| 140 | Borse Nikita R. | | 4 | - | P | P | P | P | P | - | - | + | - | | | - | 1 | 1 | P | PP | 4 |
| 141 | Shamare Biyauko | D. | P | 0 | P | * | - | P | P | P | 1 | P | | P | B | | PP | A | P | PIE | 7 |
| 143 | mali Rakeste D. | | P | P | P | P | 1 | - | - | T | | +- | • | - | | 7 | PP | + + | A | 21 | 2 |
| 145 | keti Rosleani P. | | P | P | p | p | PI | - | - | - | 1 | | - | 1 | - | FIL | P | 8 | PA | LIF | 2 |
| 128 | Patil Jayasteri A. | , | T | P | 4 | 12 | P | 1 | - | -15 | - | 4 | | - | 8 1 | | 1 | P | PI | P | 4 |
| 17] | Bair Wishnavi J. | | 0 | 7 | 1 | + | - | ++ | | - | + | - | - | 4 | 21 | PA | IP | P | P | PA | Ĭ |
| 201 | Jadkar Prielipak R. | | | | | 0 | - | - | - | 7 | - | - | _ | P | AH | 14 | F | - | PI | Pf | 7 |
| 211 | Makajan Bhapendro 3. | | PI | 7 | - | P | - | - | - | - | - | P | - | P | - | 20 | P | P | 2 4 | 1 | 1 |
| 221 | Patil Ruckita Y. | | P | | 4 | - | 1 | PF | - | | 2 1 | + | 14 | - | - | P | P | A | PY | P | 1 |
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| 227 | Patil Chetru G. | | P | | - | - | | | - | 219 | - | 21 | + | 1 | <u>_</u> | P | P | P | AP | P | K |
| 138 0 | koli Istopret A. | - | PP | F | | - | + | -14 | | 2 8 | 14 | - | PP | + | PF | - | P | PF | P | P | |
| 37 6 | Saindane Prinal H. | | PP | | P | - | - | 2 6 | 1 | 16 | - | - | 1 | 1 | 1 | P | 5 | P | > 1 | P | - |
| 35 6 | THAT GALLAN K. | 1 | 88 | | | 1 | + | 1 | 4 | | 16 | 1 | - | 1 | E | P | P | P | PP | P | 1 |
| 38 F | atil Hegha 4. | - 1 | 11 | > p | | 417 | 1 | 7 | 2 1 | 1 | 7 | AP | 7+ | F | P | P | P | PF | P | F | 1 |
| 42 PA | til Jagreti D. | ţ | - | 0 0 | P | 7 | | | P | _ | P | _ | 4 6 | P | P | P | P | PE | P | P | 3 |
| 49 E | Bogul Jayasteri 4. | | PP | P | | | 10 | | P | - | 11 | P | 0 | P | P | P | | PF | | P | |
| 60 D | Bogul Imasteri 4. | | | | p | | - | | P | | | | P | A | P | P | P | PF | P | P | |
| 13 P | fali Bhrupesk R | r | P | P | 1 | | - | 7 1220 | A | | P | F | P | P | A | P | P | PP | | r | |
| 41 0 | learan Bleagyashri K. | | P | 1 | 1 | 1 | 1 | H | PL | 1 | P | P | P | P | P | P | P | | PP | 8 | |
| 14 P | tali Harshad R: | P | P | 1 | - | Tr. | +K | 1 | P | P | 1 | P | P | P | F | A | p | PF | P | P | 9 |
| Pa | Hil Kartshung 9. | P | | 1 | 1 | 1 | 1-1- | F | P | 1-2 | P | P | P | P | P | P | | | P | P | |
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| 1 | A | P. | P | P | P | P | P | P | P | P | P | F | P | A | P | P | P | p | p | P | P | P | p | P | P | P |
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| - | P | P | P | 1 | A | P | P | P | P | P | P | P | P | P | A | p | 0 | P | P | 0 | P | p | P | P | P | P |
| - | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | þ | P | p | 10 | P | P | P | P | P | P |
| 1 | A | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | p | P | P | P | P | P |
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| | P | P | A | P | P | p | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P |
| , | P | P | P | 9 | A | P | P | 9 | P | P | P | P | P | P | P | P | A | p | p | P | P | P | P | P | P | P |
| | 7 | A | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | 8 | P | P | P |
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Attendance Sheet (Theory / Practical/Tutorial)

Subject: Interpet with Para

| 2 | Atten | uanc | - 3 | | | | 1 | 1 | 1 | 1 | 8.3 | - | 11/2 | 1 | - | 1 | 1 | - | DEL | 7 | THE | |
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| Roll No. | Name of Student | Date | 81/21/2 | 3/18/18 | 3/18/18 | 31/11/20/40 | 8/18/60 | 15/43/16 | 81/26/01 | 31/26/11 | 81/20/91 | SIRVIE | 13192/18 | 81 AU181 | | | 81/20/18 | 81/20/18 | \$1/20/20 | | \$1/80/16 | St /20/80 |
| | | L.No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | + | - | - | 19 | 20 |
| 97 | chaudhari Spelea C. | | P | P | A | P | P | p | p | P | P | P | A | P | p | P | P | P | p | P | þ | P |
| 98 | Patil P.B. | | 10 | p | p | A | p | P | P | p | p | A | 12 | P | P | p | p | P | 1 | P | P | p |
| 99 | Patil Ashwini R. | | b | p | þ | p | A | p | P | P | A | P | 10 | P | p | p | P | P | P | p | P | P |
| 117 | Talkale Senayana f | ર | 10 | p | p | p | p | A | P | A | p | p | P | p | 15 | P | P | P | p | P | p | P |
| 123 | Haratke Hadkut A | | þ | P | p | A | P | P | P | þ | P | A | P | p | 7 | P | P | P | P | P | p | p |
| 124 | Marattee Ruckeita N | , | þ | p | A | P | P | P | P | P | P | P | A | P | P | P | P | þ | P | p | 12 | P |
| 164 | Plone Vinayak D. | | P | A | P | p | p | p | P | þ | p | P | 10 | A | P | P | P | P | p | P | Þ | P |
| 170 | Mose Unesh P. | | A | p | p | P | p | P | p | p | P | P | p | p | A | P | P | p | P | P | P | Þ |
| 177 | Ratil Karita P. | | p | A | P | P | P | P | p | p | P | p | 10 | P | A | P | þ | p | p | p | PI | 5 |
| 209 | Bhargare Kumodiui R | | p | P | A | P | p | P | p | P | p | P | Þ | P | A | P | P | P | P | P | P | P |
| 214 | Nikumbh Kajals. | | P | P | 10 | A | P | P | P | p | P | P | P | A | Þ | p | P | 10 | P | P | P | P |
| २२५ | Hose wikita K. | | Þ | p | P | p | A | p | P | p | p | b | A | p | p | 10 | p | p | p | 10 | 1 | D |
| 226 | Ratil Pallari A. | | כן | P | p | p | P | A | p | P | A | A | P | D | P | P | b | p | 1 | P | | Þ |
| ২ ১9 | Mall Jayest 3. | | P | 10 | p | P | P | A | P | p | | | p | p | p | p | 6 | D | | DI | - | D |
| 229 | Potil Boltonasleri R | | P | P | P | P | A | p | P | P | P | p | A | b | P | Þ | 7 | p | - | 1-11 | p 7 | 2 |
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| 275 | Palatse Dirya 9. | | 0 | A | - | P | P | P | P | | 10 | P | 5 | ++ | A | 1 | P | P | | P | | P |
| | Jadlear Dipali R. | | P | p | p | A | | - | p | - | P | - | P | 1 | P | | 2 | - | PI | | - | P |
| २९० | Patil Harish R. | - | A | P | P | P | 1 | P | P | P | 7 | 1 | P | 1 | | - | - | P | 1 | 10 | 1 | 1 |
| | Kotkai Roskows | | - | A | - | | | 10 | | - | 1 | P | 1-1- | + | 61 | - | P | AL | 1 | P | P | |
| 19) | Patil Hodburi V. | | P | P | A | _ | 1 | P | | 1 | - 1 | | | 2 | ++ | - | P | P | | - | P | - |
| 178 | Hatale Tejal A. | | | - | P | PA | A | P | - | 2 | | - | ומ | - | 1-1- | P | P | P | P | | | P |
| 271 | Patil Gayatti R. | | , | 1 | 7 | | _ | ^ | - | | | | P | P | - | P 1 | P | P | PI | PI | - | P |
| 61 | Jadhar Kahani B. | | 1 | | p | D | - | p | PA | P | P | PI | | P | | P | P | P | PI | | DA | 1 |
| 82 | Patil Ratul Kailas | | þ | 6 | Þ | 1 | , | | | P | P | + | - | 1-1-1 | | - | - | | 2 | 4 | 4 1 | P |
| 34 | Ket Sheebhar 3. | | 0 | b | - | b | P | | P | A | | | - | - | | 12 | P | 7 1 | 7 | 1-1- | p | - |
| 116 | Olimpi Yamini S. | 9 | 0 | 30 | ~ | - | A | P | . — | - | - | | p | | 2 | | | | Þ | | PP | |
| 136 | Patil Vilan B. | | | p | | A | P | P | A | - | P | b ! | PIF | - | - | 4 | P | pj | p) | | PF | |
| 139 0 | Rajpul Porja R. | | _ | | pr | 2 | - 1 | D | | | 1 | P | | - | 4 | PI | b · | pr | OF | | g | |
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| No. | 100 | 2/0 | 210 | 6/08 | 0/0 | 10 | 1/08 | 1/08 | 100 | 108 | 29/04/19 | 18 | 81/8/18 | 1 | 1 | 1/6 | 3 | 1/8 | 1/8 | 1/19 | 1/1 | 111 | 1/8 | 119 | 1/19 | 8/18 | 1 |
| 7 | - | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 5 | 8/180/18 | 8 | 81/8/10 | 5 | 1012/19 | 118/11 | 1119118 | 148/18 | 8118h1 | 18/3/18 | 13/2/19 | 19/21/9 | 5118110 | 61/8/18 | 2112118 | 81/8/30 | 46/8/19 | 3 |
| 1 | 21 | | - | | - | - | | - | | | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | |
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| | p | 12 | 10 | P | P | P | p | P | P | P | A | p | P | P | P | b | p | p | p | P | 10 | A | p | D | D | 10 | - |
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| | 7 | 5 | B | P | P | P | P | 5 | A | - | ·A | 1 | P | D | P | n | P | P | P | P | P | P | P | P | P | + | 1 |
| | 90 | P | P | P | p | 2 | 12 | P | P | A | 5 | P | 1 | P | P | P | P | p | 0 | P | p | 0 | D | P | P | P | |
| | 1 | p | P | P | p | P | p | 5 | A | <u>p</u> | P | AP | | P | P | P | P | P | 15 | p | 0 | 5 | P | p | P | 8 | - |
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| | P | P | P | A | P | P | p | P | 72 | P | P | P | P | P | P | A | 1 | P | 5 | P | 12 | P | 12 | | P | P | 1 |
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| Roll | Name of Children | Date | 118 | 18 | 00 | 118 | 8// | 118 | 118 | 118 | 118 | \$1, | 18 | 118 | 814 | 814 | 8/1 | 8// | 118 | 1/8 | 81 |
|------|--|-------|----------|-------|---------|----------|----------|----------|----------|----------|----------|----------|--------|-----|----------|-----------|---------|---------|---------|-------|------|
| No. | Name of Student | Date | 81/20/18 | 3/1/8 | 31/6/16 | 81/60/40 | 8//20/60 | 81/20/01 | 10/07/18 | 81/to/11 | 81/60/91 | \$1/10/0 | 3/16/4 | 6/8 | 81/40/58 | 81/6/1/18 | 3/14/18 | 3/40/18 | S140418 | 160/5 | 1/8/ |
| | | L.No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 160 | Ritil stuveta V. | 1 | A | P | p | p | P | P | P | PP | P | 10 | P | p | p | p | P | 10 | p | P | p |
| 84 | Rojout Surama H | , | P | A | P | P | P | 12 | P | P | p | þ | P | p | P | p | P | þ | P | P | A |
| 92 | Patil Vmakait A. | | 10 | P | A | p | p | p | P | P | P | P | P | P | P | p | P | p | P | A | P |
| 18 | Potil Vished Nartea | r | 19 | P | P | A | p | p | p | P | p | P | P | p | P | P | P | Þ | A | þ | p |
| 19 | Ratil Boyakta C. | | P | 10 | 10 | 12 | A | p | p | P | þ | P | P | p | P | P | p | A | p | p | P |
| 20 | Panar Bragyasteri | ٧. | p | وا | P | P | p | A | P | p | P | P | P | p | P | P | A | p | P | P | 10 |
| 06 | Patil Tamy A. | | 9 | p | P | 12 | وا | P | A | P | P | P | P | P | P | A | p | P | 10 | p | 7 |
| 48 | Raport Semit P. | m. T | p | P | þ | P | 19 | P | 10 | A | P | P | P | P | A | P | P | P | P | 10 | P |
| B | Shaikh Altamasty 2 | , | P | P | P | P | P | P | p | p | A | P | P | A | P. | P | P | p | P | P | 15 |
| 34 | Patil Paitam Deepal | < | P | p | P | P | P | P | P | P | وإد | A | A | P | P | P | 0 | P | P | P | F |
| 56 | Sonawane Pouttrois | | P | P | 9 | P | p | 10 | P | P | A | p | Â | A | P | P | P | p | P | P | P |
| 44 | Patil Vishaktea +. | | 10 | 10 | P | P | p | p | P | A | p | p | P | P | A | 10 | P | 9 | 10 | P | 7 |
| 61 | Valvi Pradunya 3. | | p | P | 9 | P | P | 5 | A | p | P | P | p | p | p | A | p | P | P | P | P |
| 62 | Sisode Paja Sauri | 1 | P | P | 12 | p | p | A | P | P | 0 | P | P | P | P | p | A | P | P | P | P |
| 24 | Sonar monity Kaila | J' | p | P | P | P | A | P | P | 19 | P | 10 | P | 13 | P | 10 | P | A | P | p | 10 |
| 86 | Koli Rajeshvari Nau | ider | p | p | P | A | P | P | P | P | P | p | P | p | P | P | P | P | A | P | F |
| 74 | Patil Voulla Dilip | | P | P | A | 9 | 0 | P | P | P | P | P | P | P | p | P | 10 | P | P | A | p |
| 79 | Patil Nutau P. | | P | A | P | P | P | p | p | 10 | P | P | P | P | P | p | p | p | P | O | A |
| 8 | Patil Stublears R. | | 1 | P | P | p | P | p | P | p | P | P | P | P | p | p | P | 10 | P | p | p |
| 89 | Theakare Sagar D. Vasave Hatkura of | | p | A | p | p | P | 5 | P | p | p | p | p | P | p | p | P | 10 | P | P | A |
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| Roll | Class: S.Y.B.SC | 1.00 A | In | 1 | 1 | 1 | L | T. | T | La | 100 | T. | Ta | 100 | 300 | 7 | 7 | - | 1 | - | 1 | C++ |
|------|--|--------|---------|--------|--------|--------|---------|---------|--------|----------|----------|---------|----------|---------|-------|---------|----------|---------|---------|---------|----------|-------|
| No. | Name of Student | Date | 8/14/90 | 8/hito | 8/14/8 | 8/14/8 | 14/14/8 | SIKILAI | ISTAIR | 26/17/18 | 8/1/1/18 | 81/1/10 | 21/11/18 | 1/61/18 | 16/28 | 28/14/8 | 8/1/6815 | 3/6/119 | 9/11/19 | 4101119 | 16/11/9/ | 11/19 |
| | | L.No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | | | |
| 86 | Bogul Roleit Vistene | Ŋ | P | P | P | P | P | P | P | P | 8 | P | A | P | P | P | P | 1 | P | P | P | P |
| 32B | Patel Prosad Rajasan | 0 | P | P | P | P | P | P | P | P | 9 | P | P | P | P | A | P | | P | | P | - |
| 149 | Bhangar Girish Par | | P | P | P | P | P | P | P | P | 9 | A | P | P | P | P | P | 0 | P | P | P | 1 |
| 148 | Chaudheari Bamod o | 1. | P | P | P | P | P | P | P | P | 9 | P | P | 0 | P | P | P | P | A | 10 | P | |
| 824 | Borage Strubtean & | stear | P | P | P | P | P | P | P | P | 9 | P | P | P | P | P | 0 | P | P | P | P | + |
| 61 | cleandleari Injeste R. | | P | P | P | P | P | P | A | P | 8 | P | P | P | P | P | F | - | - | + | + | A |
| 252 | Kteorde Rahul 9. | 1 | P | P | P | P | P | P | P | P | 8 | P | P | A | -P | P | P | P | P | P | P | P |
| 128 | Pawar Sogar A. | | P | P | P | P | P | P | P | P | 9 | P | P | P | D | - | 8 | P | P | 8 | P | P |
| 132 | Sisadiya Harsteada | Y | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | 1 | P | - | P |
| 131 | Somer domal v. | 1 | P | P | P | P | P | P | P | P | P | A | P | P | 0 | P | - | - | P | 9 | P | P |
| 369 | Patil Vizistrali Q. | | P | P | P | P | P | P | P | P | 8 | P | P | P | P | | P | P | P | P | | P |
| 24 | Koli Dipali R. | 4 | P | P | P | P | P | P | A | P | P | R | p | P | 0 | P | P | P | - | P | P | P |
| 87 | Patil Reklea v. | | P | A | P | P | P | P | P | P | 9 | P | A | P | D | P | P | P | P | P | P | P |
| 135 | Borase Rajnoudani | D. | P | P | P | P | P | P | P | P | 9 | P | P | P | 0 | A | P | - | P | P | P | P |
| 325 | Patil Shubkaugi B. | | P | P | P | P | A | P | P | P | 9 | P | P | A | 0 | - | - | P | P | P | P | P |
| 244 | 74 | 0. | P | P | P | P | P | P | P | P | P | 9 | P | P | 0 | P | P | P | P | P | P | P |
| 245 | Rajput Helen Y. | | P | P | P | A | P | P | P | P | P | 9 | P | P | 0 | P | P | P | A | P | P | P |
| 289 | Patil Kalyani N. | | P | P | P | P | P | P | P | P | 1 | P | P | P | 1 | P | P | | P | P | P | 1 |
| 30 | Power Afay SteanKar | | P | P | P | P | p | P | A | P | P | P | P | P | P | P | - | | P | P | P | P |
| 191 | Rowara Gerdya K. | | P | P | P | P | A | P | P | P | P | P | P | P | - | P | P | P | 4 | P | P | P |
| 139 | | | P | P | P | P | p | P | P | P | P | P | P | - | 1 | - | - | P | P | P | A | P |
| 75 | chaudhari Halpes | H 41. | P | P | P | P | P | P | P | A | 9 | P | 0 | 1 | A | P | - | | P | 1 | P | P |
| 76 | ctraudten Snebal J | | P | P | P | P | P | P | P | P | - | 9 | A | - | 4 | - | - | - | P | P | p | P |
| 30 | Magar Vaistinani M | | P | P | P | A | P | P | P | P | P | 0 | A | - | P | - | | - | | - | - | P |
| 33 | Rottli Bharatt A | | P | P | P | P | P | A | P | P | P | 9 | 6 | | - | P | - | - | - | P | | P |
| 105 | Pati Yogita Q. Patil Yogita Kailas | | P | P | P | P | P | P | P | P | 9 | P | | - | - | | - | - | - | P | - | P |
| 121 | Plantine Gruti Kai | | P | | P | P | P | P | - | - | - | 9 | 9 | - | P | - | | | - | - | | P |
| 129 | TRANSHI DIANE. | as . | P | A | P | P | P | P | P | P | | | 9 | 4-1- | - | - | - | - | - | | | P |
| 130 | Patil Trupti K. | | P | P | P | P | P | P | P | P | - | | | | - | - | - | - | - | - | 2 1 | |
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Attendance Sheet (Theory / Practical/Tutorial)

9/01/19 15/14/18 2012/18 29/14/18 13/14/18 81/11/18 श्रीमा **अग्रा**या 811119 81418 IKILA 14 221141 41011 7/12/18 Roll 611001 Date Name of Student No. 8 11 10 12 7 9 13 14 15 16 4 5 8 17 3 L.No. 18 19 P chaudhar Latika R 0 P P 134 A P P P P P P P P Bharsar Astroini M. 135 P P P P P P P P P P A Gustury Harrya S. 136 Patil chandrakout P P 138 P Clearan Hanoi p P 144 P P P dandar Vaibhau 4 145 P P Historya P 187 P P P P P Sisodiya Skwetz 238 P 9 P Ginse Blearti 230 P 0 P P P 246 Butil Harshada P P P P P Inmadar Tejasióni P P P P P P Mali Punani Bublant 319 P P P P P P P P P P 215 Jadlear Yuni N. P P P P P P P Girnse Gopal Villingsing 198 P P P P P P 0 P P Patri Darstean Amreul P 1 P P P Sonaware Ingriti y. P P P P P P Rajput Biyoukg V 8 P P P P P P Patil Pallais S P P P P P P P 154 Sonavaue Visteall S. P P P P P P P Swale Ting V. P P 174 P P P p P Borse Psiyauka Anna P P 175 P P P P P Quari Paizal p 182 P P P P 0 P P P P Borase Vhistran s. 23 P P P P 9 P P P Cheand lear Quisini s. P 210 P P P P 215 Bodgujar Jayeste C. P 0 P P P Borase Bhupendra P P P A P 233 Soviawaire Himaustu p P P P P P 9 9 P Þ P P P Wagy Atrel P P A P P P P 9 P P P Skimpi eteandrakant P P P Þ P 247 Surawanski P Stearest P





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Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|--------------------|-------|---------------|--------------------------|---------------------------|--|
| Monday 2/レ/2018 | TYBSc | PHP Programmy | Introduction to PHP | Basics of PAPP | Competer Graphics / PHP Porgramy By Rosnous Lerd off |
| Tuesday T | YBS | PHP Ingrawy | features of Bonnbacks of | Enlist features of PHP | -11 |
| dnesday | YBZ F | pup Programy | Versions of PHP | PHP Versions | -h- |
| 2/2018 | | | - 46 | at various V | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|--------------------------|-------|--------------------------|---|------------------------------------|---|
| Thursday 72 /12 /2018 | 57BSc | Thygramy +0 C++-II | Bastes of functions | franchtons | Plastertug for Cus boy K. Versugopal |
| Friday 97 /12/2018 | SYBSE | Trogrammy \$10 C++.11 | Need of functions Consept of objects | Need of functions of objects | Plantertug to Gy by M. Venugopal |
| Saturday の3 /12/2018 | i | | | | |
| Remarks | | | | | 1 |



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Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-----------------------|--------|-------------|---------------------------|-------------------|--|
| Monday 5 1/2 /2018 | TYBSc | PHPROGRAM | HOD PHP WOOKS? | Working of PHP | PHP Pargrammoin by Rusmus derdootf |
| Tuesday / 12 /2018 | TY133c | PHP Ingramy | JULH After AND | HTML & PAP | -11- |
| | | | -s-15-4-5 | | di - |
| ednesda y | YBZ | PHP Bugraun | From Control Stateroccuts | in PHP | -11- |
| 12/2015 | | | Pro Vince | - West Code (| |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------------------|-------|-----------------------|----------------------------------|------------------|----------------------------------|
| Thursday 13 /12 /2018 | = | 114 114 | | | |
| Friday 약/12/2018 역/1작1용 | SYBSc | Programy +0 C++-IL | Returning objects from functions | osjeets from | Masteriug to Crt K. Venugopal |
| Saturday 「12/201そ | sybsc | Programy in | Inline functions | Inline finetime | -61 |
| Remarks | | | | | |





Lecture Detail

| Day 8 Date | Clas | | Week From Syllabus Planned | Syllabus Covered | References | |
|---------------|-------|-----------------|-------------------------------------|---------------------|--------------------------------|--|
| Monda | | PHP Programmy | Looping Statements | Losping Strots. | PHP Pargrawy Rasmus Lerdoff | |
| 16 7 12 120 | Msc | Corosciler | Basics of Goopiler | Compiler Basics | Compiler - Apo Vilmao | |
| Tuesday | TYBSC | Programy | Exit, Return, Que & modude Elmot | Various Struts | · | |
| 7/12/2018 | 17/Sc | Compiler | Issues in Coopilation | Compilation 13540 | -n_ | |
| Vednesday | 77B5c | PHP Prigrawy | Introduction to Array | Gocept of Array | -н | |
| / I> /2018 | MSZ | Compiler | phases of Compilation The | Coupilation Pleases | -8 | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------------------|----------------|-----------------------|-------------------------|---------------------------------|--|
| Thursday 2e /12 /2018 | SYBSI | Posplawn in C++-11 | Taiend functions | forenel functions | Plastering in GH by K. Venugapal |
| Friday 일 /12 /2018 임114국지 \$ | TYB97 3YB97 | PHP Porgramy | function with arguments | Associative Array function with | PHEP Trograms Rasmus Landoff -4- |
| Saturday 24/ 12/2018 | | +D CH-# | | argum euts | |
| Remarks | 12 | | | | |



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Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------|----------|-------------|--|---------------------------------|---------------------------------|
| Monday 23/12/2018 | 77582 | the longuan | Pluttictimensional away | mentidimensional | PIPP Porgraun Racmus derdoff |
| | PBo | Gupiler | sportlerals plodel | Synthesis Mode | Coupiler. Afer weln |
| Tuesday | 1YB\$c | FARP | Different away femetime in | Array functions | -u- |
| 14/12/2018 | plse | Compiler | Compiler Construction Ports | Coupiler Construedur Tosts | -w |
| Wednesday | TY 13 92 | Programy | Traversing Arrays of Gooting Arrays | Sorting of Progressing armys | -u- |
| / 12/2018 | 1792 | Compiler | Rote of desertal Analyses | Lorelcal analysis | -4 |

Lecture Details

| Class | SubJect | Syllabus Planned | Syllabus Covered | References |
|-----------------|------------------------|------------------------------------|--|---|
| ታ ዣ B የአ | Torgozum +10 CAP-II | function everloading with example. | function overleading | Matching to Get by K-Venugupal |
| 97B2 | Posquemy in | -function overloading example | Nettording with example | Mastering for C++ by K. Venugopal |
| | 1 11 | | | |
| | 37B2 | Programm in CAP-II | Programme in function everloading with example. 2782 Poogramme in function overloading CH-II example | Programm in function overloading with example function overloading 37852 Poogramm in function overloading example overloading rith example |

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Lecture Detail

| Day & Date | Class | Subject | Veek From Syllabus Planned | Syllabus Covered | |
|--------------------|-------|------------------|----------------------------|------------------------|--|
| Monday む/の /201 | 1 | PHEP | Reausive function | Recursive functions | References RHP Borgowung Rassons Lendoff |
| | Msc | Gmeiler | Pop-down Rarser | Pop. down Ruser | Guzites - Ateo velma |
| Tuesday | TYBSc | Porgramm | Types of Strings in Pupp | String Types | -4- |
| /g /2019 | Mec | Compiler | Types of Pap-down Parson | Types of Passer | 4 |
| /ednesday | TYBY | RIEP Brigiany | Birting functions | Binting functions | |
| al /201g | Mec | Compeiler | Bostom up Parsing | Steift Reduc Rarser | -u |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------------|----------------|------------------------|--------------------------------------|-------------------------|-------------------------------------|
| Thursday 3 / の/201/9 | sybse | Foogsalwy | Scripting neles of features | Soripting rests | Hastering in Gu by ox. Venygopal |
| Friday 4 / 10/201 9 | 5YB <i>5</i> ૮ | Programy | About features of scripting | -14- | |
| Saturday 1 /1 /201 q | 573% | Porgramy +0 Get - # | Introduction to operator overloading | cperator evertinding | -4- |
| Remarks | . 1 | | | | |





Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------|---------|-------------------|-------------------------------|-----------------------------|---|
| Monday 13 / σ /2019 | TYBSC | PHP Porgram | esting Comparision functions | | RHP Rosposium, l by Rassons Lendoff |
| | Msc | Guyiler | Construction of Ruse Tree | Porse Tree | - After Velman |
| Tuesday | ተሃይ፟፞፞፞ | PHEP Povgozumy | Detailing of Stoing functions | Strong funds | وا |
| 19/9/2019 | Msc | Compiler | operator Beledence Parsers | operator Breezden | u eu |
| | | | | ai 107 | -1 |
| Wednesday / /201 | Mer | Compiler | Error Reporty & Recovery | Error Repealy & Recovery | -u_ |

Lecture Details

| Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------|-----------------------|--------------------------------------|--|--|
| | | operator overloading | operator overloading | Pop by R. Verngor |
| - | Poogramy in | | Manipulation of Search String Rules of O.V. | Exer Royonung by Rasmus Lem |
| ราธร | Paugramy in | operativ overloading | operator over londing | n |
| | 57B2 17B8L 57B2 | SYBSZ Programy in SYBSZ Programy in | SYBSZ Program in sperator overloading SYBSZ Program in sperator overloading SYBSZ Program in sperator overloading SYBSZ Program in sperator overloading | SYBR Programs in Realis of operator overloading Planipulation of Search String Realis of operator overloading Planipulation of Search String Realis of operator overloading Realis of o.v. |

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Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|---------------|-------|-------------------|---|--------------------------------|-------------|
| Monday | TYBS | PHP Poogozum | Programs on String functions | String String | by Rasmy L. |
| ₹0 / of /2019 | P182 | Compeiler | Advantages of operator Precedence | operator Fleue dence Busers | Afeo velman |
| Tuesday | tyB9c | Laudavina Etob | Regular expressions | Regular Exposition | -u |
| 4 /01 /2019 | 13182 | Compiler | Risadvantages of operator Heredone Parsers | operator Recedence Buseus | u |
| Wednesday | TYBZ | PHEP Foogsawy | Poogoan on Regular Exp. | Posgosum on Regular esup. | -4_ |
| 101/2019 | 10 SZ | Compiler | Parsers: LR Raising | CR Bring | -u_ |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|---------------------------|--------|-----------------------|-----------------------------------|--------------------------|------------------------------------|
| Thursday / Ø) /2019 . | ราธร | toogsawy in | Vnay of Ginary operators | may operators | Mostering in Cot K. Venyopal |
| Friday | түв%_ | Prep Pocgrezuwy | Introduction of Benefits of orojs | ospi Benefits | |
| 8 101 12019 18 101119 | COLDO | Porposing 10 C++-# | Binary operators | Brinary operators | سـ |
| Saturday 19 / 19 /2016 | 9 SYB2 | Povgramm in | Comparision operators | Comparision operators | |
| Remarks | 43.4 | | | | |

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R. C. PATEL EDUCATION SOCIETY



Lecture Detail

| Day & Date | Class | Subject | eek | Syllabus Planned | Syllabus Covered | References |
|----------------------|-------|-----------------|----------|--------------------|------------------|---------------------------|
| Monday 27/07/2019 | TYBS | Ptep | Example | on ours Concept | orops Concept | Roogram Rasmus Lendoff |
| | 10/52 | Gupiler | Simple | LR Rarser | LR Parser | Ce: Afco vel man |
| Tuesday | TYBSc | Piep Bogoany | Creating | a class | Class Concepts | -ec |
| 8/01/2019 | | | | The barrier of the | - h 1 | |
| | MS | Compiler | Simpler | CR Rarrer (Re) | 1R(1) Rassers | 4_ |
| | | | Design 1 | eral birdo | 1=10 | I open |
| Vednesday / /201 | | | | | | |
| | | | | | | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------|-------------------|-----------------------|-----------------------------------|---------------------------|--|
| Thursday - | SYBS _C | Porgramming in C++-II | Asithmetic Assignment operatus | Aprillements operators | Mastering in Coto -By K. Venugopal |
| Friday_ / /201 | | | | | |
| Saturday 3/100/2019 | sүড°ছ | Pargramy in | Werlonding: new operator | new eperator | |
| Remarks | 1.291 | | | | |

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Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|----------------------|-------|------------------|--------------------|----------------------|------------------------------|
| Monday | TYBSc | Bogsminind | Class example | Escaute on Class | PHP Thropoung by Ramus L. |
| | Msc | Compiler | LACR Parses | LAIR Raisers | Co: Afeo reliman |
| Luesday | TVB52 | Paep Paogramy | Creating an object | osject details | |
| 1 /02 /2019 | Νę | Compiler | LALR Parsets | CALR Raiser: Example | d |
| Vednesday | TYBSC | Programy | Adding a metter | Add Pettern | |
| 7/02/2019 | Mac | Compiler | Causarel LR | Canonial CR | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|----------------------------|---------|-------------------|---------------------------------|----------------------------|--|
| Thursday | SYBSc | Michael Color | Delete operators | pelete operators | Masterly for GAP by K. Venugopal |
| Friday | TVB2 | 124EP Poogramming | Adding a Porferties | Adding Poolerties | RESEARCE RESEARCE RESEARCE LEVEL OF SERVICE RESEARCE RESE |
| 9219 05/02/2019 SYB& | Sybs | Programy in | Data Conversion | Rata Conversion | وا |
| Saturday シ /2 /201 | g sysse | Porgramy to | Data Conversion between objects | Conversion hebween osjects | -e- |

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Lecture Detail

| Month Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------|-------|---------------------|-----------------------------|--------------------------------|-----------------|
| Monday | TYISS | Exep Programming | Weitelety - Mode | Płode Visibility | Rumus derd off |
| 10/0/2019 | Pisc | Compiler | Poolens on LALR | Boblems on CALR | ee: Afeo velwar |
| Tuesday | TYBSc | PHEP | Inheritance | Inbenitanu | -4- |
| 11/02/2019 | Mse | Gupiler | Cocampetes on CASE | Geouples | -4- |
| Vednesday | TYBSC | Programy | Constructors of Destructors | Constructors of Bestonetors | -u- |
| 10/2019 | M82 | Coupiler | Rostens on PIRST of Pour | Prast & | -4_ |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------------|--------|------------------|---|--------------------------------------|---------------------------------------|
| Thursday 7 192 /2019 | Sybsc | Poogsawy + 0 | Concept of Tainter | Tointer | Platterly in in Cot - K. Venugopal |
| F riday Stallg | TYISSC | Prep Brogramy | Abstract day, final classes | Apabout of | exep Thogramy - Cerdoff Ramus |
| 12/92/2019 | SYBSI | Poogsawy in | Reinter operator | Rainter operator | -u- |
| Saturday 9 / % /201 g | 64RV | Copyramy in | Tointer to function Tointer & object | Rointer to func Rointer of object | -ti |
| Remarks | , 44, | | | | |

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Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------|--------|---------------|--|-----------------------|-------------------------------------|
| Monday 17/02/2019 | TYB32 | PIER I Grang | Interfaces | Example | prep Poorground by Resona Lendot |
| 17 70272014 | Mac | Compeller | Need for Intermediate Code generation | Code Gueratian | ce: Afeo velman |
| Tuesday 9 /02 /2019 | TYISSC | PART HOGIZAM | Exception Handling | Exception Handling | |
| 7/02/2019 | Plac | Compiler | Internediate force | Intermediate forms | -81- |
| V ednesda v | TY13°C | PHEP Programy | Serialization | Seridizalm | -11_ |
| 12/2019 | Msc. | Grupiler | Tolph Notation androples | Roliste Notation | -e_ |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|--------------------------|----------|--------------------|-----------------------|---|------------------------------|
| Thursday り/0ン/2019 | SYBSC | Programy in | Array of Tointers | Array of Poinks | Hastering ext - K. Venugopal |
| Eri da y 5 | TYBSC | Piep Porgodniaj | Introduction to terre | нтр | by farms Lendoff |
| 702/201 | કપ્રક્રમ | C++-II | Pointers to an object | osjeeb & Rointer | -4- |
| Saturday | కాణ్గ | Poogramy in | Exception Handling | Abord exception teaudling Concept of try them of Brek | -1 |
| Remarks | n et | | | 1, Erenn & Carca | |

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Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------|-------|---------------------|-------------------------------------|--|------------------------------|
| Monday | T7590 | РНСР Расдоамийия | மார குஷ்க | Basia of Hone | Prep Pagravy by Rasmus L. |
| 4/102/2010 | Msc | Compiler | Indired Triples of Bloks | Toiples of Bloka | ee: Hea velman |
| Tuesday | ТҮБŞ | Ptep Trogrammy | Get of Post Wettend & Get of a Post | Gct 1 Post Metterd 9. Get 9 St. Post | -4- |
| 5/02/2019 | Mac | Gweiler | Triples with example | Toiples: Grayele | -4- |
| /ednesday | ТҮВЯ | Programm | Self Knoessing Rages, file Upland | Relf Romersing | |
| 102 /2019 | P1 82 | Compeiler | Strength Reduction, Dead Code | Strength Rechaelm | -4_ |

Lecture Details

| Friday Sy BS2 Programmy Derived class Constructors CAP CAP CAP CAP CAP CAP CAP CA | Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|--|------------------------------------|---------------|-----------|-----------------------------|------------------|--|
| Friday 3782 Programmy in Corkies QESSIONS Sessions of Goslies Rasmu L. 14 102/2019 Types Per Irrepring Types of Inheritance Types of Inheritance K. Venugoroal Saturday SyBS Programmy Derived class Constructors Derived Class Obstructors Gustonetors Gustonetors Gustonetors Gustonetors Gustonetors Gustonetors Gustonetors Gustonetors | AND DESCRIPTION OF THE PROPERTY OF | 5 শBগ্ | +n G++ # | introduction to inheritance | Inheritance | Mastering in CAP -K. Venugopal |
| Saturday SYBS Programmy Derived class Constructors Derived Class Ofthe By | | | | | L | Rasmu L. |
| Reme fits of the second of the | | | Programmy | | | Phaltering in GH - By K, Venugapal |





Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|----------------------|---------|-------------------|--------------------------------|------------------|--------------|
| Monday 0 /03 /201 | 17º BSc | Poogoanun) | Sessions | Sessions | PHEP BY |
| 0) 7251 | 1792 | Conveiler | fording, Redundant oper? Si. | optimization | Ce: Hea When |
| Tuesday | 17 BSZ | Prep Brogrammy | introduction to physical | MYSOL BASIS | -u_ |
| 6/g /2019 | Plse | Compiler | Redundand eper P. Siminahan | Redundant | -0 |
| /ednesday | T7B52 | Ptep Brogrammy | Mysel Basis | MYSEL: Branyele | 4 |
| 19 /2019 | 17 E | Soupeiller | optimization with Basic Blocks | Barn Blocks | -w |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|----------------------|--------|-----------------------|--|---|---------------------------------------|
| Thursday - | 57B& | Poogocuun in CA+-# | Viotual Rinter, Heis Robater Ababaet class. Bure birtual func | Vistual Roisser Bure Vistual Fusc | Mustering in Ger By K. Venugpal |
| Friday- 92/2/2019 | sybsc. | Poogsawuy | Easies of templates Function template Class template Parameter | Dasics of templates | -ध− |
| Saturday / /201 | i i | | | | |
| Remarks | 6-1U | 2 414 | | | |

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Lecture Detail

| Day & Date | Class | Subject We | Syllabus Planned | Syllabus Covered | References |
|---------------|-------|------------|---|---------------------------|-----------------|
| Monday | TYBSC | Bogrammiog | Interaction beto RHP of MYSOL | PHEP 4 MYSOL | PHLP BY R.L. |
| | P182 | Compiler | Classification of Code optimida. | Code optimization | Ce: Afro velman |
| Tuesday | TYBSZ | Poogrammy | Comparative Analysis | Comparable analysis | 4- |
| 19 /2019 | Mg | Caupilet | Need for Ode optimization | Need for optimization | -ei- |
| Wednesday | TYBS | Programmy | Error Checking | Etros cheeking | 4 |
| 1 03 /2019 | MSC | Goupei lev | organizing Symbol table Binary Dearrole, Hastoing Teets. | organizing Symbol Dele | -t |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------------------------|-------|---|---|---|---|
| # hursday 35192/2019 | 37B2 | Rogocomy in | introduction to STL | Basics of | Plastering Cot - By K. Venug opal |
| F riday- | TPB & | PARP Programy Programy in CAP-II | Execute DDL of RM Stub Components of STI, Contriner | DDL & DML Shoots Container Concepts | PHP By Rasmus L. |
| Saturday. | SYB& | Porgoany in | Knograms on STL -11- on Templates | STL of Template Eguy | Cef tedorial - M line |
| Remarks | | | | | |

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Record of Consultancy Work / R & D Project

| eriod | Details of Work | Amount | Funding Agency |
|-------|--------------------------------|--------|----------------|
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| | Water Carlotte Water Committee | | |

Co-curricular and Extracurricular activity Record

| Sr. No. | Name & Program | Month & Date | Group Teacher | Principal |
|---------|----------------------------|----------------------|---------------|---|
| 1 | Admission Counciling | 15 th Jun. 15 th | | |
| 2 | Autingaing Committee | 15the trune 25th pay | | |
| 3 | Nelcome Benetion to P4,12. | A219, 18 | | · |
| 4 | Blood Donadation Comp | 25th Aug. 18 | | *************************************** |
| 5 | Peachers Day Celebration | 5th Sept. 18 | | |
| 6 | Compreler Science Quit | Sept. 18 | | |
| 7 | Placement Activity | Nor. / Dec. 18 | | |
| 8 | National Conference | NoV18 | | |
| 9 | Poster Presentation | Peb-19 | | |
| 10 | State tevel Gentipar | Feb-19 | | |





Record of Project Guided Minor Project

| Sr. No. | Name of the Student | Minor Project Title |
|---------|----------------------|---|
| 01 | Kul Kami Prija | Backent Gat 1919t - System |
| 02 | Vaishnavi Salunktre | online Hostel Mgt. Swater |
| 03 | Askwini Patil Girase | Clinic orgl. system |
| 04 | Marskada Sociawane | Medical Store 19gt. System |
| 03 | Meghana Sisade | Clinic 1996. System Medical Store 1996. System Petrol Prep Planagement System |
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Record of Seminars / Conferences / Summer - Winter Schools

| Sr. No. | Nature of Program | Place | Date (S) & Duration | Organized by |
|----------|---|---|------------------------------------|---------------------------------|
| र्व | State tevel Seminar Image Brestina | હી લં નૃષ્ય | 02 təfanzlı - 2019 (01) Deny | R.C. Tatel Aes Coll. Steirma |
| Q | State Level Norksteap | Shi rpzur | ds. Feb. | R.c. Ratel Aes Coll. Shirper |
| <u> </u> | Norksteep on Movelle learning | f.c. latel Institute of Peeleuolgy | 01 - Day | III, Bombay |
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| 2 | National Conference on Advanced Trends 4 Challengus in Cs | Shirpur funded by Mrc. | 19.20 Hov. 2018 (02) Days | R.c. Patel Les College Skirpar |





Record of Expert Talk / Research Papers Publish

| Sr. No. | Nature of the Journal / Conference / Institute | Month / Year Vol. / Place | Title of Paper / Topic |
|----------|--|--|--|
| ot OL | Advanced. Trends & challenges in cs | Nov. 2018 1 Shirper ISBN 978-93-88544 - 02-3 | Studying clustering algorithms in Data reliping using Wekg A Comparative study of closed Comparation of Charles |
| B H | tiones: | | Introduction: steads search on Thereats with soil injection which Brain pla image segmentation Plettends |
| 96 | -H- Vileteri | -11- | in Rural Areas through multimedia systems A survey on Web usage retining The Its Applies |
| 7 | Euroging Trends in Camputer of #T | -th JM.19 R.o. Nateata Calege. Bhusava | cloud Computing Collaborate with e-learning to Cuhance Educational |
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Record of University / DTE / UGC / AICTE Duties Performed

| Sr. No. | Date | ord of University / DTE / UGC / A Nature of Assignment | Institute / University | Remark |
|---------|-----------------------------|---|------------------------|--------|
| 1 | Sept. 18 2018-19 | V4-Paper setting | University | |
| 2 | sept-18/ | P.G. Pafer Betting Meeting | University | |
| 3 | Nov./ Dec. 2018-19 | Proctical & Paper checking | Institute University | |
| 4 | NOV18 | Ir. Supervisor External Br. Supervisor | Institute university | |
| 5 | Marshe/ April- | VG. Paper Betting | Voiversity | |
| 6 | 10/cm/4/ April-19 | PG-Paper setting | Voiversity | |
| 7 | 13fazel4/ April-19 | Praetical chairman - P4 | uni ressity | |
| 8 | Marshel Apoil-19 | CIC Committee Member | Voiversity | |
| 9 | plast/ April/play -19 | Ext.sr. Supervisor Hying squad | Vniversity | |
| 10 | | | | |





Local Guardian

| No. | | ardian Reco | rd | | |
|-----|--|-------------|------|------------|--------------|
| 1 | Patil Rahul Kailas | Class | Div. | Mobile No. | Student Sign |
| 2 | Patil Pallovi Rameste | T. Y. B. S. | A | 8007253664 | Rabbe |
| 3 | Borse Nikita Raisoda | T.Y.B.Sc | A | 7038508209 | Pralavi |
| 4 | Mali Harsteado Areus | T. 7. B. Sc | 4 | 8390584439 | Enittile |
| 5 | Rajpert Rovindra | T.Y.B.Sc | A | 7028772598 | Hamale |
| 6 | The sold Konberd | T.7.B.Sc | 4 | 7066912565 | Phyput. |
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R. C. PATEL EDUCATIONAL TRUST



Minutes Of Meeting

| Sr. No. | Date of Meeting | Minutes |
|---------|-----------------|---|
| 1 | 17/00/2018 | Distribution of Nork, Requirement List, Soft-Tech club Activities, Norkload distribution, Result Analysis, Academic Calender, National Conference |
| 2 | 281 111 2048 | first-sem. Result palysis, Aberet Placement Activity, Aberet Industrial Project, Soft-Peck club activities. About State Level Beninar, Bernatian of |
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Teacher Sign.

HOD Sign.

<u>Gertificate</u>

| This is to certify that Mr. / Mrs. Bhanudas Surest Pancheskai |
|--|
| Designation Asst. Prof. of R.C. Patel Arts, Gromen |
| f Occience Cotlege, Steinpeur |
| (Name of College) |
| has submitted faculty Diary for the academic year 2018 - 19 |
| with all complete details. |
| Date: 30/04/2019 |

SALO D

Vice-Principal

Principal

R. C. PATEL INSTITUTE OF TECHNOLOGY

Near Nimzari Naka, Shahada Road, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 259600, Fax: 02563 - 259801,802 www.rcpit.ac.in

R. C. PATEL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

Near Karwand Naka, Shirpur 425 405 , Dist. Dhule, M.S.
Tel.: 02563 - 255189, 251809 Fax:02563-251808,
www.rcpatelpharmacy.co.in

H. R. PATEL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

Near Karwand Naka, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 257599 www.hrpatelpharmacy.co.in

R. C. PATEL ART, SCIENCE & COMMERCE COLLEGE

Near Karwand Naka, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 257328 www.rcpasc.ac.in

H. R. PATEL ART MAHILA COLLEGE

Opp. Telephone Exchange, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 255302 www.hrpmahila.ac.in

INSTITUTE OF MANAGEMENT RESEARCH & DEVELOPMENT

Near Karwand Naka, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 251028 www.rcpimrd.ac.in

R. C. PATEL COLLEGE OF EDUCATION

Near Karwand Naka, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 255301 www.rcpcoedn.org.in

R. C. PATEL JUNIOR COLLEGE OF EDUCATION

Near Karwand Naka, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 257639





R. C. PATEL EDUCATIONAL TRUST

Academic Year _____ 2019 - 2020

Semester ± < 耳

Department _ Computer Science

Class & Subject SY/TYBSc/MSc.

Faculty Name Thonudas 3. Pandeslesi

FACULTY ACADEMIC DIARY...

Bio data

:Mr.Panchbhai Bhanudas Suresh Name

: M.C.S., M.Phil. **Oualification**

: Asst. Prof. Post

: Dept. of Computer Science

: R.C.Patel ACS College, Science

: 25 Years Teaching Experience .

Papers Published in International Journals : 13

Papers Published in Proceedings of National Conferences

No. of Text Book Published : 25

Conference Attended : More than 30

Workshop Attended : More than 30

Seminar Attended : More than 20

Worked as Member and Chairman of various committees formed by K.B.C. N.M.U., Jalgaon.

Worked as a resource person for developing E-content: Indore DAVV.

Worked as a Coordinator for two days state level workshop, "Digital Image Procesing" organized by Dept. of Computer Science, R.C.Patel ACS College, Dhule.

Worked as a Coordinator for one day National Conference on "Advanced Trends in Computer Science" organized by Dept. of Computer Science, R.C.Patel ACS College, Dhule.

Worked as a Session in National Conference at AIMS Institute, Chalsigaon.

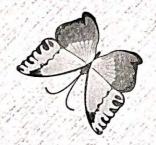
Awards : Awards

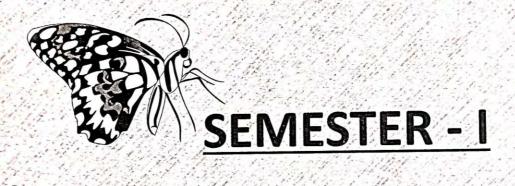
- 1. Rashtriya Vidya Gaurav Puraskar by Indian Solidarity Council.
- 2. Bharat Vidya Shiromani Award by International Business Council.
- 3. Jewel of India Award by International Institute of Education and Management.
- 4. Rashtriya Vidya Gaurav Gold Medal Award By International Institute of education &
- 5. EET CRT Education Pro : Appreciation certificate and Trophy
- 6. ARCH of International Education Excellence Award By International Business

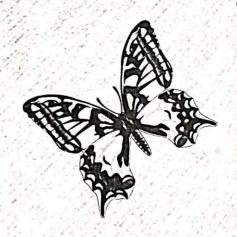
Faculty Members

| | | Teaching Staff | | | |
|---------|----------------------------------|----------------------------|---------------------------------|----|----|
| Sr. No. | Name · Qualification Designation | | Experience in years UG PG | | |
| 01 | Panchbhai Bhanudas Suresh | M.C.S.M.Phil CS) | Head of Department | 24 | 18 |
| 02 | Mone Sunil Dhondu | M.C.A. M.Phil.(CS), SET | Asst. Professor | 22 | 18 |
| 03 | Maheshwari Anand Jayantilal | M.Sc., SET | Asst. Professor | 14 | 14 |
| 04 | Chavan Dipak Eknath | M.Sc. | Asst. Professor | 11 | 11 |
| 05 | Patil Komal Purshottam | M.Sc. | Asst. Professor | 02 | 02 |
| 06 | Sonawane Megha Ramdas | M.Sc. | Asst. Professor | 02 | 02 |
| 07 | Rajput Mayuri Ravindra | M.Sc. | Asst. Professor | 01 | 01 |
| | | Supporting Staff | | | |
| 01 | Kulthe Yogesh Suresh | B.C.A. | Lab. Assistant | (| 08 |
| 02 | Anis Beg Yusuf Beg | 12 th | Peon | 04 | |

7/17/2020 RCPCOMPSCI 6











Academic Calendar

R.C. Patel Arts, Commerce and Science College, Shirpur

Department of Computer Science

Academic Calendar 2019-2020

| Sr. No. | Name of Activity | Month and Year 15 th June to 30 th July-2019 | | |
|------------|--|---|--|--|
| | Admission Counseling for UG and PG: ARC for PG | | | |
| | International Yoga Day Participation | 21 ST June 2019 | | |
| | Welcome Function For PG students | 05 th August 2019 | | |
| 4. | On line Registration committee ,Ant ragging and preparation of merit list | From June to 15 th August 2019 | | |
| 5. | Computer science Workshop/Seminar Committee | Month August/ September 2019 | | |
| | Teachers Day Celebration | 05 th September 2019 | | |
| | Placement Cell Activity | 20-25 th September 2019 | | |
| 8. | Internal Test UG and PG | 14 th to 21 st September 2019 | | |
| 9 | Computer Science Quiz Competition/PPT Competition | 2-4 th October 2019 | | |
| 10 | Internal Test PG (Second Internal) | 16 th October 2019 | | |
| 11. | Guidelines and Inspiration to students and Teachers for | 25 to 28 th December 2019 | | |
| 12. | Project Guidelines and Recent Trends in Computer By Speaker | 27 th January 2020 | | |
| 13. | Culture Program Activities | January 2020 | | |
| | Guest/Speaker | January 2020 | | |
| | Internal Test UG and PG | 18 th to 28 th February 2020 | | |
| 16 | Poster Presentation Competition | 6 th March 2020 | | |
| 17 | Internal Test PG (second Internal) | 22 nd March to 26 th March 2020 | | |
| 10 | Send off for final year UG and PG students | March 2020 | | |
| | Preparation and Guidelines for M.Sc. Project Work From December to Till Examination | | | |
| 20 | Preparation of resume and placement cell activity | Through academic year | | |
| 21 | Dun certificate Course In Commerce For Textile | Through academic year | | |
| 22 | Conduct seminar on Various topics by PG students | Through academic year | | |
| 23 | Preparation of online feedback data of Teachers by | At the end of Academic year | | |
| 24 | Assist to Nonteaching Teaching and students for S/W | Through academic year | | |

Mr.B.S. Panchbhai,

Department of Computer Science





Time- Table

| P. N. | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|-------|--------------|--------------------|--------------|-----------------|-----------------|-----------------|-----|
| 1 | | | | | | | |
| 2 | CS-314 CG | cs-314 CG | CG-314 | | | | |
| 3 | | | | | | | |
| 4 | | | CS-314 CG | C5-212 C++-I | CS-212 C++-I | C3.212 C++-I | |
| 5 | | | | | CS-212 GP+-I | | |
| 6 | CS_lab.IL | CS. Lab.II TYBE | CS. Lab TE | | | | |
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Time- Table

| P. N. | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|-------|--------------------|--------------------|---------------------|----------------------|---------------------|----------------------|-----|
| 1 | | | | | | | |
| 2 | CS-324 PHP | CS.324 PHP | CS.324 | (3. 203 CC (1982) | CB. 203 CB (186) | CS. 203 Ce (1986) | |
| 3 | | | · | C9.203 Ce(1/82) | | | |
| 4 | | | C5-324 PHP | CS-222 C7+-# | CS . 222 C++-II | C9.222 C41-II | |
| 5 | | | | | CO. 222. C++-II | | |
| 6 | CS_Lab-II TYBBC | CS dab-II TYBBC | CS.lab. II TYBSc | | 917-4 | | |
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Calendar Planning of Faculty Activities

. scope and objectives:

Computer Science is Governed with the design modelling, analysis of applications of Computer related Systems. Its study at RCP, Acs provides education at the undergraduate of post graduate devels necessary to understand, design, implement of use the SIN. HIN of digital Computers of digital systems.

The program Provide Comprehensive of Integraled studies of subjects in Computer science, fisheitecture Computer metronks, distributed Computer systems. Programming Languages of slw system information of duto management, artificial Intelligence. Computer science theory, Computational systems, biology of bioinformatics, Computer Vision of graphics.





Course Objective / Course Outcome

- * Program outcomes: Analyte a Complex Computing Perselement and to apply Bineiples of Computing of other relevant disciplines to identify colutions
- 2 Design, implement and evaluate a Compositing based solution to meet a given set of Compositing requirements in the Content of the programs discipline.
- 3. Communicate effectively in a Variety of Turfessional Gulents
- 4. Recognite Professional responsibilities and make informed judgments in Computing Postice based on legal and ethical Principles.
- 5. Function effectively as a member or leader of a team engaged in activities appropriate to the Trograms discipline.
- 6. Apply Compreter Science theory and SIN development fundamentals to produce Compreting based solution





Course Objective / Course Outcome

* Cruise outcomes

1. Apply algorithmic, mathematical and scientific reasoning to a Variety of Compositational Possilens.

2. Design. Correctly implement and document columns

to significant Computational Prosterns.

3. Analyze and Compare alternative solutions to Computing

4. Implement 8/N systems that meet specified design

and performance requirements.

5. Work effectively in teams to design and implement sofutions to Computational problems.

6. Communicate effectively, both orally and in writing

7. Recognize the Social and effectal responsibilities of a Partessional working to the discipline.





Course Objective / Course Outcome

North Maharashtra University, Jalgaon T. Y. B. Sc. (Computer Science) (w.e.f. June -2017) Computer Aided Graphics (UG-CS-314) Semester-I

> Total lectures: 60 Total Marks: 90

[L:08 M:16]

[L:06 M:12]

Unit-1: Introduction to Graphics

1.1 The origin of computer graphics

1.2 Application of Computer Graphics How the interactive graphics display works.

1.3 Definitions: Pixel, Resolution, Interactive, Non interactive graphics, Aspect Ratio, Active graphics, Passive graphics,

1.4 How the interactive graphics display works.

1.5 Display types: Random Scan and Raster Scan

Unit-2: Line Drawing Technique

2.1 Co-ordinate Systems

2.2 The Simple DDA

2.3 The Symmetrical DDA

2.4 Bresenham's line drawing Algorithm

2.5 Bresenham's circle drawing Algorithm

Unit-3: Two Dimensional and Three Dimensional Transformations [L:16 M:20]

3.1 Transformation principles

3.2 Concatenations

3.32D Matrix Representation

3.4 3D Transformations

3.5 Transformation in Viewing

3.6 The perspective Transformation

Unit-4: Clipping and Windowing

4.1 Define: Clipping, Window, view port

4.2 Cohen-Sutherland algorithm

4.3 Mid-point Subdivision

4.4 Polygon Clipping and flowchart to clip each polygon vertex and closing routine

4.5 The Windowing Transformation

4.6 3-D Clipping

Unit-5: Raster Graphics and Solid Area Scan-Conversion

5.1 Introduction

5.2 Scan Converting Line Drawings

5.3 Scan Converting Polygons

5.4 Coherence

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[L:14 M:16]

[L:08 M:12]



R. C. PATEL EDUCATIONAL TRUST



Course Objective / Course Outcome

5.5 (YX) Algorithm

5.6 Priority: Painter's Algorithm

Unit-6: Hidden Surface Elimination

6.1 Object Space and Image Space Algorithms

6.2 The Depth Buffer Algorithm

6.3 Warnock's Algorithm

[L:08 M:12]

Reference:

- 1. William M. Newman and Robert F. Sproull, "Principles of Interactive Computer Graphics", ISBN: 9780074632932 (Second Edition), Tata-McGraw Hill Publication
- 2. Rogers," Procedural Interactive Computer Graphics", ISBN- 978-070486775, McGraw Hill Book Company Ltd.
- 3. Mathematical Elements of Interactive C.

CS-DSC 2 C

Theory: 30 Hours

CS-DSC 2 C: COMP-212: Programming in C++-I

Unit 1.IntroductiontoC++

(6 L, 18M)

1.1Basics of C++, Structure of C++ Program

1.2 keywords in C++, Data types hierarchy in C++

- 1.3 Operators in C++, Scope resolution operator, Insertion and Extraction operator, New and Delete operators, reference operators.
- 1.4 Manipulators: endl, setw, setfill, set precision.

Unit 2. Classes and objects

(8 L, 18M)

- 2.1 Classes, object, Specifying a class, Access specifiers, Class members
- 2.2 Defining member functions: Inside and Outside the class definition
- 2.3 Creating objects.
- 2.4Array of objects, Pointer and object, Array of pointer to object.

Unit 3 .Functions in C++

3.1 Basics of function and its need.

(6L,18M)

3.2 Functions Prototype.

3.3 Call by value, Call by reference with object.

- 3.4 Functions with default arguments.
- 3.5 Inline function.
- 3.6 friend function, friend class.

Unit 4 . Function Overloading

(4L,18M)

- 4.1 Concept of Polymorphism
- 4.2 Function overloading, function overloading with arguments
- 4.3 Scoping rules & features of function overloading.

Unit 5. Operator Overloading

(6 L,18M)

- 5.1 Introduction to operator overloading, rules of operator overloading
- 5.2 Operator overloading:
 - 5.2.1 Unary and binary operators,
 - 5.2.2 Comparison, arithmetic, assignment operator,
 - 5.2.3 Overloading new & delete operators

Reference Books:

- 1. Object oriented programming with C++, E Balgurusamy, ISBN-10: 9383286504; ISBN-13: 978-9383286508
- 2. Programming with C++ D Ravichandran, ISBN, 0070681899, 97800706
- 3. Programming in C++ by John H Hubbard, ISBN-10: 0071353461
- 4. Mastering C++ by K Venugopal, Rajkumar, T Ravishankar, ISBN-10/ASIN: 0074634542





Course Objective / Course Outcome

Sem – II Paper – II Theory: 30 Hours

CS-DSC 2 D: COMP-222: Programming in C++-II

- Unit 1. Constructors and Destructors (6 L, 20 M)
- 3.1 Concept of Constructor.
- 3.2Types of Constructor: Default Constructor, Parameterized Constructor, Copy Constructor.
- 3.3Overloaded Constructors in a class.
- 3.4Constructor with default arguments.
- 3.5 Destructors.

Unit 2. Inheritance and Extending Classes (10L, 20M)

- 2.1 Introduction to Inheritance
- 2.2 Types of Inheritance
- 2.3 Derived Class Constructors
- 2.4 Benefits of inheritance in C++
- 2.5this pointer.
- 2.6Abstract class, pure virtual function.

Unit 3. Exception Handling (4L,14M)

- 3.1Concept of Exception Handling mechanism
- 3.2 Concept of try, throw and catch
- 3.3 Multiple catch statements
- 3.4 Standard Exception in C++

Unit 4. Templates & Introduction to Standard Template Library (4L, 18M)

- 4.1Basic of templates, Function templates, Class templates
- 4.2 Templates with multiple parameter
- 4.3 Introduction to STL,
- 4.4Components of STL, Containers (Sequence, Associative & Derived)

Unit 5. Working with Files (6 L,18 M)

- 5.1 Introduction
- 5.2 Hierarchy of File Stream Classes.
- 5.3 Opening and Closing Files.
- 5.4 File modes
- 5.5 File Input/output with fstream class.

Reference Books:

10bject oriented programming with C++, E Balgurusamy, ISBN-10: 9383286504; ISBN-13: 978-9383286508

- 2. Programming with C++ D Ravichandran, ISBN, 0070681899, 97800706
- 3. Programming in C++ by John H Hubbard, ISBN-10: 0071353461
- 4. Mastering C++ by K Venugopal, Rajkumar, T Ravishankar, ISBN-10/ASIN: 0074634542

North Maharashtra University, Jalgaon T. Y. B. Sc. (Computer Science) (w.e.f. June -2017)

UG-CS-323 Internet Programming using PHP Semester II

Total lectures: 60 Total Marks: 90

Unit - 1 The Basics of PHP L:16 M:24 1.1 Introduction to PHP 1.2 Features & Drawbacks of PHP, How PHP Works? 1.3 Version of PHP 1.4 Lexical Structure of PHP 1.4.1 Structure & Syntax of PHP 1.4.2 PHP with HTML 1.4.3 Comments 1.4.4 Data Types and Variables 1.4.5 Operator 1.5 Flow Control Statements 1.5.1 Conditional Statements 1.5.2 Looping Statements 1.5.3 Exit, Return, Die, Include and Require Statements Unit - 2 Arrays, Function and String L: 12 M: 20 2.1 Introduction to Array 2.1.1 Index Vs Associative Array 2.1.2 Multidimensional Array 2.1.3 Different array function in PHP 2.1.4 Traversing arrays, Sorting arrays 2.2 Introduction to Function 2.2.1 Defining and Calling a function 2.2.2 Scope of variables in function 2.2.3 Function Parameters 2.2.4 Returning Values from a function 2.2.5 Recursive Functions Types of strings in PHP 2.3 2.4 Printing functions 2.5 Comparing strings Manipulating and Searching strings 2.6 2.7 Regular Expressions Unit - 3 Object-Oriented PHP L: 12 M: 16 Introduction and Benefits of OOPs 3.1 3.2 Creating a Class Creating an Object 3.3

3.3.1 Adding a Method3.3.2 Adding a Properties

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| 3. | .3. | 3 | Visibility | (Public, | Private and | Protected) |

- 3.4 Constructor and Destructors
- 3.5 Inheritance (Extending a class)
- 3.6 Abstract classes, Final classes
- 3.7 Interfaces
- 3.8 Exception handling
- 3.9 Serialization

Unit - 4 Web Techniques

L: 10 M: 14

- 4.1 Introduction
- 4.2 HTTP Basics
- 4.3 Processing Forms
 - 4.3.1 Methods (Get and Post Method)
 - 4.3.2 Parameters (\$_GET and \$_POST)
 - 4.3.3 Self Processing Pages
 - 4.3.4 File Uploads
- 4.4 Maintaining State
 - 4.4.1 Cookies
 - 4.4.2 Sessions
 - 4.4.3 Combining Cookies and Sessions

Unit - 5 PHP with MySQL

L: 10 M: 14

- 5.1 Introduction to MySQL
- 5.2 Interaction between PHP and MySQL, PHP, PHP functions to manipulate MYSQL database
- 5.3 Error Checking
- 5.4 Execute DDL Statements
- 5.5 Execute DML Statements

References Books:

- RasmusLerdorf and Kevin Tatroe, "Programming PHP", ISBN: 978-1-56592-610-3, O'Reilly publication, 2002
- 2. Dave W. Mercer, Allan Kent, "Beginning PHP 5", ISBN: 978-0-7645-5783-5, Wrox publication, July 2004.
- 3. W. Jason Gilmore, "Beginning PHP and MySQL", ISBN: 978-1-4302-3115-8, 3rd edition, Apress Publication.
- 4. Ivan Bayross and Sharnam Shah, "PHP 5.1 for Beginners", ISBN: 9788184040753 SPD Publication 2007

Websites:

- 1. http://www.php.net.in
- 2, http://www.w3schools.com
- 3.http://www.tutorialpoints.com

North Maharashtra University, Jalgaon T. Y. B. Sc. (Computer Science) Lab on - Internet Programming using PHP UG-CS-LAB- 305

Semester-II

- 1. Design web pages using HTML that will contain online admission forms.
- 2. Write PHP scripts that demonstrate fundamentals PHP.
- 3. Write PHP script that will display grade based on criteria given below using the marks obtained in T.Y.Bsc. Examination.
 - a. Distinction (70 and above)
 - b. First Class (60 69)
 - c. Pass (40 59)
 - d. Fail (below 40)
- 4. Write a PHP script to demonstrate different String functions.
- 5. Write a PHP script to demonstrate array.
- 6. Write a PHP script to use Functions (Call by Value, Call by reference).
- 7. Write a PHP script to Demonstrate OOPS Concept in PHP.
- 8. Write a PHP script to demonstrate Exception Handling.
- 9. Write a PHP script to demonstrate Form Data Handling using Get and Post methods.
- 10. Design a database in MYSQL using PHP. Create table in database. Store, Update, Delete and Retrieve data from the table. Display the data from the table.
- 11. Write a PHP script to store, retrieve and delete cookies on your local machine.
- 12. Write a PHP script to store, retrieve and delete data using session variables.

North Maharashtra University, Jalgaon T. Y. B. Sc. (Computer Science) (w.e.f. June -2017) Elective A - LAB on Web Programming using ASP.NET

(UG-CS-LAB-306 A) Semester-II

- 1. Write an ASP .net program that demonstrate use of HTML Controls
- 2. Write an ASP .net program that demonstrate use of web controls.
- 3. Write an ASP .net that return the windows name of your computer and URI of the page that you are visiting.
- 4. Write an ASP .net program that demonstrate use of Validations Controls.
- 5. Write an ASP .net program that demonstrate use of Intrisic Objects.
- 6. Write an ASP .net program that demonstrate Application and Session Scope Variables using Global.Asax
- 7. Write an ASP .net program that demonstrate Page directives.
- 8. Write an ASP .net page that used the connection object to connect the database and display information using datagrid Controls.

2. Stuart Jonathan Russell, Peter Norvig, "Artificial Intelligence – A modern approach", illustrated, 2010, ISBN:9780136042594, Prentice Hall.

CS-203 Compiler Construction

Unit-1 Introduction to Compilers

[M:10, L:8]

The structure of a compiler, Phases of Compilation: the Analysis – Synthesis Model. Applications of Compiler, Compiler Construction Tools.

Unit-2 Lexical Analysis

[M:15, L:12]

A simple approach to the design of lexical analyzers, Role of lexical analyzer ,tokens,patterns,lexeme,lexical errors ,Specification of tokens, Recognition of tokens, lexical analyzer generator LEX, Regular expressions, Finite automata, From regular expressions to finite automata, Minimizing the number of states of a DFA.

Unit-3 Syntax Analysis

[M:25, L:14]

Context-free grammars, Derivations and Parse trees, Ambiguous grammar, Role of parser, typesof Parsers: Top down Parsing, Problems in top down parsing, recursive parsing, problems in recursive parsing, predictive parsing, error recovery in predictive parsing.(LL(1)), Bottom –up parsing, Shift-reduce parsing, Actions in Shift reduce parser, Operator-precedence parsing, its advantages and disadvantages, error recovery in operator precedence parser, LR parsers: Simple LR, LR (1), LALR parser.

Unit-4 Intermediate Code generation

[M:10, L:8]

Need of Intermediate code generation, three address code, Quadruples, triples, indirect triples and blocks

Unit 5 Code optimization

[M:15, L:10]

Need of code optimization, classification of code optimization techniques, and optimization within basic blocks:Folding, Redundant operation elimination. Withinloop: Strength reduction, Dead code elimination, Moving operation within block, out of block.

Unit 6 Symbol Table Organization

[M:15, L:8]

Methods of organizing symbol table: Unsorted, sorted symbol table, Binary Search, hashing technique, its advantages and disadvantages, Collision resolution techniques: Rehashing, Chaining.

References:

- Alfred V. Aho, Monica S. Lam, Ravi Sethi, Jeffrey D. Ullman, "Compiler Principle, Techniques and Tools", 2nd Edition illustrated, ISBN: 9781292024349, Pearson Addison Wesley.
- 2. William A. Barret, John D. Couch, "Compiler Construction Theory and Practice", Computer Science Series, 1979, ISBN: 978-0574213358, Asian Student Edition.
- 3. Dhamdhere D. M., "Compiler Construction Principle and Practice", 2002, ISBN: 9780333904060, McMillan India.
- 4. David Gries, "Compiler Construction for Digital Computers", 1st Edition, 1971, ISBN: 9780471327769, Wiley.
- 5. David Galles, "Modern Compiler Design", 2nd Edition, 2009, ISBN: 9788131709412, Pearson Education.





Lecture Planning (Teaching Plan)

| 1 | class: T. | Y. 15 . | Division subject | CAG |
|------------|-----------|--|-------------------------------|------------------------------------|
| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | 01/07119 | 01 | Origin of Computer graphics | Compreter Graphics |
| 2 | 02/07/19 | 02 | Application of CG | Appln of CG |
| 3 | 03/07/19 | 03,04 | How interactive grapleics DW. | Working of Graph |
| 4 | 08/07/119 | 05 | Basic Refinitions | Definitions |
| 5 | 9/07/119 | 06 | Passive Vs Interactive | Compare of Gutast |
| 6 | 10/07/119 | 07,08 | Random Vs Raster Scan | Comparision |
| 7 1 | 5/07/19 | og | Co. ordinate systems | G. ordinate System |
| 3 1 | 6/07/19 | 10 | The Dimple DDA | Simple and |
| 1: | 7107119 | 11,12 | symmetrical DDA | Symmetrical ODA |
| + | 2/07/19 | 13 | Bresehan's line d.A. | Everenteami lin |
| + | 4107119 | 14,15 | Bresenteanis circle Q.A. | Bresenteanis circle |
| +- | 0107119 | 16 | Liversple of line drawing A. | Ramples |
| - | 107119 | 17,18 | Transfer 1: | Transformations |
| +- | 108/19 | 19 | Concatenations | |
| 06 | 108/19 | 0 | SD Mati | Concatenations |
| | Same | | the manual of | 20 Matrix Re. |

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Lecture Planning (Teaching Plan)

| | ectures Required as | s per the Sylla | Division Subject:bus | 14 |
|------------|---------------------|-----------------|---------------------------------|------------------------------------|
| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | 9/08/19 | 21,22 | ensiteantener a & | 3-D Transform |
| 2 | 13/08/119 | 23 | Transformation in viewing | Viewing |
| 3 | 14108119 | 24,25 | The Rerspective Pours formation | Perspective Transf." |
| 4 | 19/08/19 | 26 | Define Clipping, Window, Vp | Definitions |
| 5 | 20/08119 | 27 | Coleen Seutleerland algorithm | G-Suffeerland al. |
| 6 | 21/08/19 | 28,29 | Mid-Point Subdivision | Mid-Point sab. |
| 7 | 26/08/119 | 30 | Robygen clipping of flow deart | Rolygon clipping |
| 8 | 24/08/19 | 31 | Windowling Toansformation | Hindowling Towns |
| 9 | 28/08/19 | 32,33 | 3-D clipping | 3-8 dipping |
| 10 | व्यि०१।।१ | 34 | Introduction | Introduction |
| 11 | ळ ज्या व | 35 | Slan Gowerting Gne Drawings | Gine Drawings |
| 12 | 04/09/19 | 36,37 | San Converting Polygens | Polygons |
| 13 | 919119 | 38 | CoHerence | Coteerence |
| 14 | 1109119 | 39,40 | CYX) Algorithus | Yx - Algo- |
| 15 | 16/09/19 | 41 | Paionty: Painter's Algenithem | Painters Alga. |
| | | | | |





Lecture Planning (Teaching Plan)

| 4 | Class: | Y.B.Sc. | Division Subject: | CAG |
|-----------|-----------|----------------|------------------------------|------------------------------------|
| Sr. No | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | 17/09/19 | 42 | object space | osjeet space |
| 2 | 18/09/19 | 43,44 | Image Space Alge. | Image space |
| 3 | २७/व्य।।व | 45 | object vs mage space. | Comparision |
| 4 | 24/09/19 | 46 | Depth Buffer Algo. | Depth Briffer A |
| 5 | 25709119 | 47,48 | Area Ofference Algo. | Area Conterence Aga |
| 6 | 30/09/19 | 49 | Examples on 2-0 Trans. | 2-0 Tranel, |
| 7 | 01/16119 | 50,59 | Examples on Simple DDA | Laureles |
| 8 | 4/10/11 | 52 | Example on Chen Sutherland | Manyeles |
| 9 | 9/10/19 | 53,54 | Pest retorial on 1.3 chapt. | Pest Tetrosa |
| 10 | 14/10/19 | 55 | Question Rafer Gample. | Ouestion later |
| 11 | 15/10/19 | 56 | Objective questions | osjectire |
| 12 | 16/10/19 | 57,58 | Test Retorial on 4-6 cheapl. | |
| 3 | 12/10/19 | 59 | ouestion Paper solve | auestin later |
| 4 0 | 8/10/19 | 60 | Random & Rasler Graphics | Comparision |
| 5 | | | Detailing. | |
| | | | 1 | |

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Lecture Planning (Teaching Plan)

| Cla | ass: <u>5.1</u> | 1.B.Sc | Division Subject: Too | gramming to C++. I |
|------------|--------------------|----------------|--------------------------------------|------------------------------------|
| Le | ctures Required as | per the Sylla | bus | |
| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | 4107119 | 01 | Rasics of C++ | Rasics of C++ |
| 2 | 5107119 | 02,03 | Streeture of C++ Poogram | Streeture of CPA |
| 3 | 6107119 | 04 | Keywoods in GA+ | Keywerds in CAP |
| 4 | 11/07/19 | 05 | Data types in C++ | Data types |
| 5 | 1207119 | 06,07 | operators in C++ | operators in C++ |
| 6 | 13107119 | 08 | Scope resolution operator | Slope resolution op. |
| 7 | 18/07/119 | 09 | Insertion of Extraction operator | Insertion Extrac. op |
| 8 | 19107119 | 10,11 | New of Belele operator | New Belete, openin |
| 9 | 20107119 | 12 | reference operators | reference operators |
| 10 | 25/07/19 | 13 | Manipulators: end , selw | Maniprelators |
| 11 | 26/04/19 | 14,15 | Mariprelators: Selfill, Selfrecision | Manipulatra |
| 12 | 27/4/19 | 16 | class - object | Class - osject |
| 13 | 01/08/19 | 17 | Access specifiers | Access Specifiers |
| 14 | 02/08/19 | 18,19 | Inside foretside He class de | noside foutside |
| 15 | 3/08/19 | 20 | Creating objects | Creating osjects |
| | Sign. of Teach | ner | Sig | n. of MOD / Vice Phincipal |





Lecture Planning (Teaching Plan)

| | class: <u>S.C.</u> | 1.13.9c. | | regramming to C++.1 |
|------------|--------------------|----------------|----------------------------------|------------------------------------|
| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | 08/08/19 | 21 | -tray of objects, Perinter | Array of objects |
| 2 | 09/08/19 | 35,53 | Rasics of function | Basics |
| 3 | 10/08/19 | 24 | Coul by value, Call by reference | Cell by Value |
| 4 | 15/08/119 | 25 | functions with default argu. | fun chotte def. |
| 5 | 16/08/119 | 26,27 | Inline function. | Inline func |
| 6 | 22/08/19 | 28 | friend function, friend class | Friend friends |
| 7 | 24108119 | 29 | Concept of Polymorpheism | Polymosphism |
| 8 | 29/08/19 | 30 | function Nerloading | function overlanding |
| 9 | 30/08/19 | 31,32 | function overloading with a | g. Overloading with an |
| 10 | 31/08/19 | 33 | Scoping rules of features | Sloping rules |
| 11 | 5109119 | 34 | example function overloading | |
| 2 | व्ह व्या । व | 35,36 | Example inline, friend func | Example |
| 3 (| 07/09/19 | 37 | operator overloading | operator overlanding |
| 4 1 | 2/03/19 | 38 | Rules of operator overloading | Reles of 0.0 |
| 5 | 13/19/19 | 39,40 | Unary operators | may operators |
| | 00 | | | |

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Lecture Planning (Teaching Plan)

| | ctures Required as | | Division Subject: | ogramming in CP+-E |
|------------|--------------------|----------------|-----------------------------------|------------------------------------|
| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | 14109119 | 41 | Binary operators | Binary operators |
| 2 | e1 E0 E1 | 42 | Comparizion operators | Comparision operators |
| 3 | 20/09/19 | 43.44 | Arithmetic & Assignment oper. | -Airthemetic & Assign. |
| 4 | 21109119 | 45 | overloading operators | Wertooding opera. |
| 5 | 26/09/19 | 46 | Example of overloding op. | Dramples |
| 6 | 24109119 | 47,48 | overtoading New op. | Wertoading New op. |
| 7 | 28/09/19 | 49 | overloading Delete op. | Delete op. |
| 8 | e110118 | 56 | Comparision func is operator over | Comparision feur c |
| 9 | 01101140 | 57,52 | Example on Maripedatoss | Damples |
| 10 | P1101720 | 53 | Example on reference op. | Lamples |
| 11 | 10 16 19 | 54 | Example on Scope res. op. | Examples |
| 12 | 1111119 | 55,56 | Example on Call by Value. | Examples |
| 13 | 12/10/19 | 57 | Test Patonal-192 | Test Tectorial |
| 14 | 17/10/19 | 58 | objective type auestions | osjective aus. |
| 15 | 18110119 | 53, | Ortre Question Rafer 155. | Solve alles |
| | | | | |





| oll o. | Name of Student | Date | 4/7/19 | 517/19 | 61/119 | 61/2/11 | 12/7/19 | 131719 | 18/7/19 | 19/7/19 | 201719 | 277119 | 2617/19 | 1121 | 8119 | 18119 | 119 | 119 | 8/19 | 611 | 1/9 | ? |
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| _ | | .No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | - | 14 | 1- | 1 | 17 | 18 | 19 | 9 |
| | chaudtrati Ewapnali | L. | P | P | P | P | P | 1 | A | 1 | P | r | Y | 1 | P | P | P | P | P | P | P | |
| | Dhangar Gayatti ? | <u>Y</u> | P | P | P | P | P | Y | P | P | P | P | P | P | P | P | P | P | P | P | P | |
| | Gavil Amistea G. | | P | P | P | P | P | P | P | r | r | P | P | A | P | P | P | P | P | P | P | > |
| | Koti Renukla A. | | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 4 | A | P | P | P | , |
| | Pawara Lakshooi A | i. | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 1 |
| | Saner-Astroini D. | | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | 1 |
| | Thakare chetano | H, | P | P | P | P | P | P | p | P | P | P | P | P | P | P | P | P | P | A | P | 1 |
| | Nogh Ruckita R. | | P | P | P | P | P | p | 1 | P | P | P | P | P | P | P | p | P | P | P | p | 1 |
| | Chaudheari Kalpesh | S. | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | p | P | p | 1 |
| | Gavale liladear 1 | ς. | P | A | P | P | P | P | P | P | 0 | P | A | P | P | P | P | p | p | p | P | 1 |
| | Gujar matest R | | P | P | p | P | P | P | p | A | P | P | P | P | P | P | P | P | P | - | • | - |
| | Jadkar Rabul M. | | P | P | P | P | ٨ | 0 | P | 0 | P | P | p | P | D | - | P | P | P | P | P | - |
| | Mahajan Darstean | D. | P | P | P | P | 0 | 0 | P | b | P | p | A | P | P | P | P | P | - | - | - | - |
| | Nikuro Shubkaro | | P | P | P | P | P | 0 | 1 | 0 | 0 | | P | 0 | 0 | P | - | - | P | P | P | - |
| | Patil Rupest G. | | P | P | A | P | P | P | P | 0 | P | p | P | P | P | P | P | P | - | P | P | - |
| | Ctroudtean Plyusty | Ρ. | P | P | P | P | P | P | P | P | A | - | 0 | | P | - | - | - | - | | - | |
| | Charan Shanu V. | | P | P | P | P | A | P | P | D | 0 | P | | | | P | P | P | P | - | P | |
| | Girase Shubkaugi | A. | P | A | P | P | P | P | D | 0 | P | - | P | | | P | P | P | P | | P | |
| | Oswal Sankalp S. | | | P | p | P | P | A | P | - | P | P | 0 | P | - | - | P | - | | - | 1 | 1 |
| | Patteak Psento N. | | P | | P | P | p | P | P | | - | - | 0 | - | - | - | | - | - | P | - | - |
| | Rajput Gawar A. | - | P | P | P | D | P | P | | - | - | 4 | - | P | - | - | | - | - | P | P | |
| | Sandleansteive Tograt | ic. | P | P | | P | A | P | P | P | | | P | - | P | - | P | - | P | 2 | n | |
| | Wagt Saparla R. | | P | P | - | | - | P | - | P | - | - | - | _ | - | - | - | | P | r | 0 | |
| | Boguel Gunvant V. | | P | A | - | - | 10 | 0 | P | | 2 | - | - | - | PI | - | - | - | | P | r | |
| | Birteade Priyauka | S. | • | P | - | P | _ | - | À | - | 1 | - | - | - | - | - | - | - | | P | 1 | |
| | Borgujar Hegten P | | _ | þ | P | - | 0 | - | | - | P | - | P | | PF | - | - | PI | - | P | 1 | |
| | Shalkar Jayaskee | A. | - | | p | - | _ | P | 0 | 1- | - | P | r | - | PF | - | - | - | - | P | 4 | 1 |
| | Bharrare Hasty P | | - | - | 1 | - | P | 0 | P | - | - | - | - | - | PI | - | - | PF | P | | + | 1 |
| | BHOI Astrano J. | | A | 1 | - | P | P | 0 | P | 1 | 10 | - | - | - | - | - | P | | | | | • |
| | Girase Kawita s | | - | r | P | 0 | 9 | - | P | | 1 | 2 | P | P | PP | 1 | 2 8 | 1 | , 1 | P | 1 | 1 |





| oll Io. | 22/8/19 | 24/8/19 | 2918119 | 30/8/19 | 2/3/19 | | 6/3/19 | 418119 | 12/9/19 | 13/9/19 | 14/3/19 | 1919119 | 20/9119 | 21/3/19 | 26/9/19 | 27/9/19 | 28/9/19 | 3/10/19 | 4118119 | 5110119 | 18/18/19 | 11/18/19 | 12/10/19 | 17/18/19 | 18110115 | 61/1/8/ 45 | 46 |
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| _ | 21 4° | 22 | 23 P | ₽ | 1 | - | 26 P | 27 P | 28 P | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 P | | 40 | 41 | 42 P | 43 P | 44 P | P | 40 |
| | P | P | A | P | 1 | _ | P | P | P | P | | A | 9 | P | P | P | 0 | P | P | P | P | P | P | P | P | P | |
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| 1 | 1 | P | P | F | 2 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | + |
| | P | P | P | P | - | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | + |
| | 1 | P | P | 1 | - | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | + |
| | P | P | P | F | - | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | + |
| 1 | P | P | P | P | - | P | 9 | P | P | A | P | P | P | P | P | P | P | P | P | P | P | + | P | P | P | P | + |
| | P | P | P | P | + | P | r | P | P | P | P | P | P | P | P | 10 | P | P | | P | P | P | P | P | P | P | + |
| | P | P | P | P | - | P | P | P | P | P | P | P | P | P | + | P | A | P | P | P | P | P | P | P | - | P | + |
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| Roll | Name of Student | Date | 6 | 6 | 13 | 67 | 0 | 6 | 10 | 119 | 119 | 61, | 19 | 13/19 | E | ject: | 119 | 79 | 19 | | 1 | 1 |
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| No. | Name of Student | Date | 1414 | 51719 | 617/1 | 117/13 | 611742 | 13/7/19 | 114181 | 1977 | 2017/19 | 2517/19 | 2617119 | 4/48 | 118/19 | 186 | 7 | 0 | - | 1 30 | 1518719 | 1 |
| | | L.No. | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | 13 | | | THE PERSON NAMED IN | 17 | 18 | - | 1 |
| | Girase Punam B. | Í | P | P | P | P | P | P | 4 | P | P | P | P | P | P | P | P | P | P | P | P | 2 |
| | Gujar Bagati P. | | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | 1 / |
| | Jacker Jagreti R. | - | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| | Jadlear Parja M. | | P | P | P | P | Þ | P | P | P | P | P | P | P | P | P | P | 4 | P | P | P | P |
| | Matale Telasmini | N. | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| | Plati Raving M. | 7 | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | 1 |
| | Patil Bhanastere B | | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P |
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| | Patil Charsini M. | | P | A | 1 | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P |
| | Patil Madheut R. | | P | P | P | R | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P |
| | Patil megleo m. | 1 | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | A | P | P |
| | Rajpert Tayasteri P. | 1. | A | P | P | P | P | P | P | P | P | P | P | ρ | P | P | P | P | P | P | P | P |
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| | Yestei Devoyani B | | P | P | P | P | A | - | P | - | - | - | - | 2 | - | | - | | | - | - | P |
| 1 | Bilade Umestr 17. | | P | A | A | P | P | P | P | P | | P | - | - | - | | | P | | | | P |
| 7 | Nagare Gayatti G | | P | P | P | P | 4 | P | - | - | - | P | - | - | - | - | - | P | - | - | P | _ |
| 9 | Patri chandbrais. | | P | P | PF |) (| _ | - | - | - | - | - | - | - | - | - | P | P | - | - | - | P |
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| | Partil Biteauth A. | 1 | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | 8 | P | P | A | P |
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| | Patil Darstean A | | P | A | P | 8 | P | P | P | P | P | P | P | P | P | P | P | 8 | P | P | 9 | P |
| | Patil Harsteada R | , | P | P | e | P | 1 | P | P | P | P | P | P | P | P | P | P | 1 | P | P | P | P |
| | Patil Tagouti R. | | P | P | A | P | P | P | P | P | P | 8 | P | P | P | P | P | P | A | P | P | P |
| | Patil Kayawi 71. | 1 (| P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | - | F |
| | Patil Kauetean S. | | P | P | 9 | P | A | P | 8 | 0 | P | P | P | P | P | P | A | P | P | P | P | P |
| | Patil Nutar V. | 1 | P | P | P | P | 8 | 8 | P | P | P | P | 8 | P | P | P | P | P | P | P | P | F |
| | Patil Pallaris. | , | P | P | A | P | P | 9 | 8 | P | P | P | P | P | P | P | | P | - | P | A | F |
| | Patil Rektea V. | 7 | P | P | P | 8 | P | A | P | P | P | P | P | A | P | P | P | P | P | - | P | P |
| | Patil Shubberigi & | 3, | P | P | P | P | 8 | A | 9 | P | P | P | P | P | P | P | P | P | - 1 | P | P | R |
| | Patil Trupti K. | | P | P | P | P | P | P | 8 | P | P | P | 9 | P | P | P | P | 8 | P | - | 1 | F |
| | Patil Yogita K. | 41 1 | P | A | 9 | P | 8 | P | P | P | P | 9 | A | P | P | P | P | P | P | 0 | P | P |
| _ | Pawar Ajay 9. | | P | R | 9 | 8 | 8 | P | 9 | P | P | P | P | P | - | A | - | P | P | P | P | P |
| | Power Dlebnosteri | P. | P | 9 | 8 | A | 8 | P | P | 9 | P | P | P | P | P | P | P | P | 9 | P | A | - |
| | Pawer Sagar A. | | P | V | 9 | 8 | 8 | P | P | P | P | P | P | P | P | P | P | P | P | - | P | P |
| | Pawar Tejassible f | ۲. | P | 9 | P | 8 | 8 | 1 | 8 | P | P | P | P | P | P | P | P | A | P | P | P | P |
| | Raput Dinga P. | | 1 | P | A | 8 | P | P | P | 8 | 9 | P | 9 | 8 | P | 0 | P | 9 | P | P | P | P |
| - | Ropert Netra Y. | - ' | P | 4 | 8 | 8 | 8 | P | P | 8 | A | 9 | 9 | 9 | P | P | P | P | P | P | 0 | P |
| | Raput Poyal V. | 1 1 | P | 8 | P | P | 8 | P | P | P | P | 9 | P | A | P | P | P | 0 | P | P | P | P |
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Attendance Sheet (Theory / Practical/Tutorial) rial)
Subject: Internet Ing. U. Pap Class: T.Y.B.Sc. Roll Date Name of Student No. 10 11 12 13 14 15 16 17 18 19 20 6 3 L.No. P P P P P Saner Barraini P. 8 P P P A' Soner Horsal V. P P P Sarale Ting V. P P P Skinspi steardrotal 3. P P Shinde Dipali P P P P Bisodiya Harsteada Y. P P P Bonowane Vaiskali 3. P P P P P P P P P Bonawane Himanstu S. P P P P P P P P Congrane Agriti V. 0 P P 8 P Survavanski Bhavest A. P P PP





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Lecture Detail

| Day & Class | s Subject | Syllabus Planned | Syllabus Covered | References |
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| Monday 7 /06/2019 | | Admission Grundling: UG | | |
| Tuesday 3-/06/2019 | | Admission Committee Member UG | | |
| /ednesday /06/2019 | | -Admission Counselling: UG | | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
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| Thursday 20/06/2019 | | | 82ebmission & Venification of Project: MSc. | | |
| Friday 2] /06/2019 | | | Guidelines to PG Students about Project Viva. | Toga day at R.C. Retel B.phamacy Gra | rsa |
| Saturday 29/06/2019 | | | AntiRagging Form | | |
| Remarks | 200 | | 2 \$144.13 V %1 | | |

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Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
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| Monday 2 4 /06/2019 | | | Project Viva External Exampiner at Chalisgoon | 1 | |
| Tuesday 5/06/201 <u>9</u> | | | Project viva of P.G. Students Admission Committee | | |
| Vednesday Vog /2019 | | | Caual Jeane | | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
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| Thursday 7/07/2019 | | | AntiRagging Committee Admission Committee Result Hoodysis: VG | - + 13 ·· | |
| Friday 28/66 /2019 | | | AptiRogging Goomittee Admission Goomittee Result analysis: Va | χ | |
| Saturday 29 /06 /2019 | | | TreParation of workdood | . Prefaration Time Table | of UG |
| Remarks | | | 3.7.15 | | \$ at al. |

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Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
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| Monday 01 /07/2019 | | Composter Aided Grapleics | Origin of Computer Graphics | Compater | Computer Aided Grapteics 137 Newtonap |
| Tuesday /67 /201 <u>9</u> | TYBSc | CAG | Application of Cer | Apples of Cer | CAG By Neviron |
| /ednesday /07 /2019 | TYBS _C | CAG | How Interactive Compositer Grapteics Does Works? | Interactive Competer Graphic | CAG BY NewTonan |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
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| Thursday 4 /07/2019 | SYBS _c | Pargramming | - Bosics of C++ | Bosics | Foogramming in G++. By K. Verngaga |
| Friday 3 <i>5 1</i> 07 /2019 | 4 | C++-I | Structure of C++ Ingrame - structure of C++ Igns. | Storeture | Mastering in C++ By K. Venugopal |
| | SYBS | C++ - I | - Keywords in C++ | Keywords | Masteriuq to C++ By K. Venugapal |
| Remarks | 5013 | | (v)r_v=0 = = ± = ± | | 5eeg). |

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THE SHIRPUR EDUCATION SOCIETY R. C. PATEL EDUCATIONAL TRUST



Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
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| Monday 28/07/2019 | TYBSa | cAG | Basic Definitions | Definitions | CAG By Rogers |
| Tuesday 9 /07-/2019 | TYBSC | CAG | Passive Vs Interactive | Compare & Constrast | CAG By Rogers |
| Wednesday | TYBSC | CAG | Random Vs Raster San | Comparision | CAG By |
| 107/2019 | TYBSC | CAG | | | Rogers |

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|---------------------------------|-------------------|---------|---------------------------|------------------|---|
| Thursday /07 /2019 | SYBS _c | C+4- I | Data types in C++ | Dato types | Mastering in Car. I K. Venugapal |
| Friday 12/07/2019 | SYBS L | C++ - I | operators in GPA | operators | Programming in C+4-I Balgamentarry |
| Saturday 18/ <i>0</i> 7/2019 | | C++ - I | Scope resolution operator | Lape | Pergramming in C++. I Balgurushansy |
| Remarks | 41.1 | | - TT-11 1 2x - | 1.5 | |



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Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------------|-------|---------|---------------------|-----------------------|------------------|
| Monday 5/67/2019 | TYBSC | CAG | Co-ordinale Systems | G.ordinate Systems | edg By Rogers |
| Tuesday /07/2019 | TYBSC | CAG- | The Gimple DOA | Simple DOA | CAG By Rogens |
| /ednesday / 07 /2019 | TYBSC | CAG | Symmetrical DDA | Symmetrical BOA | eAG By |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
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| Thursday 3 | SIBSC | C++ - I | Insertion of Extraction | Entraction op. | Mastering in CAA-I K. Venugapal |
| Friday 19 /07 /2019 | | C++.I | New & Belete operator | Hen op. | -11- K. Venugapal |
| Saturday 20 /67 /2019 | SYBS | Co+.I | Referens operators | Reference op. | 41- K. Venugapal |
| Remarks | 1014 | | Tprost: 5,41 | 1 | C41 = Way |

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Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
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| Monday 22/07/2019 | TYBSc | cha | Bresenflams Line B.A. | Bresentans Line D.A. | CAG By |
| Tuesday 3 /0 7 /2019 | TYBSC | CAG | C.L. Casual Leave | | che by Rogers |
| Wednesday | TYBSZ | CAG | Bresenhan's Circle D.A. | Bresenteams | CAG Dy Rogers |
| | TYBSC | CACo | | | U |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
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| Thursday 6 /67 /2019 | BYBSL (| C++ · I | Manipulatos: endl, seto | Manipelators endl, 80til. | Mastering in Crp K. Venugopal |
| Friday 26/07/2019 | STBSC | C++-I | Manipulators - setfill, set Precision | Selfill, Bet Becision | +- K. Venugopal |
| Saturday 27/07/2019 | | C++- I | Class - Object | Class-object | H-K. Venugopal |
| Remarks | 163 | | | | 0 1 |

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Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
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| Monday ?9/97/201 <u>9</u> | TYBSL | CAG | O.L. | | CAG By Rogers |
| Tuesday 86/ <i>の</i> /201 <u>9</u> | TYESZ | CAG | Example of line drawling Algorithm | Gine drawing algo. | -1⊢ By Rogers |
| Wednesday ' /07 /2019 | TYBSL | CAG | Transformation Vinciples | Principle | CAG By Rogers |
| | TYRE | CAG | | | 1000 |

| | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|--------------------------------------|-------|---------|---------------------|----------------------------|-------------------------------------|
| Thursday /a 8/2019 | SYBS | C++- I | Access 3pecifiers | Access | Mastering in C++ K. Venugopal |
| Friday 52/08/2019 | SYBSL | C+4.I | Inside, outside the | Inside Ostside Class | -11- K. Venugopæl |
| Saturday 23 /68/ ²⁰¹ 9 | Sybs | CAT.I | Creating objects | Creating objects | -11- K. Venugopal |
| Remarks | int. | | -11 -1 | | - 1.1 6 |



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Lecture Detail

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| Monday 5/03/201 9 | TYBSc | CAG | Concalenations | Concatenations | CAG By Rogers |
| Tuesday /08/2019 | TYESC | CAG | 2-D Matrix representation | 2-0 Matrix | CAG By Rogers |
| Vednesday /08/2019 | TY BSZ | CAG | &D Transformations | 3-D Tozoson | CAG BY |
| | TYBSc | CAG | | | 0,0 |

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|--------------------------|----------------|---------|---------------------------------|---------------------------------|------------------------------------|
| Thursday 3/08/2019 | SYBSC | CH-I | Array & objects, Pointer | Array - objects - Pointer | Mastering in CH K. Venugopal |
| Friday 59/10/2019 | SYBSC SYBSC | 1.49 | Bosics of function | - Rasics of | H. Venugopal |
| Saturday 0 / 6 /2019 | SYBsc | C++-I | Call by value Call by reference | Call by value of reference | H-K. Venugopal |
| Remarks | | | 5205.580 | | (F-A |





Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
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| Monday 12 /08/2010 | TYBSC | CAG | Holiday: Bakr =d | 71 V 36 | CAG By |
| Tuesday 3/6 §/201 9 | TYBSC | CAG | Transformation in Viewing | Viewing | cage By Rogers |
| Wednesday P/08/2019 | TYBSC | CAG | The Perspective Poursformation | Perspective Trans 19 | CAG By Rogers |
| | TYBSc | CAG | | | |

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|----------------------|-----------|---------|--------------------------------|---------------------|-------------------------------------|
| Thursday /08/2019 | SYBSC | G+- I | function with default argument | Default argament | Mastering in CAP K. Venugopal |
| Friday 16/08/2019 | SYES. | C++-I | Inline function | Joline fun C | H- K. Venugopal |
| Saturday | SYBS | C++. I | Holiday: Parsi New Year | , driver | K. Venugopal |
| Remarks | 1 :- 3 :- | | 2.43.460 | | 21.8 |
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| Monday 19/0§/2019 | TYBSL | CAG | Define dipping & | Clipping Tran | CAG By Rogers |
| Tuesday /08/2019 | TYESC | CAG- | Often Butterland F Atgorithen | Cotten Butte. | CAG By |
| dednesday | TYBSC | C4 G C-14 G | Mid-Rint Subdivision | Mid-Point Subdinision | CAG BA Rogers |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|---------------------------------|-------|---------|-------------------------------|------------------|--|
| Thursday 2 <i>[6</i> % /2019 | SYBSL | C++-I | friend function. Friend class | tiend fun c | Polastering in Carp K. Venugapal |
| Friday 23/08/2019 | SYBSC | 1.44D | ⊕.b. | | H. Venugopal |
| Saturday १५ /०४ /2019 | | C++-I | Concept of Rolymorpheism | Po-lymorpheism | H- Venugapal |
| Remarks | | | 1.00 | | |

Sign. of Teacher





Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | 9 To 3// | References |
|------------------------|----------------|---------|-------------------------------|------------------------------|------------------|
| Monday 26/08/2019 | TYBSC | c46 | Forgon Clipping J. Flowchearl | Rotygon clipping 4 Howdeart | CAG By Rogers |
| Tuesday 27/0§/2019 | TYBSZ | CAG | Windowing Transferration | Ni odowing Transo | CAG By Rogers |
| Wednesday 8/08/2019 | TYBSC TYBSC | CAG | 3-D dipping | 3-b Clipping | CAG By Rogers |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|---------------------------------|----------------|---------|---------------------------------|--------------------------------|--------------------------------------|
| Thursday 29 /68/201 <u>9</u> | SYBSL | G++-± | function overloading | Function overloading | Mastering in CA+- K. Venugapal |
| 30/08/2019 | | C++-I | function overloading with argu. | arguments | H. Venugapal |
| Saturday 31 /58/2019 | SYBS. SYBS. | | Scoping rules of features | Coping rales of Features | -tL- K. Venugopal |
| Remarks | l.n. | | 441911 21 15 | | |

Sign of Teacher





Lecture Detai

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------|-------|---------|---------------------------------|--------------------------------|------------------|
| Monday 02 /09 /2019 | TYBSZ | ch6. | Introduction - Scan | Scan | CAG By |
| Tuesday | TYBSC | CA G | Scan Goverting line Downings | Scan Converting line Drawings | CAG By Rogers |
| Wednesday | NBSL | CAG | Scan Converting Retygons | Sean Converting Rolygons | cAG By Rogers |

Lecture Details

| Explain inline friend function Sybsc C++-I Saturday Tog/2019 SYBSC C+-I Saturday Tog/2019 SYBSC C+-I Saturday Tog/2019 SYBSC C+-I Sybb C+-I | Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|--|----------------------|--------|---------|-----------------------------|------------------|------------|
| Sybsc C++-I Sperator everlanding operator overlanding of the By Tog/2019 Sybsc C++-I operator everlanding operator overlanding overlandin | Thursday / 169 /2019 | Syssic | CP+-I | | | By |
| 7/09/2019 SYBSC C++-I Overloading C++ By | Friday | | 4 | Explain inline, friend func | | GA4 By |
| | Contract district | SYBSC | C++-I | operator overloading | U | |

Sign. of Teacher





Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|----------------------|-------|---------|------------------|------------------|------------------|
| Monday | TYBSZ | CAG | Cotterence. | Coherence | CAG By Rogers |
| Tuesday / 5 /2019 | MBSc | CAG | Holiday: Muhaman | .>-11 | |
| ednesday 09 /2019 | YBSc | CAG | (7x) Algerithes | (7x) Algorithem | CAG By Rogers |
| 1 | YBSC | CAG | | | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|----------------------------------|-------|---------|--------------------------------|----------------------|---|
| Thursday 2 /cq /2019 | Sybsc | C++ - I | Revies of operator overloading | Review of opera New. | Mastering in C++ By K. Venugopal |
| Friday 13 /09 /2019 | | C++-I | Vnay operators | Vnany operators | Plastering in C++ By K. Venugopal |
| Saturday 14 / <i>0</i> 9/2019 | BYBSC | CP+ = I | Binary operators | Birany Operators | Mastering in CA+ By K. Yenugopal |
| Remarks | -11: | | 19C1XS = () | | 1 |







Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------|----------------|---------|------------------------------|--------------------|----------------------|
| Monday 16 /69 /2019 | TYBSL | eA G | Priority Painters Algorithem | Pairosity Posulers | CAG BY |
| Tuesday :/c9/2019 | TYBSL | CAG | object space | osject space | Rogers CAG By Rogers |
| ednesday | S2ELY S2ELY | CAG | Image space Algorithms | Image space | CAG By Rogers |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------|-------|---------|-------------------------------------|-------------------------|--------------------------------------|
| Thursday / 9 / 2019 | SYBSZ | Cet.I | Comparision operator | Comparision | Plastering in C++ K. Venugopal |
| Friday /09 /2019 | SYBSL | C++.I | Arithmets & Assignment operators | Assignment operators | Mastering in C++ K-Venugopal |
| Saturday | SYBSZ | CP+-I | overloading operators | Vertonding Operators | Mastering for C++ K. Venugapal |
| Remarks | , | | 411124 | | 0. |

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Lecture Detail

| Day & Date | Class | Subject | Veek From 23/9/19 | Syllabus Covered | References |
|------------------------|--------|---------|-----------------------------|---------------------|------------|
| Monday 93 / 69/2010 | TYBSL | CAG | Object space 13 Honge space | officet space | CAG By |
| | 1 | | A | Image space | Rogers |
| Tuesday | TYBSC | CAG | Depth Briffer Algorithm | Depthe Buffer | CAG By |
| | | | | tigo | Rogers |
| Vednesday | TYBSC | CAG | Area Offeerence Algo. | Area. Coteereuse | eag By |
| | TY.Bsc | CA & | | Algo. | Rogers |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------|-------|---------|---------------------------------|---------------------|--------------------------------------|
| Thursday (6/09/2019 | SYBSC | C++·I | Example of overloading operator | overlading operator | Mastering in CA+- K. Venugopal |
| Friday 27 /09/2019 | | C++-I | Werlooding New operator | New operator | Mastering in GAA K. Venugapal |
| Saturday 28/09/2019 | SYBSL | CP+- I | Overtonding Delete operator | Relete operator | Mastering &D CHP K. Venugopal |
| Remarks | | | | | 0 - |

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Practical Plan (Batch wise)

| | ss: TYBSc Subject: Compositer Aided Groupei'cs f. nber of practical as per syllabus: Actual Number of practical conducted: | internet Batch: | |
|------------|---|--------------------|---------------|
| Sr. No. | Name of Evneriment | Planned Date | Actua Date |
| | | 2917/19 | 2917119 |
| | North Maharashtra University, Jalgaon T. Y. B. Sc. (Computer Science) (w.e.f. June -2017) | <u>5181 19</u> | 518119 |
| S | UG-CS-LAB-302 LAB on Computer Aided Graphics & Programming in VB.NET | 1218119 | 12/8/19 |
| C | Computer Aided Graphics Draw the following pattern using standard graphics library: | 1918119 | 19/8/19 |
| 2 | a. Block Diagram of Computer b. Display Flag of India c. Flow Chart Symbols / DFD Symbols / ER-Diagram Symbols | 2018119 | 26 8 19 |
| 3. 4. | Implement Bresenham's Line Drawing Algorithm Implement Bresenham's Circle Drawing Algorithm Implement DDA line Drawing Algorithm | 919119 | 219119 |
| 6. 7. | Implementing translation transformation on polygon Implementing scaling transformation on polygons Implementing rotation transformation on polygons | 16 9 19 | 16/3/19 |
| V | Implement Cohen-Sutherland line clipping algorithm B.NET Write a VB.Net Program to demonstrate Array. | શાકાલ્દ્ર | 2319119 |
| 2. 3. | Write a Window based application to find maximum of three numbers. Write a Window based application to find factorial of a given numbers. Write a Window based application for Armstrong numbers. | न्त्राभाव | 911219 |
| 5. 6. | Write a VB.Net Program to demonstrate Exception Handling. Write a VB.Net Program to demonstrate Constructor. | 16/12/19 | 16/12/19 |
| 8. | Write a VB.Net Program to demonstrate Single Inheritance. Write a VB.Net Program to demonstrate Interface. Write a VB.Net Program to demonstrate Polymorphism. | 301219 | 301219 |
| • • • | Design GUI and write Code for the following in VB.Net (ADO.Net) without wizard: cept employee details like emp_no, emp_name, emp_age and save these details in p_TBL. | 27/01/20 | 27/01/20 |
| CIII | p_100. | 03/01/20 | 3/01/20 |
| | | 17/04/20 | 17/02/20 |
| | | | |
| | Sign. of Teacher Sign. of | HOD / Vice | |





Practical Plan (Batch wise)

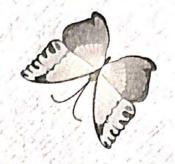
| Num | per of practic | cal as per syllabus: Actual Number of practical conducted: | Batch: | |
|------------|----------------|--|------------------------|----------------|
| Sr. No. | | Name of Experiment | Planned Date | Actual Date |
| 1 | | | 3017119 | 3017119 |
| 2 | | 1.0 | 6/8/19 | 6/8119 |
| 3 | J* J* | x 1. ** | 13/8/19 | छाश्रख |
| 4 | , - | | 2018119 | 2018/19 |
| 5 | 04 | *** | 27/8/19 | 2718119 |
| 6 | 0 10 | 1 - 1 = 2 · · | 3 3 19 | 1619115 |
| 7 | (4,18) | FAPA | 2419119 | 2419119 |
| 8 | if the | | 10/12/19 | 16712/19 |
| 9 | | | 17/12/19 | 17/12/19 |
| | MIE. | An i and a | 24112119 | 24112119 |
| 10 | | 1.1.3-1 | 3/14/19 | 311419 |
| 11 | | | 28/01/20 | 28/गारे |
| 12 | | 3 MX P. | 4/2/20 | 412/20 |
| 13 | | [#1/e1/ | 18/2/28 | 18/2/२४ |
| 14 | | | | |
| 15 | | | 0,,,,, | |
| | Quit | Sú Sú | Online of HOD / Vio | ce Principal |

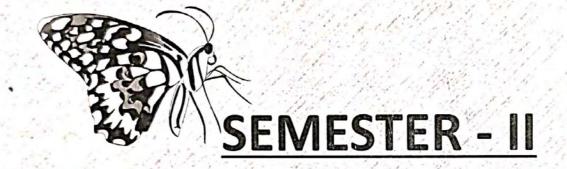




Practical Plan (Batch wise)

| | ber of practical as per syllabus: Actual Number of practical conducted: | Batch | : 111 |
|------------|--|-----------------|-------------------------|
| Sr. No. | Name of Experiment | Planned Date | Actua Date |
| 1 | | 31/8/19 | 3118119 |
| 2 | | 718119 | मधाव |
| 3 | | 1418119 | 1418119 |
| 4 | | ગાકા19 | थाश्वाव |
| 5 | () = (| 2818719 | 2818119 |
| 6 | 1710 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 11/9119 | 1119119 |
| 7 | | 1818119 | 1819-119 |
| 8 | V - 1 - 1 - 1 - 1 | 2419119 | 2419119 |
| 9 | | ३०१८।१९ | 3न भाव |
| 0 | | 1412419 | 1112119 |
| 1 | | 2911419 | 29/14/19 |
| 2 | • | वा गान | et ot 20 |
| 3 | | 1401/20 | 12/01/28 |
| | | 29101126 | 29t0121 |
| | | 03/01/20 | ⁰ ने वर्ग २० |
| | Sign. of Teacher | Sun | 1 |











Lecture Planning (Teaching Plan)

| Class: T. | Y.B.Sc. | Division Subject: | PHP |
|-----------------|---|---|--|
| Lectures Requir | ed as per the S | Syllabus | |
| Sr. No. Date | Lectur No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 19/11/19 | of | Introduction of Pup | PIPP |
| 20111119 | മ, ഇ | features, Doublacks | features |
| 25/11/19 | 074 | HON PHP WORK & Version of PHP | Version of PHP |
| 26111119 | 05 | Lereical Structure of PAP | Streeture PHP |
| 27/11/19 | 06,07 | structure of system of papp | Syntax PIPP |
| व्याथाव | 08 | PHP With HTML | HMPL |
| छ।।थ।९ | 09 | Comments | Convents |
| 04112119 | 16,11 | Data types of Variables | Ot & Variables |
| व्याभाव | 12 | operator | operator |
| ाजाभाव | 13 | How Control Statements | flow Coutrols |
| "11의19 | 14.15 | Conditional Statements | Conditional almosts |
| 16112119 | 16 | Larping Statements | Larping Strats |
| शिथान | 17 | arit Return, Die | Exit, Return, Rie |
| 8/12/19 | 18,19 | Indude & Require Odnots. | Include & R. Storts |
| 4112/19 | 20 | Introduction to tray | Arogo |
| | Lectures Requirements. Sr. Date 1 19 11 19 25 11 19 25 11 19 21 11 19 31 21 9 11 21 9 11 21 9 11 21 9 11 21 9 11 21 9 11 21 9 | Sr. Date Lectures Required as per the state of the state | Lectures Required as per the Syllabus Str. Date Lecture No. Topics Plan 1 19/11/19 of Introduction of Papp 20/11/19 of How Pap Works Versim of Papp 25/11/19 of How Pap Works Versim of Papp 26/11/19 of Lecture , Boardbacks 25/11/19 of How Pap Works Versim of Papp 26/11/19 of Lecture of Papp 26/11/19 of Lecture of Papp 26/11/19 of Lecture of Papp 27/11/19 of Lecture of Papp 27/11/1 |

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Lecture Planning (Teaching Plan)

| 100.1 | ctures Required as | | | PP |
|------------|--------------------|----------------|----------------------------------|------------------------------------|
| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | श्रुवाभ । व | 의 | Index Array | Inden |
| 2 | 3112119 | 22,23 | Associative Array | Associative Amy |
| 3 | 01/01/20 | 24 | Multidimensional array | Meusianal |
| 4 | 06/01/20 | 25 | Different array func in PHP | franc in PAP |
| 5 | 07/09/20 | 26 | Traversing anays, Souting anyo | Sorting arrays |
| 6 | 08/01/20 | 24,28 | Introduction to function | fen c |
| 7 | रविवा १२० | ત્રવ | Refining of Calling a func | Calling a fur c |
| 8 | थ।ज।२० | 30 | Slope of Variables in func | Variables in func |
| 9 | 22/4/20 | 31,32 | function Baraneters | fur Bn. |
| 10 | थ्रावाञ | 33 | Returning Value from a fanc | values from fus |
| 11 | 28/01/20 | 34 | Recursive functions | Reluteire fun ^U |
| 12 | 28/01/20 | 35,36 | Types of Othings in Papp | Strings |
| 1 | 3 3 20 20 | 37 | Painting functions | Pointing func |
| 1 | 4 04/02/28 | 38 | Comparing Strings | Compositing Strings |
| 1 | 5 otolas | 39,40 | Planipulating of Scarting String | p planipulating tes |
| 1 | | | | / |

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Lecture Planning (Teaching Plan)

| C | lass: T.Y.I | 3,9c. | Division Subject: | PIPP |
|------------|---------------------|-----------------|----------------------------------|------------------------------------|
| Le | ectures Required a | s per the Sylla | | |
| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | 11/02/20 | 41,42 | Regular Apressions | R.E. |
| 2 | 12/02/20 | 43,44 | Introduction of Benefits of orps | Benefits of mps |
| 3 | 24/02/20 | 45 | Creating a class | creating a clay |
| 4 | १५००१८० | 46 | Adding a Pletfeod | Adding a method |
| 5 | 26102/20 | 47,48 | Adding a properties | Aelding a properties |
| 6 | 2/03/20 | 49 | Constructor & Destructor | Cons. of Dest. |
| 7 | B 00 20 | 50 | Interitance, Abstract class | Interitance, Ac |
| 8 | 04100120 | sf,52 | Get & Past Ptetfeod | Get & Post |
| 9 | 9/3/20 | 53 | Corokies & Olessians | Cornies & Settins |
| 10 | 11/08/20 | 54,55 | PHYSOL, ADL, DAL. | totysal aplant |
| 11 | \mathcal{V}_{m+m} | (rG-j/4 | and the state of the state of | |
| 12 | =(1, | ya[] | Little Farmer Family | |
| 13 | 307 6 | algorit. | 1 series (no. 1) | |
| 14 | 8 (1.4)/(1/6)) (1 | (guiph | | |
| 15 | Total Inst | 10 | male and a second of | |
| | 2. | | | |

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THE SHIRPUR EDUCATION SOCIETY R. C. PATEL EDUCATIONAL TRUST



Sign. of HOD / Vice Principal

| | ass: S.Y.B | | Division Subject: C-l | + |
|------------|--------------------|----------------|--------------------------------|------------------------------------|
| Le | ctures Required as | per the Sylla | abus | |
| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | 2111119 | 0) | Gocept of Governmentor | Constructor |
| 2 | 22/11/19 | 213 | Types of Gostmetor | Types of Contrector |
| 3 | 23/11/19 | of ! | Copy Gostnetor | Cepy Caustmeeter |
| 4 | 28/11/19 | 05 | overloaded Gnetzeetons | overlanded Com. |
| 5 | 29/11/19 | 06,07 | Constructors with default arg. | Refault argu. |
| 6 | 30711119 | 08 | aestructors | Destruction |
| 7 | र्जा १४ छ | <u>ब</u> | Axamples | Lamples |
| 8 | 08112429 | 10,1) | Intrevitance | Interitance |
| 9 | ्र ११२१ छ | 12 | Types of Inheritance | Types of Inkeri. |
| 10 | ।भाभ व क् | 13 | Derived class Constructor | Defired C.C |
| 11 | 13112129 | 14,15 | Benefits | Benefits |
| 12 | 14112129 | 16 | theis Pointer | theis Router |
| 13 | 19112128 | 17 | Abethat class | Ae |
| 14 | 20112129 | 18,19 | Peure virtual function | Prese witual few |
| | 2112129 | 20 | Damples | Sxamples |
| | | | | 1 |





Lecture Planning (Teaching Plan)

| CI | ass: 9.7. | B.sc. | Division Subject: | C++-II |
|------------|--------------------|----------------|-------------------------------|------------------------------------|
| Le | ectures Required a | | | |
| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | उशामक | 21 | Concept of Exception | Concept of Exce. |
| 2 | 84/15/20 | 22,23 | Greept of try therm and cotat | try, Heron of Cath |
| 3 | ³⁸ ॥अ39 | 24 | Multiple Cath Statements | Pfzelliple Catch. |
| 4 | व्यवाथ | 22 | Standard Exception in C++ | Exception in cap |
| 5 | छ।व।०० | 23,24 | Lamples | Examples |
| 6 | व्यानाक | 25 | Bosics of Template | Template |
| 7 | 910/20 | 26 | function Template | function T |
| 8 | 10 01 20 | 27,28 | Frample | Rample |
| 9 | 11/0/150 | 29 | class template | Class P |
| 10 | 18/9/20 | 30 | Arample | Dample |
| | २३ व।३७ | 31 | Pempelates with multiple Par | |
| - | 24/01/20 | 32,33 | Drampte | Example |
| 13 | 22/01/20 | 34 | Introduction to STL | STL |
| 14 | 399120 | 35 | Components of STL | Components |
| 15 | 311नाम | 36,37 | Contriners | Container |
| | O.WAY | | | 3,001,210,21 |

Sign Teacher





| r. o. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
|----------|---------------------------|----------------|--|------------------------------------|
| | वाजिभ | 38 | Example: Sequence Associative foerived | Examples |
| 2 | ળાળા ૧૦ | <i>3</i> g | Introduction: file | Introduction |
| 3 | 9/02/20 | 40,41 | therarby of file often dances | teistory |
| 4 | જ <u>્</u> યા 20 | 42 | openiug file | file oper? |
| 5 | 1310420 | 43 | closing file | close file |
| 6 | 16100120 | 44,45 | Drauples. | Dramptes |
| 7 | 15/07/20 | 46 | file modes | file modes |
| 8 | 22/01/20 | 47 | file topat with fatreno class | fatream das |
| 9 | 27/02/20 | 48 | file output with fetremoders | oreforet. |
| 10 | 28/0470 | 49,50 | Lyample | Axauple |
| 11 | 29/0420 | st | Test Retorial -1 \$2 | Test tectorial |
| 12 | र्जिशम | 52 | objective type aucations | osjective |
| 13 | 06 13 20 | 53,54 | | Sauple Q-P |
| 14 | 12/3/20 | 55 | Solve Question Rever | Solve Q. P. |
| 15 | 13/3/20 | 56,57 | C++ Knogramms on Template | CAT. Poop, Temp |
| | 1410/20 Specifor Teach | 578 | Co+ Knyram on Exception Sig | n. of HOD / Vice Principal |



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Sign. of HOD / Nice Pri

| 1 | Class: M. | | Division Subject: | CC |
|----|------------|----------------|-----------------------------------|------------------------------------|
| Si | D-A- | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | 05712/19 | 01,02 | Streeture of Gupiler | Coupiler |
| 2 | જાાગાગ | ಕ್ರ | Phoses of Gurilation | pleases |
| 3 | 7112119 | 04 | The tualysis of syntheesis | Synthesis |
| 4 | 1315118 | 05,06 | Application of Compiler | Compiler |
| 5 | 13112119 | 4 | Compiler Construction Ports | Ports |
| 6 | 14112119 | 80 | Role of denical Analysis | Role of J.A. |
| 7 | 13 112113 | 09,18 | Pokens, Ratterns, Leseeme | Mens. Leaene |
| 8 | ચ્છા 12119 | 12, | dereical generator LEX | Lenical Generation |
| 9 | थाप्राव | 13 | R.E., FA, Plinimiting FA | R.E. |
| 10 | 26112119 | 14,15 | CFG, Derivation of Pouse tree | CPG. PT |
| 11 | 27/12/19 | 16 | Ambiguous grammar, Rote of Paker | AG. RP |
| 12 | 28112419 | 17 | Types of Pauser | Types of Parser |
| 13 | 2/01/20 | 18,19 | Topdown Parser, Recursive Parsing | Top. down Parser |
| | B/0420 | 20 | Poedictive Parsing, Emr Recovery | PP, ER |
| 15 | 04/04/20 | 21 | Bottom-17 Rossing | BTP. |





| - | ass: M.S | Sc. | Division Subject: | CC · |
|------------|---------------------------|------------------|----------------------------------|------------------------------------|
| | ectures Required | as per the Sylla | | |
| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | न्त्र व्य | 22,23 | Strift-Reduce Parser | SRP |
| 2 | 10/01/20 | 24 | operator Recedence Person | OOP |
| 3 | 11/01/20 | 25 | formitages of disner. O.P.P. | Pfeits & Dements |
| 4 | 18/01/20 | 28 | CR Persers | CR Parsers |
| 5 | 23101120 | 27,28 | Simple (R, CRU), LALR | Simple LR |
| 6 | 241 of 120 | 29 | Need of ICG. | Need of RG |
| 7 | थ्डीन 120 | 30 | Heree oddress Code | There address ade |
| 8 | 30/01/20 | 31,32 | auadriple, triples, IT | Quadruple toiples. 51 |
| 9 | 31101/20 | 33 | need of Gode optimization | Need of coole opt |
| 0 | 01/04/20 | 34 | Folding within dasp, | folding |
| .1 | 06/02/20 | 35,36 | Dead Gode Strength Reduction | &c.sr |
| 2 | 07/01/20 | 37 | Ploning operation withein block | Block optimization |
| + | 8/0120 | 88 | out of block | out of block |
| + | 13/0/20 | 39,40 | Symbot Table | ST |
| 5 | 14102120 | 491 | monted, Booted ST | υs |
| | 15 0420 Sign. of Teach | 42 , | 22/01,27,28,29,05,06,12,13,14/03 | n. of HOD / Vice Principal |



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Attendance Sheet (Theory / Practical/Tutorial) Hostann Subject: C++ Class: S.Y. B. Sc. 19/12/19 9/14/9 4/12/19 91/1/02 67/21/50 26/12/1 8311118 06/12/19 14/14/ 36/11/19 88111119 8311118 मिश 921119 Roll Date Name of Student 4 No. 0 12 13 17 18 14 15 11 16 10 8 5 6 7 19 2 3 20 1 L.No. 4 Þ p P P P P P P chaudleari Swaponali P P P D P p P P 4 P A P P P P P Draugar garyatri P 8 P P Koti Renuka A P 1 P P P P P P P P Pawara Lakstemi P P P P P P P P P P P P P P P 1 P P Saner Ashvimi D. P P A P P P P P P P P P P P P þ P P P P P P P P P P P P P P P Wagh Rud P P P P P P P P A P P P P P P P P P P P P P P P A P P adtear P P P P P P D P P P P Meshesh P P P P P P P P 1 P P P P P P P 9 P P P A P D P P P P P P P P P P P P P P P P P A P P P P P P P P P P P P P P P P R P P P P P P P P Þ P P P P P P 8 P 9. P P P P P P P A P P P P P P P P P P P P P P P P ? A Gawar A 8 p P P A P P P P kousteive Jagreti C P P P P P P P P P P P 4 Sarano R P P P P A P P P P P P P P P P P P 0 P A P P P P P A P P P P 9. P P P P P P P Megleo P

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| | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 |
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| | 21 | 22 | - | | | | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | | 39 | 40 | 41 | 42 | 43 | - | | |
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| | Patil Bharabi A. | | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P |
| | Patil cheaudrakout 1 | D. | A | P | P | P | P | P | P | P | 0 | D | P | D | 0 | - | P | P | P | P | P |
| | Patil Darstean A. | | P | P | P | P | P | P | A | P | P | 0 | P | P | 1-1 | 1- | P | | P | - | P |
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| | Patil Jagneti R. | 1. | P | P | P | P | P | A | P | P | P | 0 | p | ~ | - | P | P | - | - | - | P |
| | Patil Kalyani N. | | A | P | P | P | P | P | P | P | D | P | P | P | - | 2 | - | - | - | - | P |
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| | Patil Thepti VK. | | A | P | P | P | P | P | P | P | P | - | - | - | P | - | - | | - | _ | P |
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| 1 | Rajput Divya P. | | P | P | P | P | A | P | P | - | 0 | - | P | - | | 0 | 7 | 00 | P | P | 2 |
| 1 | Robert News Y. | | P | P | P | P | P | P | P | P | P | - | A | |) [| , , | PE | P | P | - | |
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Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-----------------------|-------|---------|---------------------|------------------|--------------|
| Monday / /201 | | | | | 1 |
| Tuesday 9/1[/2019 | TYESL | PHP | Introduction of PHP | Basics PHP | PHP BY RL |
| Wednesday | TYBSL | PIPP | ₽.L. | , – | |
| /11/2019 | MESC | PAP | | | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|---------------------------------|-------|---------|----------------------|----------------------|-------------------------------------|
| Thursday 2 / 1 /2019 | SYESC | C++-1IT | Govept of Gostoveter | Constructor | Mastering in City |
| Friday 22/1) /2019 | SYBSZ | e sell | Types of Gnebruter | Types of Constructor | Mastering in C++ K. Venugopal |
| Saturday 88/1) /201 <u>9</u> | | C++-II | Copy Constructor | Copy Constructor | Mastering to CHY K. Venugopal |
| Remarks | 102 | | F=0011 | × 15 - 8 | -0.6 |

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Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|----------------------------------|--------|---------|--|-----------------------|------------|
| Monday 25/ /2019 | TYESC | PHP | Features, Drawbacks How does PIPP Works? | features Working | MP-BY RL |
| Tuesday 26 / 17 /2019 | TYBSC | P#P | Lexical structure of ptep | descical Structure of | PHP-BY PL |
| Wednesday 7/ 1/201 <i>g</i> | TY BSC | PHP | Structure & syntax of | Syntax of | PHP-By RL |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|--------------------------|-------------------|---------|-----------------------------------|---------------------------|-------------------------------------|
| Thursday g | 37Bs _L | C++-TT | Overloaded Constaudors | Werlanded Constocutous | Mastering in GPA K. Venugopal |
| Friday Rg/11 /2019 | SYBSC SYBSC | C++-1I | Constructors relitte default arg. | Constructors with | Mastering in C++ K. Venugopal |
| Saturday 36 /1) /2019 | SYBSL | C++-1I | Destructors | Restructors | Mastering in C++ K. Venugopol |
| Remarks | N. C. | | Fait! | Line 2 | · Marie - in- |

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Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | (12) 25 tg References |
|--|-------|-----------|------------------------|---------------------------|------------------------|
| Monday 0 1 / 12 /201 9 | TYBSL | PitP n | PHP with HTML | PHP WITH HTML | PHP BY RL |
| Tuesday 3/ 2 /20 <u>1</u> 9 | TYBSL | PHP | PHPP Gonoents | PHP Connects | PHP BY RL |
| Wednesday 6/ <u>12</u> /2019 | TYBSC | PPP | Data types & Variables | Data types & Variables | PHP BY RI |
| | TYBSC | PIPP | | | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------|-----------------------|--------------------|---|--------------------------|--|
| 5/12/2019 | SYBSC MSC | CA4-11 Ce Ce | Examples structure of Compiler | Structure of Compiler | Plastering in G++ K-Venugopal |
| Friday OC/12/2019 | SYBSC MSZ SYBSC | C0 CA+-II | Phases of Goopilation | Pleases of | Mastering in C++ Cc- Atroubleman K. Venugopal |
| Saturday 7/12_/2019 | SYBSL MSC | CAI.II Ce | Types of Internitance The Analysis of Synthesis | Types of Intretitance | Mastering in Corr K. Venugopal |
| Remarks | | | 200% - 1 100% | | CC- Alto Udum |

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Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|--|-------|-------------------|------------------------|-------------------|------------|
| Monday 0 9 / 12 /2019 | TYBSL | PIPP | operator | operator | PHP BY |
| Tuesday 5 / [2 /201 <u>4</u>] | TYBSZ | P I PP | From Gostrof Statement | Flow Control Stud | PHP BY |
| Vednesday /{2_/201 <u></u> g | NB32 | PHP | Conditional Statement | anditional | PHP By |
| - | TYBSC | PIPP | | | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|---|-----------------------|------------------------|---|------------------------------------|-------------------------------------|
| Thursday 2 / \2 /201 9 | اعتدا | Ce Cc | Derived class Constructors Application of Coupiler | Derived Gustouctor Appl Ompiler | Mastering in C++ K. Venugopal |
| Friday 3 / 1 <u>9</u> /2019 | SYBSC MSC SYBSC | C++-II CC C++-II | Benefits Compiler Construction Tools | Benefits Ce Ports | Mastering in Cor K. Venugapal |
| Saturday 14 / 12 /2019 | | - G+4-TF | theis Pointer | tteis Printer | Plastering in |
| ,,,,,, | MSC | Ce | Rote of desiral Analysis | Role of d.A. | K. Venugopal |
| Remarks | | | , 44 ,00 | | ec: Afto ollmoo |

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THE SHIRPUR EDUCATION SOCIETY R. C. PATEL EDUCATIONAL TRUST



Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------|--------|---------|--------------------------|-------------------|------------|
| Monday 6 / 12/2019 | TYESSZ | P#P | Louping Statements | Loveing | PAP BY RL |
| Tuesday 2 / 127201 9 | Tresc | PHP | Exit, Return, Die | Exit, Retum, Die. | PAP BY RL |
| Vednesday 112_/2019 | TYBSc | PHP | Include & Require Stront | Statements | PHP BY PL |
| | TYPe- | PHP | | | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
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| Thursday 9/12/2019 | SYBSL Msc | CAF-II | Abstract class | Abstonet class | Mastering to Cor |
| [/12/201] | Mec | ce | Tokens, Ratterens, Loxense | Porkers, P. L. | K. Venugopal |
| Friday | Sybsc Msc | CPP-II | Bere virtual function | Pare birtual fus | Plastering for C++ Cc: Also Othora |
| 2 ₆ /12/2019 | | C++-II | Lexical Generator LEX | descial Generator | K. Venugopal |
| Saturday | 37BSL | | Lacoples | Arauples | Mastering +0 G+4 |
| 2/12/2019 | MSC | ce | R.E., FA, Plimizing FA | R.E., PA Minimizing FA | K. Venugopal |
| Remarks | | | [u-1] | 3 | CG: Atto Utiman |





Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------|-------|---------|-----------------------|------------------|------------|
| Monday 23 /12/2019 | TYESZ | РфР | D.L. | | |
| Tuesday 4/12/2019 | TYBSC | P#P | Introduction to Array | Arsay | PHP By RL. |
| Wednesday 5/ 2/2019 | TYBSL | PHP | Hoeiday: Christmas | / 1 | |
| | TYBSC | PHP | | | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
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| Indisday | sybsc Msc | C++-II | Concept of Ox ception | 2x ceptim | Mastering in |
| 712,1113 | Msc | CE | CFG, Derivation of Parse Tre | CPG Devilation | K. Venugopal |
| Friday | SYBSL | | Concept of try, Herm & Gotch | Top, Heron of Cataly | plastering in |
| 29/12/2019 | MSC | cc | trobigences granuar, Role of Par | ser Aub. Gramm. | CC: Atto Ulma K. Venugapal |
| | SYBEZ | C+4-II | - 0 , , | Role of larser | |
| Saturday | 1 | CPF-II | Multiple Catche Statements | 19 Wtiple Catch | Maslering in |
| 28/12/2019 | MEC | cc | Types of Parter | Type of Parser | K. Venugopal |
| Remarks | 41.11 | | Silver a grander | 113 | CC: Afro Ullman |

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Lecture Detail

| Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------|---------|-----------------------|--|--|
| TYES€ | P#P | Index Array | Index Army | PAP BY RL |
| TyBsc | РнР | Associative Amory | Associative Array | PHP By PL |
| MBSC | PIPP | Mutidimensional Array | Muttidimensim | PHP DY PL |
| | ТуВѕс | TYBSC PAPP | TyBsc PAP Associative Array YBsc PAPP Multidimensional Array | TyBsc PAPP Associative Array Associative Array MBSc PAPP Muttidimensional Array Thutidimensional array array |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-----------------|--------------|--------------|----------------------------------|-------------------------------------|--|
| Thursday | STBSZ Msc | C+7-II | Standard Exception in CA+ | Es ception in Cy | Mastering in |
| /61/2020 | Msc | cc | Top-down Russer, Reamsive Rus | Pop. down Parser | K. Venugopal |
| 3 Friday | 113 | G++-IL | Examples | Enaugles | totastering in |
| 吸/dj /2012 O | Mec Sybsc | CC TI-44D | Bedictive Parser, Etros Recovery | Psedictive Parser Error Recovery | CAA CC: Alto Ullman K. Venugopal |
| Saturday | SyBSC | CAP-TI | Basics of Template | Basics of Template | Mastering in |
| ofp/01/2026 | 19.5c | ce | Bottom up Rusing | Bottom. Up Patring | K. Venugopal |
| Remarks | -4 719-1 | | Shrine I File | 7117 | GC: Afto Utlmos |

Sign. of Teacher





Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-----------------------|-------|---------|----------------------------|------------------------|------------|
| Monday | TyESL | የዣP | Different away fun in 14th | Arosay func | PHP BY |
| Tuesday 7/ 61/2020 | TYESL | P#P | Hociday: | | |
| Wednesday | TyBsc | PHP | totorduction to function | tutoduction to func | PHP BY |
| | TyBSC | PAPP | | | RL |

Lecture Details

| MSC CC Sheith Reduce Roser Shift Reduce K. Venus ByBSC C++. II Property Predecence Parser SyBSC C++. II Property Predecence Parser operator Bevelow. SyBSC C++. II Property Predecence Parser operator Bevelow. SyBSC C+P-II Class Template Class Rewplate Property Pr | eferences | Refere | Syllabus Covered | Syllabus Planned | | Subject | Class | Day & Date |
|--|-----------|-----------|-------------------|------------------|------------|---------|-------|---------------|
| Steith Reduce Rarser Strift Reduce Msc Cc Steith Reduce Rarser Sybsc C++-II Drampte Friday MSC CC Operator Predecence Parser Sybsc C++-II Operator Predecence Parser Sybsc C++-II Class Template Sybsc C++-II Class Template Lind Party Sybsc C++-II Class Template Advantages of disadiantages of C++ Advantages of C++ M. Venus M. Venus M. Venus M. Venus M. Venus M. Venus | tering fr | Master | Fine Template | emplate | Function T | C++-TT | SyBSL | 200 |
| MSC CC SyBSL C++-II | | | 2 | | | CC | Msc | 4 |
| SyBSL CA+.II Drampte Prosterior Predecence Parser Operator Receden. SyBSC CAP-II Class Template Class Remplate Prosterior Relatering Advantages of CAP-II Class Template Prosterior Advantages of CAP-II CAP CAP II Class Template Prosterior Advantages of CAP II CAP II CAP III CAP | ugepal | K. Venue | Parser | | | ec | Msc | |
| operator Frederence Parser operator Bevelou. STBSC CAP-II Operator Frederence Parser operator Bevelou. Revolution Revol | tipg po | Masteric | | | example | C++-II | Sybsc | 3 |
| SYBSC CAP-II Class Template Class Template Class Template Advantages of Cap Risk Cap Risk. R. Venus Post Risk. R. Venus Risk. R. Venus Risk. R. Venus | Ü | C++ | operator Beveden. | redecence Parser | operator | cc | MSC | 10/6/ /2020 |
| 11/01/2020 Adrantages of disadlantages Advantages of CAP M. Venus | ugopal | K. Venug | Resser | | | II-44D | SyBSC | |
| 1 1-6 1 6 1 0000 | oit goin | plusterin | Clus Pemplate | elate | class Tem | C++-II | SYBUL | Saturday |
| 1 1-6 1 6 1 0000 | | 46) | Advantages of | 1 disadiantage | Adrautage | | | 1 / 0 / /2020 |
| l ver | ugopal | K. Venug | opp | 1 | O.P.P. | Cc | MSC | |
| Remarks CC: Alto | o Uthorn | cc: Alto | 1 | - 411 | April 1 | | | Remarks |



Sign of Teacher

THE SHIRPUR EDUCATION SOCIETY R. C. PATEL EDUCATIONAL TRUST



Sign. of HOD / Vice Principal

Lecture Detail

| Class | Subject | Syllabus Planned | Syllabus Covered | Hafarancas |
|----------|----------------|------------------|------------------|-------------------------------|
| IYESC | PIP | | 1 | |
| IYE3C | PIPP | .D.L. | 12.00 | |
| 17.B\$2_ | PHP | | F | 7 4 *** |
| | Construction . | TYESL PIPP | TYESC PIPP ID.L. | TYESC PIPP TYESC PIPP TO.L. |

Locture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|---------------|--------|------------|------------------|------------------|-----------------|
| Thursday | STBSL | Cr+-IL | FPP at Indose | 110 | f |
| 10/12020 | Msc | CC | | | |
| | Msc | CC | | | |
| Friday | SyBsz | C++-II | D.L. | | |
| | MSL | CC | | | |
| | SYBE | CA+-II | | | |
| Saturday | 3782 | C-P-1 - II | Example | Examples | Plastering in |
| 1011 1000 | 0 1952 | cc | CR Parsers | CR Bises | K. Venugeral |
| Remarks | | | | | Cc: Also Ullmon |





Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------------------|--------------|------------|----------------------------|---------------------------------|------------|
| Monday 20/01/20 2 0 | THESC | PJPP | Exefining of Calling func | Defining q Calling fure | PHP BY RL |
| Tuesday - | TY BZ | PMP | Scope of Variables in func | Scope of Vallable in func | PHP BT RL |
| Vednesday | YBSC MBSC | PHP PHP | Function Parameter | Function Parameter | PHP BY PL |

Lecture Details

| Thursday 25/01/2020 17/52 Thirsday 17/52 21/61/2026 | C++-II CC | Templates with multiple Parameter Simple CR, CRO, LACK Example | Template with mouthiple Para. CR, CRO, CLCR Prample | Mastering in Cat K Venugopal Mastering in |
|---|---------------------|--|---|---|
| 13/01/2020 HSC HSC SYBSQ Friday 17/52 | сс С++- Т | Perameter Simple CR, CRO, LASK | CR, CRO, CACR | K. Venugopal |
| 57B52 Friday 1752 | C++-# | | Prample | Mastering in |
| Friday 7. | | Example | | |
| 24/6 /2026 | CC | | | الطحاا |
| CIRA | | Need of ICL | need of the | CC: Alto Ullman |
| SYBA | I-449 | 1 | | K. Venugopa |
| SyB52 Saturday | C++-II | Ð.L. | Section 1 | i =_ |
| plsz | ec | 1 (a) ₄ , = | | |
| Remarks - (21.) | | especially seems |) | 7/1- m |





Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-----------------------------------|-------|---------|-----------------------------|------------------------------|------------|
| Monday 27/01/202 | HYDS | PIPP | Releasing Values from a few | Returning Willer from a func | PAP BY RL |
| Tuesday / 5 /20 1 _ 0 | TyEs | PHP | Recusive functions | Recursive fun c | PAP DY PL |
| ednesday | TYBZ | РНР | Types of Strings in PIPP | Types of Strings | PAP BY PL |
| | TYBS | PHP | | | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|--------------------|-------|---------|--|-------------------------------------|----------------|
| C. 11 (c. 11) | SYBS | (4+-址 | introduction to STL | STL, | Mastering to |
| Thursday | PSC | · · · | | Components of STL | |
| 1 | MSC | cc | A | Theree address Corde Quadrupk ±T | K. Venugopal |
| Friday | SyBh | C++-IT | Gotainer | Containers | Plastering in |
| /6) /20 2 p | MSC | cc | Need of Code optimization | Need of | 4 fD |
| | SYBE | C++-II | | Code optimization | K. Venugopal |
| Saturday | SYBO | C++-# | Example: sequence, Associative, & Derived | exauples: Sequence, tesozialik | Plastering 40 |
| 01/02/2020 | ME. | Сс | 1 - LA 1:- 1 | Boiling, Jorp | K.Venugapal |
| Remarks | ne (| | lent. | | Cc: Afro Ulman |

Sign. of Teacher





Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------------------|-------|---------|----------------------------|-------------------------------|------------|
| Monday 3 /02 /2021 | TYESZ | PPP | Painting functions | Biwling func | PAP BY RL |
| Tuesday /02_/20 2.0 | TYBSC | PPP | Compreting strings | Composity Strings | PAPP BY RL |
| ednesday | T7B9c | PHP | Planipulating of searching | Manipulating of Searcheing | PAPP BY F |
| 02/20120 | TYBS | PHP | Strings | Stoings | |

Lecture Details

| Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------|--|--|---|---|
| SyBS | C+4-# | Introduction: file | file | Mastering in |
| MSC | CC | Dead Coole Strengthe | Dead Cole Str. | 949 |
| HSC | CC | Reduction | Reduction | K. Venugopal |
| SyB82 1982 | C++-II | theractly of file alreams | file streams Closses | 12 destering \$10 C+4 Cc: Also Ullows |
| 7/02/2010 SYB& | C++-II | Proving operation withern bl | ock hottero domp | K. Venygopal |
| SYBSZ | C++.II | opening file | opening file | Plastering 10 |
| Msc | Cc | net of block | out of Slock | K. Venugopal |
| | 57 BZ 19 SC 19 SC 57 BZ 57 BZ 57 BZ | SYBS C++-II MSC GC HSC GC SYBS C++-II MSC CC SYBS C++-II SYBS C++-II | SyBS C++.II Introduction: file Dead Cole, Strengthe Reduction SyBS C++.II therarby of file streams Classes Ptoning operation witten bl SyBS C++.II opening file mot of block | SyBS C++-II Introduction: File File MSC CC Dead Cole, Strengthe Peduction Peduction File Streams Cht.II theraphy of file Observes Classes MSC CC SyBS C++.II SyBS C++.II Opening operation within block within day SyBS C++.II Opening file Opening file Opening file |

Sign. of Teacher





Lecture Detail

| Day 8 Date | Class | Subject | Week Second From 10 fo | Syllabus Covered | References |
|------------------------------|-------|---------|-------------------------------------|------------------------|------------|
| Monda 10 /02 /20 | 11/Do | PHP | D.L. | | |
| Tuesday /02/20 1 6 | 77862 | PHP | Regular Enpressions | Regular expressions | PAPP B7 RL |
| ednesday | TIBSE | PHP | Introduction of Benefits of ours | Brenefits of | PAPP BY RL |
| | TYBS | PHP | | | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-----------------|-------|---------|--------------------|------------------|---------------------|
| Thursday | SYEEZ | C++-# | closing file | file dose | Mastering PD |
| 13/02/2010 | P/Se | cc | Symber table | ST | C++ |
| | HSe | CC | Grigle Class | Ge-online | K. Venugepal |
| Friday | SYES | CPP-II | Examples | Quamples . | Mastering in |
| 4/2 /2020 SyBSe | Sysse | C++-II | inserted souted st | onlive | CPP K. Venugopal |
| Saturday | 84B82 | C++-# | file modes | file modes | Mastering in |
| 5/02 12020 | 버옷 | cc | Grigle Class | or live | K. Venugopal |
| Remarks | 416 | | Aren si | 1.3 | Cc: Atro Ulman |





Sign. of HOD / Vice Principal

Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|--------------------------------|-------|---------|------------------|------------------|------------|
| Monday 17/02/202 | 11100 | PIPP | D.L. | | |
| Tuesday 8/02_/20 2-0 | TYES2 | PHP | D.L. | , , | |
| ednesday | TYBSL | P#P | Hotiday: | | |
| 1 | MESZ | PIPP | Shivaji Tayanti | | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|---------------|--------|---------|--------------------------|------------------|---------------|
| | SyBS | C++-# | | | |
| Thursday | Msc | cc' | C.L.: Caval Leve | , q-3 | 1 1 |
| | HS | CC | | | |
| | SABSZ | C++ -II | , | | 1 |
| Friday | Pise | ec . | Hotiday: Malea Steirana | - 7 | |
| 410212020 | SYBS | 世、442 | / † ਮ ਾਂ | | |
| Saturday | SYBS | C++-II | file Inpact with Astream | file Stream | Plastering in |
| 22/02/2020 |) mail | 1 - | elass | 41 | 445 |
| | MBC | cc | Grigle class | orlive | K. Venugopal |
| Remarks | + cL | - | 445 4 | | |





Lecture Detail

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------------|---------------|---------|---------------------|------------------|------------|
| Monday 24/12/202 | 1785 <u>2</u> | PHP | Creating a class | Creating | PHP BY PL |
| Tuesday /02/20 2-0 | TYBSZ | PHP | Adding a Method | Metterd | PAP BY RL |
| ednesday Q/2028 | TYESZ | РНР | Adding a Profession | Toverfies | PHP BY R |
| | TYBE | PHP | | | |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-----------------------|-------|----------|----------------------------------|-------------------------|---------------------------------------|
| | Sybs | C++-# | Pito - 1 1 P 1 | P 1 | M |
| Thursday 7/02/2028 | 1752 | CC | file outpred with fatreaus class | file ozetpzet Stream | Mastering 20 CAP |
| | Pisc | CC | Grogle dass | orlive | K. Venugopal |
| I I I I I | SYBSC | C++-# | Example | Example | Mostering in |
| Friday | Msc | ec | | | C++ |
| 28 /92 /20 2 0 | Sybsc | C++ - II | Cruzte class | ordine | K. Venugopal |
| Saturday | SyBSL | C++- IF | Test Testorial -1 \$2 | Pest Tectorial | Cc: Afro ullman |
| 29/02/20 2. 8 | PISC | ec | Gnyle class | culine | totastering in C++ K. Venugopal |
| Remarks | | | | | 01 |

Sign. of Teacher

Sign. of HOD / Vice Principal





List of Questions for Credit Exams/Test/Sessional

Computer fided Graphics UG-CS-314

Q.1. Attempt the following - <57

1. The smallest addressable screen element is called i) Pixel ii) Graph iii) volatage derel ii) Color inform

2. The no. of Rixel solved the frame buffer of a graphic

i) depth ii) teeigeb iii) Pixel iv) resofation Slu is known as

3. The refresh rate below which a Picture flicker is

4)25 ii) 35 iii) 45

4. Randon Scan 3ysters mainty design for
i) realistic stude screen ii) for effect iii) line drawing apple

和) only cii)中(iii) 5. The Birmany outpout device in a grappleic system 15 i) &comer +i) video monitor +ii) Pointer ir) Hone.

Q.2. Attempt any theree - <12)

1. Explain brésenteurs line drawing algerithen.

2. Differentiate between Passive Vs Interactive Clr,

5. Explain Dample DDA line drawing algorithm.

4. What is windowing? viewing transformation.

9.3 Attempt any two - <87

1. Explain Gleen setterland Line dipping algo.

2. Compare of Contrast random Vs vaster display devis

3. Arrife a steast note on 2-p transformation.





List of Questions for Credit Exams/Test/Sessional

troogramming in C++. I No. CS-312 Out Attempt any theree of the following - <127 1. Enlist an emploin cleares of osps in brief 2. Weat is Scope resolvation operator?

3. Refine the term Constructor & Destructor

4. Explain the streeture of GA.

9.2. Attempt any two of the following - <87.

1. Grupare of Gutraet Streetweel Programy 13 orgices oriented frogrammy.

2. Explain any there's data types in Cit.

3. How to define member function in class. Explain Mitte Szitask example.

Q.3. Multiple choice auestia

1. Wheich of the following is implied becader file name? i) string ii) (iestream) (iii) (satreamy ir) (iestring)

2. We can use cost as procedural as well as orp +) True ++) false +ii) equal +v) Hull

3. Object Can be used as a function argument by

i) Pase by value ii) Pass by reference +ii) Hone of above ir) All of Above

4. CAA Supports 1) Construct Trinter +>) Reinter to Constant +>) Hone of the above in Both of the above.

5. Frenction Call aretomatically where an object is created is called as +) Oustrub + Constructor + destructor + state





List of Questions for Credit Exams/Test/Sessional

VG. CS. 203 Grupiler Gremention

- OI Attempt am five of the following <20%
 - 1. Describe in détail Compiler austrelle Port.
 - 2. Explain au Vensier of Compilation Prosess
 - 3. Implain role of dexial analyser
 - 4. Explain the following terms
 - 1) Token By deneme of Rattern
 - 5. Reseribe den Specification in detril.
 - 6. Compare & Contrast Compiler 13 Interpreter





List of Questions for Credit Exams/Test/Sessional

9.7.B.2 V4.C.322

Povgrzumy in CP+-II

9.1 Attempt any four - (3)

- 9. Wheat is function ? Explain in boief based of function
- b. What is Fourter ?
- e. Explain many operators.
- d. Wheat is friend function?
- e- Define new f delete operator
- f. Define function overloading.

g.2. Attempt any there - (12)

- a wheat is operator overloading? Explain with an switable example.
- b. Explain the Concept of Sinary operators
- c. Explain the Concept of Inline function with an suitable exemple.
- d. Explain function overloading with an Szitable example
- e. Notat is posuler to function of





List of Questions for Credit Exams/Test/Sessional

T.7.13.92 124.C8.413

Q-1 Attempt Any forer - (08)

9. What is indexed away?

b. Enlist the foatures of PAP.

e. Wheat is PHP?

d. Enlist the names of web bonnsers

e. Define assoziative assay

F. What is sompting doing"?

Q.2 Affempt cay Theree. (12)

a. Môte any five strong frenctions with syntax

Enlist au explain différent data types in PFP.

Explain Struebure & Syntan of PMP Soript.

d. which are the different dorping Construct Supposted in PHP & Give Syntaxs.

e. Compare f Contratt Asseriabre away 12 Hider array





Record of Credit / Unit Test

| Date | | -323 | 1 | T | Cre | dit / U | nit Test M | arks Pon | da. | 10.5 | - 450.75 | 15% |
|------|-----|------|-----|----|-----|---------|------------|-----------|----------|---------|----------|-----|
| Roll | No. | 1 | | - | | | Date | arks Prop | A consis | nog us | ang PHF |) |
| C | - | 32 | 11 | | IV | V | Roll No |). I | | | | |
| Ø | | 33 | | | | | 31 | 34 | 11 | Roll Mo | IV | V |
| 0 | - | 36 | | 1 | | | 32 | | | 61 | 40 | |
| 04 | - | 38 | | | | | 33 | 34 | | 62 | 34 | |
| 02 | - | | | | | | 34 | 37 | | 63 | 36 | |
| 06 | - | 36 | | 11 | | | 35 | 32 | | 64 | 22 | |
| 04 | - | 31 | - 1 | Ġ. | | | 36 | 32 | | 65- | 34 | |
| 08 | + | 34 | | + | | 1 | 37 | 32 | | 66 | 33 | |
| 09 | + | 35 | | 1 | | - | 38 | 30 | | 67 | 34 | |
| | | 38 | | V. | | | 39 | 30 | | 68 | 35 | |
| 10 | _ | 31 | | 1 | | | 40 | 30 | | 69 | 36 | |
| 11 | - | 38 | (1) | 7 | | 11 | 41 | 36 | | 70 | 30 | |
| 12 | | 35 | 1 | Y* | | | 42 | 32 | | 71 | 32 | |
| 13 | | 32 | . 1 | 1 | | 717 | 43 | | | - 8 | | |
| 14 | 13 | 38 | 1 | | | 1 / | 44 | 32 | | | | |
| 15 | 3 | 368 | 11 | | | | 45 | 32 | | | | |
| 16 | 3 | 32 | 115 | | | | | 32 | | | 7) | |
| 17 | 3 | 33 | T I | | | | | 32 | | | | |
| 18 | 12 | 6 | 1 | | | | | 34 | | 1 | | |
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| 20 | 3 | 5 | | | | | - | 38 | | | | |
| 21 | 3 | 4 | | | | - | - | | | | TM. | |
| 20 | 3 | 2 | | | | - 11 | | 34 38 | | | | |
| १३ | - | 4 | | | _ | - | | | | | | |
| 14 | 3 | | | | | -+ | | 34 | | - L | 111 | |
| 8 | 3 | | | | - | | | 36 | | | 7.5 | |
| 6 | 30 | | | | | - | | 34 | | | 119 | |
| | 36 | | | | | | | 34 | | T V | 17 | |
| 0 | | | | | | | | 34 | | 11 | 7.9 | |
| 8 | 30 | | | | | J | | 38 | | | D a | |
| | 31 | | | | | | | 38 | | | 28 | |
| 0 | 33 | | | | | . 0 | 60 | 40 | | | | |





Assessment of Test (Internal Examination)

| | r: UG-CS-402. | | Marks | Roll No. | Marks |
|----------|---------------|----------|-------|----------|-------|
| Roll No. | | Roll No. | | - 62 | |
| of | 38 | 32 | 35 | 63 | 28 |
| Ð | 32 | 33 | 37 | 649 | 29 |
| 03 | 36 | 34 | 38 | 65 | 30 |
| 04 | 37 | 35 | 36 | 66 | 36 |
| 05 | 38 | 36 | 35 | 67 | 24 |
| 06 | 38 | 37 | 38 | 68 | 38 |
| 07 | 37 | 38 | 36 | .69 | 25- |
| 08 | 38 | 39 | 37 | 70 | 24 |
| 09 | 36 | 40 | 38 | 71 | 24 |
| 10 | 38 | 41 | 37 | 72 | 37 |
| 1) | 31 | 42 | 38 | 73 | 32 |
| 12 | 28 | 43 | 40 | 74 | 33 |
| 13 | 28 | doto | 37 | 75 | 27 |
| 140 | 38 | 45 | 34 | 76 | 28 |
| 15 | 28 | 46 | 37 | 77 | 29 |
| 16 | 35 | 47 | 38 | 78 | 28 |
| 17 | 25 | 48 | 38 | 79 | 29 |
| 18 | 37 | 49 | 25 | | 30 |
| 19 | 38 | 150 | 38 | 80 | 27 |
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| 26 | 95 | 57 | 34 | | |
| 27 | 38 | 58 | 34 | | |
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| 29 | 31 | 60 | 24 | | |
| 30 | 38 | 61 | 35 | | |
| 31 | 39 | 62 | 26 | | |





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Result Analysis - Credit Test / Unit Test

| Branch & Year | Competer Goience 2019-20 | | | | | | |
|--------------------------------|--------------------------|------------|---|------------|----------|--|--|
| Semester | I | | | - No | - 12 | | |
| Subject | Comprete | r Aided Gr | aptics, c | ++ lungram | t- Im | | |
| Total No. of Students | CAG: 71 | ce: +40 | | | 1. | | |
| Analysis For: | Test - I | Test - K'I | Test - III | Test - IV | Test - V | | |
| Total No. of Students Appeared | 71 | 83 | | y.p | 15 | | |
| Total No. of Students Absent | 00 | 00 | | V 2 | 34 | | |
| Total No. of Students Passed | 71 | 83 | | 1.3 | | | |
| Total No. of Students Failed | 00 | 00 | | 1/12 | 11 | | |
| Percentage of Result | 100%. | 100. | *************************************** | 197 | 21 | | |

| to the second se | | | | | |
|--|----------|------------|------------|-----------|----------|
| Branch & Year | Gmp: | | |) | |
| Semester | | I | | 16 | |
| Subject | PHP 1 | gramm, | CAL Morga | ammy - II | |
| Total No. of Students | PHP: 71 | C++:83 | V | 0.3 | 111 |
| Analysis For: | Test - I | Test - W I | Test - III | Test - IV | Test - V |
| Total No. of Students Appeared | 71 | 83 | | | lesk v |
| Total No. of Students Absent | 00 | 00 | | | |
| Total No. of Students Passed | 71 | 83 | | 87 | 350 |
| Total No. of Students Failed | 00 | S | | - | 11.5 |
| Percentage of Result | 100% | 100. | | | 121 |
| | | | | | |





Result Analysis University

| Branch & Year | Computer Science 2019-20 | Composter Science Solg. 20 |
|-----------------------------------|----------------------------|----------------------------|
| Semester | ±. | I |
| Subject | Compositer Aided Grapteics | Programmy in CP+-I |
| Total No. of Students | 71 | 83 |
| Analysis For: | | |
| Total No. of Students Appeared | 71 | 83 |
| Total No. of Students Absent | 00 | 00 |
| Total No. of Students Passed | 67 | 69 |
| Total No. of Students Failed | 04 | 14 |
| Percentage of Result (College) | 94.36% | 83.13./. |
| Percentage of Result (University) | 84./ | 76./. |
| 11161 111 | | |

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|-----------------------------------|--|----|
| Branch & Year | | |
| Semester | | |
| Subject | | |
| Total No. of Students | | |
| Analysis For: | | |
| Total No. of Students Appeared | | |
| Total No. of Students Absent | | |
| Total No. of Students Passed | | |
| Total No. of Students Failed | | |
| Percentage of Result (College) | | |
| Percentage of Result (University) | | |





Record of Content Beyond Syllabus

| Sr. No. | Date | Name of the Topic | 2012/18/02 | |
|----------|--|--|------------|-------------------------------|
| | | of the lopic | Contents | Mapping with PEO |
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Record of Training / Visit

| Date | Details of Training / Visit |
|------|-----------------------------|
| of. | Pytheon 4.3 |
| Ø · | "R' Programm |
| B | Morelle management |
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Record of Consultancy Work / R & D Project

Co-curricular and Extracurricular activity Record

| Sr. No. | Name & Program | Month & Date | Group Teacher | Principal |
|---------|----------------------------|---------------------|--------------------|-----------|
| 1 | Admission Consoling | 12 th June - Ish | | |
| 2 | Antingging Committee | 15th June-25th July | 1 of 181 | 1 |
| 3 | Nekaroe function to 12, P4 | Aug 19 | | |
| 4 | Blood Donationation Cup | 25-th Aug-19 | Maria and a second | |
| 5 | Teacher's Day Celeralition | 5th sept.19 | | |
| 6 | Compater Ecience auix | Sept-19 | | 1 |
| 7 | Placement Activity | Nov./Dec. 19 | | |
| 8 | Statel devel Contest | ORE-JAN-20 | | |
| 9 | Poeter Presentation | Feb.20 | | |
| 10 | soft skill seminar | TM-Feb.20 | | |





Record of Project Guided Minor Project

| Sr. No. | Name of the Student | Minor Project Title |
|---------|---|--|
| 01 | Bornse Madkuti R. | RO Plant mgt. System |
| 02 | Pawar Gayatti K. Reore Prajakta B. Rajpul Hayruti Y. Patil Swarda S. | Medical toventory system Agriculture system oil mgt. System Strop mana. System |
| 03 | Deore Bajakta B. | Agriculture system |
| 04 | Rajpel Harpeti 7. | oil mgt. System |
| CJ- | Patri suvarda s. | Strop mana system |
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Record of Seminar Guided

| Sr. No. | the stille stillente | Project Title |
|---------|----------------------------|----------------------------|
| 01 | notal no. of students: 155 | Seminar on C++ Pargraining |
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Record of Seminars / Conferences / Summer - Winter Schools

| Sr. No. | Nature of Program | Place | Date (S) & Duration | Organized by |
|---------|--|---|----------------------|---|
| 01 | one day Nooksteep on Scilab on 4 19tay 2019 | R.C.Palel Institute of Technology | 2019 | Pandit Modan Mohan Malaviga Mational Mission on Teachers & Teachin |
| 02 | one day Nooksteep on Cinux on | R.c. Patel Institute of Technology | Azig. | (PHRD) -11- |
| 03 | esim a first Course in the IOT series for Teachers | → — | Sep. 2019 -21 | -PI |
| 04 | one day New Keleop on 'R' | -}I— | Nov.20fg -09 | +1 |
| 05 | one day syllabus restricturing | Acs College Chalisga | 7. Mart 2020 m | KBC NAU & Acs College. Chealisgam |

06 one week online FDP

RCPIMED APRIL 21 Spoken to April 26.20

Spoken Dutosial
III Bombay





Record of Expert Talk / Research Papers Publish

| Sr. No. | Conference / Institute | Month / Year | h Papers Publish |
|---------|---|--|--|
| 0 | (A peer Reviewed) International Journal of Computer | Vol. / Place ISSN NO. 2454-7719 Vol. 5- Issue-2 | A Review of Azitomated Techniques for Brain |
| | Research & Technology | Dely-Dec. 2019 | Tumor Detection |
| 02 | CS-Journals International Journal | #55H No. 0973-7391 Impact factor:5 | Digital Image I Boressing in Biotechnology |
| | F Computer Science & Communication | 15°46-1 Jan-2020 | for Environment Portection |
| | | | |
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Record of University / DTE / UGC / AICTE Duties Performed

| Sr. No. | Date | Nature of Assignment | Institute / University | Remark |
|---------|--------------|-------------------------------|------------------------|--------|
| 1 | Sept. 19-20 | UG - Pafer Betting | University | |
| 2 | Septions | PG - Paper setting | Variversity | |
| 3 | MON. 19.10 | Poactical & Raper Checking | Voireaity | |
| 4 | 293 401. | Jr. supervisor | +pstitute | |
| 5 | 2000 Jan | VG - Paper Setting | voiversity | |
| 6 | Jan 2000 | PG-Rafer Betting | Voiversity | |
| 7 | Mart 2000 | Poaetical Examiner | University | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |





Local Guardian Record

| No. | Name of Students | Class | Div. | Mobile No. | Student Sign. |
|-----|-----------------------|------------|---------|---------------------------|-------------------|
| 1 | Patil Kanctron Sanjay | T.Y.B.Sc. | A | 8108720398 | air. |
| 2 | Patil Pallavi S. | T.Y. B.S. | | 9359493779 | Table 1 |
| 3 | Sonawane Vaisteali s. | T.Y. B. S. | | 8857961360 | Yonaware |
| 4 | wagh tul Madleukar | -11- | | 8806780144 | |
| 5 | Sarale Tina Vistenu | -11- | -u | 8806780144 \$112407973 | Gina |
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Minutes Of Meeting

| Date of Meeting | Minutes |
|-----------------|--|
| 17/06/19 | Distribution of work, Requirement list Soft-Delt eleb activities, Workloodistribution, Result Analysis, Mademic |
| of delay that | Calender, National Conference, |
| 28/11/19 | first-sem. Result Analysis, About placement Activity. |
| | Aboret Industrial project. Soft-rouf club activities, |
| | Aborets State-Level Genoinar. |
| | Befaration Exam. Pinse Table |
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| | 17/06/19 |





Gertificate

| Designation Asst. Hof of C. Robel Arts. Converse & Lieuwe College. Shirpsur (Name of College) has submitted faculty Diary for the academic year 2019.202 |
|---|
| (Name of College |
| has submitted faculty Diary for the academic year. |
| with all complete details. |

Principal

Principal

R. C. PATEL INSTITUTE OF TECHNOLOGY

Near Nimzari Naka, Shahada Road, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 259600, Fax: 02563 - 259801,802 www.rcpit.ac.in

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R. C. PATEL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

Near Karwand Naka, Shirpur 425 405, Dist. Dhule, M.S. Tel.: 02563 - 255189, 251809 Fax:02563-251808, www.rcpatelpharmacy.co.in



H. R. PATEL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

Near Karwand Naka, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 257599 www.hrpatelpharmacy.co.in



R. C. PATEL ART, SCIENCE & COMMERCE COLLEGE

Near Karwand Naka, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 257328 www.rcpasc.ac.in



H. R. PATEL ART MAHILA COLLEGE

Opp. Telephone Exchange, Shirpur 425 405, Dist. Dhule, M. S.

Tel.: 02563 - 255302 www.hrpmahila.ac.in



INSTITUTE OF MANAGEMENT RESEARCH & DEVELOPMENT

Near Karwand Naka, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 251028 www.rcpimrd.ac.in



R. C. PATEL COLLEGE OF EDUCATION

Near Karwand Naka, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 255301 www.rcpcoedn.org.in



R. C. PATEL JUNIOR COLLEGE OF EDUCATION

Near Karwand Naka, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 257639





R. C. PATEL EDUCATIONAL TRUST

Academic Year 2022 - 2023

Semester ##

Department Computer Science

Class & Subject Computer

Faculty Name B. S. Panchbhai

FACULTY ACADEMIC DIARY...

R.C. Patel Arts, Commerce AND Science College, Shirpur (Prof.B.S.Panchbhai) bharat.panchbhai@gmail.com

Brief Bio-Data

| 1. Name of the teacher: | Bhanudas Suresa Panchinai | | |
|-------------------------|---------------------------|------------------------------|--|
| | | and the second of the second | |

M.C.S. , M.Phil. (Computer Science and Technology) .Phil (Pursuing) 2. Qualification

Computer Science 3. Specialization:

Yes (Pursuing PhD KBCNMU, Jalgami) 4. Are you actively involved in the research?

5. Do you have any research collaborations? Yes (National/International)

Ves Development of E-content Saksath.com (GC 6. Are you involved in the consultancy work?

7. Do you have organized National Conference/State level? Yes (Completed) (UGC funded)

8. Do you have organized National Seminar?

8. Research publications (Please specify no.):-

25 a. International Journal Publications

15 b. National Journal

02 c. College Journal

d. Books Published: 40 with ISSN No.

e. Articles OZ.

9. Workshop/Symposium: 40.

10. Refresher / Orientation / FDP / Training: 20

11. Teaching Experience: UG - 27 yrs. PG = 21 vrs.

12. Awards:

1. R.C. Patel Educational Trust's, R.C.Patel ACS College, Shirpur Best Teacher Award

2. Rashtriya Vidya Gaurav Poraskar by Indian Solidarity Council.

3. Bharat Vidya Shiromani Award by International Business Council.

4. Jewel of India Award by International Institute of Education and Management.

5. Rashtriya Vidya Gaurav Gold Medal Award By International Institute of education & Management.

6. EET CRT Education Pro ; Appreciation certificate and Tropby(2017)

7. ARCH of International Education Excellence Award by International Business Conneil.

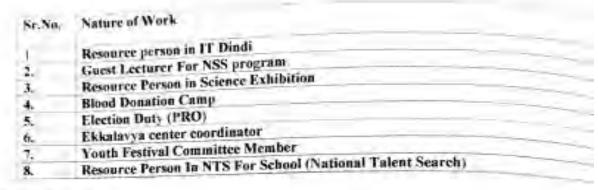
8. EET CRT Education Pro : Appreciation Certificate and Trophy(2019)

9. Economic Growth Society of India - Glory of education excellence award.(2021)

13. Contribution in social activities







14. Links/Membership

| Sr.No. | Linkage Institute/University | |
|--------|--|--|
| 1. | DOCS,N.M.U., Jalgaon | |
| 2. | R.C.Patel Institute of Technology, Shirpur | |
| 3. | Smt.Agrawal Institute, Chalisgaon | |
| 4. | LM.R.D.,Shirpur | |
| 5. | Priyadarshani SuitGirni Ltd, Shirpur | |
| 6. | Peoples Co-operative Bank Ltd, Shirpur | |
| 7. | DAVV, Indore | |
| 8, | Indian Science Congress Association | |
| 9. | AIMS International | |
| 10. | National Cyber Security ,New Delhi | |
| D. | IARDO Conference world. | |
| 12. | ATSS' HCMR-MCA,Pune | |

15. Work as a HOD, Honorary Director and PG recognized teacher, Placement coordinator, eklavya coordinator, certificate course coordinator, Admission committee & Avishkar committee, news, culture committee, Avishkar, internal examination committee member.

16. Work as a Subject expert in KBCNMU region colleges, LIC Committee Member, Practical & Theory papers chairman in UG/PG, Senior Supervisor, flying squad etc.





Particulars of faculty member and Telephone Numbers

R. C. Patel Arts, Com & Sci. College, Shirpur, Dist. – Dhule. Dept. of Computer Science

| Sr.No. | Faculty Name | Subject | Educational Qualification | Date of Appointmen |
|--------|----------------------------|---------------------|--------------------------------|-----------------------|
| 01 | Bhanudas Suresh Panchbhai | | M.C.S. M.Phil. Pursuing PhD | 18-10-1994 |
| | 2 4 54 134 | + | M.C.A., M.Phil., SET | 18-10-1996 |
| 02 | Sunil DhonduMone | Computer Science | M.Sc., SET | 19-08-2004 |
| 03 | AnandJayantialalMaheshwari | | M.Sc., NET | 06-08-2009 |
| 04 | DipakEknathChavan | | | 22-07-2020 |
| 05 | Anagha Bholane | Science | M.Sc., SET | 22-07-2022 |
| 06 | Ruchika Patil | | M.Sc. | 22-07-2022 |
| 07 | Suvarna Rajput | | M.Sc: | 22-07-2022 |
| - | Diksha Patil | | M.Sc. | 22-07-2022 |
| 08 | Jayashri Borase | | M.Sc. | 22-07-2026 |

R.C. Patel Arts, Commerce and Science College, Shirpur

Department of Computer Science

Academic Calendar 2022-2023

| Sr. No. | Name of Activity | Month and Year |
|---------|--|--|
| 1 | Admission Counseling for UG and PG | 15 [†] June to 31 [†] July-2022 For UI Aug to 20 th Aug 2022 |
| 2. | International Yoga Day Participation | 21° June 2022 |
| .3, | Welcome Function For PG students | 04" Sept. 2022 |
| 4. | On line Registration committee Ant ragging and preparation of merit list | 18th August 2022 to 30th Aug 202 |
| 5. | Computer science Conference organizing Committee | Month August/ September 22 |
| 6. | Teachers Day Celebration | 05th September 2022 |
| 7. | Placement Cell Activity | Through Academic Year |
| 8. | Internal Test UG and PG | 14th to 21st September 2022 |
| 9. | Computer Science Quiz Competition/PPT Competition | 2-4° October 2022 |
| 10. | Internal Test PG (Second Internal) | 16" October 2022 |
| 11, | Guidelines and Inspiration to students and Teachers for Avishkar | 25 to 28th December 2022 |
| 12. | Project Guidelines and Recent Trends in Computer By Speaker | 27th January 2023 |
| 13. | Culture Program Activities | January 2023 |
| 14. | Guest/Speaker | January 2023 |
| 15. | Internal Test UG and PG | 18th to 28th February 2023 |
| 16. | Poster Presentation Competition | 6 th March 2023 |
| 17- | Internal Test PG (second Internal) | 22nd March to 26th March 2023 |
| 18. | Send off for final year UG- and PG students | March 2023 |
| 19. | Preparation and Guidelines for M.Sc. Project Work | From December -22 to Till Examination, June -23 |
| 20. | Preparation of resume and placement cell activity | Through academic year |
| 21. | Run certificate Course In Commerce For Textile Industry | Through academic year |
| 22. | Conduct seminar on Various topics by PG students | Through academic year |
| 23. | Preparation of online feedback data of Teachers by students | 30 th April 2023 |
| 24. | Assist to Nonteaching Teoching and students for S/w and H/w, Internet etc. | Through academic year |
| 25. | Carrier Katta: Guidelines for MPSC/UPSC program | Through academic year |
| 26. | For UG and PG students :Conduct IIT Bombay Spoken tutorial Course / Courser a Courses/ Free Training Courses | Within academic year |





Sem. . I

Time- Table

| | Mon | Toe | Wed | Thu | Fri | Sat | Sun |
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Sem. I

Time- Table

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| P. N. | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
| 1 | T.Y.E.Sc (±V) | T.Y.B.S. (IV) | T.Y.B. &_ | M.Sc. | M.Sc. | M.Sc. | |
| 2 | | | S-Y. 13.82 CLab-100 | S.7.8.2 (Lab-111) | | | Certifical |
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| 4 | TY.B.Sc | | | S.Y.B.S. (P.I) | S.Y.B.Sc (P.E) | S.Y.B.S. (P.I) | |
| 5 | | | | | | M.Sc. | |
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Sem - I Paper - I

CS-DSC 2 C

Theory: 30 Hours

CS-DSC 2 C : COMP-212 : Programming in C++-I

Unit 1.IntroductiontoC++

LIBasics of C++, Structure of C++ Program

(6 L.18M)

- 1.2 keywords in C++, Data types hierarchy in C++
- 1.3 Operators in C++, Scope resolution operator, Insertion and Extraction operator, New and Del operators, reference operators.
- i.4 Manipulators : endl, setw. setfill, set precision.

Unit 2. Classes and objects

(8 L, 18M)

- 2.1 Classes, object, Specifying a class, Access specifiers. Class members
- 2.2 Defining member functions: Inside and Outside the class definition
- 2.3 Creating objects.
- 2.4Array of objects, Pointer and object, Array of pointer to object.

Unit 3 .Functions in C++

3.1 Basics of function and its need.

(6L,18M)

- 3.2 Functions Prototype.
- 3.3 Call by value, Call by reference with object.
- 3,4 Functions with default arguments.
- 3.5 Inline function.
- 3.6 friend function, friend class.

Unit 4 . Function Overloading

(4L,18M)

- 4.1 Concept of Polymorphism
- 4.2 Function overloading, function overloading with arguments
- 4.3 Scoping rules & features of function overloading.

Unit 5. Operator Overloading

(6 L,18M)

- 5.1 Introduction to operator overloading, rules of operator overloading
- 5.2 Operator overloading:
 - 5.2.1 Unary and binary operators,
 - 5.2.2 Comparison, arithmetic, assignment operator.
 - 5.2.3 Overloading new & delete operators

Reference Books:

- 1. Object oriented programming with C++, E Balgurusamy, ISBN-10: 9383286504; ISBN-13: 978-
- Programming with C++ D Ravichandran, ISBN, 0070681899, 97800706
- Programming in C++ by John H Hubbard, ISBN-10: 0071353461
- Mastering C++ by K Venugopal, Rajkumar, T Ravishankar, ISBN-10/ASIN: 0074634542





Lecture Planning (Teaching Plan)

| J | | rs.Sc. | Division Subject | cs - Soy Computer Adul |
|-----|----------|----------------|--|--|
| 51 | | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| No. | 01/08/22 | 01 | Origin of Gropester Gapteics Applies of CG | Pristory of Computer Graphics CA AEDIOS |
| | 02/08/22 | 03 | Basic Definitions | All Basic Deficition |
| - | 03/08/22 | 04 | How Interactive Graphics Display | Working of Internalia Graphics Display |
| - | 08/08/22 | 05.06 | The sale of the sa | Gneept of Random 4 Raster Scap |
| - | 10/08/22 | 07 | Co. ordinate System | Alexat Goodinate System |
| | 17/08/22 | 08 | The dimple DODA | Simple and Algorith |
| | 22/08/22 | _ | The Symmetrical DOA | Sympoetrical DDA Algorithm |
| | 23/08/22 | 0 | Bresentan's line diaming | Bresenham's line Braucing Algorithm |
| - | 24108122 | 12 | Bresentam's Gole drawing | Bresenham's Cirele Drawing Algerithm |
| - | 29/08/22 | 13,14 | | joined moltagement |
| - | 30/08/22 | 15 | Concatonations | About Concatonation |
| | 05/09/22 | 16,17 | 2-D Transformations | Concept of 2-0 Time |
| | 06/09/22 | 18 | 20 Matrix Representation | 2-D Matrix Represe ation |
| - | 07/09/22 | | &D Toaks fromations | Abovet 8-0 Transfor |
| - | 12/09/22 | | 3D Mattix Representation | Gocept of 3-D Matrix Representati |

Sign. of Teacher

130

Sign. of HOD / Vice Principal





Lecture Planning (Teaching Plan)

| Sr. Va. | Date | No. | Topics Plan | Unit / Chapter Learning Outcome |
|------------|----------------------|-------|--------------------------------------|--|
| 1 | 13/03/22 | 22 | Toursformation in Viewing | thout viewing Fransformation |
| 2 | 14/09/22 | 23 | The Perspective Townshousto | About Perspentive Trans |
| | 19/09/22 | 24,25 | Definitions - Window, Clipping | Definitions - Woodow Clipping & View Port |
| | 20/05/22 | 26 | Cheen Exitteeland line dip. Afgo. | Cohen-Sutterland line clip. Higo. Concept |
| 5 | 21/09/22 | 27,28 | Rotrgen Clipping | Robygon Clipping Algo. |
| | 26/09/22 | | The Windowing Towns for 10 | What is Windowing transfor? |
| 1 | 27/03/22 | 31 | 3-2 Clipping | -About 3-D clipping |
| | 0/10/22 | | Introduction to Seau Conversion | Introduction to Scan. Goversion Algorithm |
| 4 | 04/10/82 | 34 | Scan Converly dive . | Scan Converting live # |
| | 10/10/22 | 35,36 | Robigon Brawing | Totygon Drawing |
| 1 | 11/10/22 | 37 | Coherense | Porterties of Cherence |
| 2 | 17/10/82 | 38,39 | CYX) Algorithem | About (YX) Afgorithm |
| aj | 18/10/22 | 40 | Princity: Painters Algo. | Concept of Painters |
| | 19/10/22 | 41,42 | Object space of Image Space | What is object space of image space Alga . 8 |
| 5 | 67/11/22 08/11/22 | 48,44 | Depth Buffer Alga. Warned's Alga. | Depth bafter Alga 4 Namock's Alga |





Sign. of HOD / Vice Pr

Lecture Planning (Teaching Plan)

| (e | ectures Required a | s per the Syll | abus | |
|-----|--------------------|----------------|---------------------------------|--|
| Sr. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | 08/08/22 | 01-04 | Implement DON line Drawing 4 | go. DDA line Drawing ign. |
| ż | 22/08/22 | 04-08 | Implement Bresenbamis LDA | Bresenhams and a Row |
| 3 | 29/08/22 | 08-12 | Implement Bresenbarn's Circle A | Bresonbarn's Gele 7gm . |
| a | 05/09/22 | 12-16 | Block Biogram of Computer | write a poor to Draw Block Diagram of Guputu |
| É | 12/09/22 | 16-20 | Display flag of India | Write a Program to display flog of India. |
| 6 | 19/09/22 | 20-26 | Flowchart Symbols | Bran Fronzakant Symbol |
| 7 | 26/09/22 | 24.28 | Implement Trauslation Traus | WHITE a Translation Pa |
| 8 | 03/10/22 | 28.32 | Implement scaling Trans | White a Scaling Pyon |
| 9 | 10/10/22 | 32-36 | Implement Rotation Franco | write a Rotation Pgm |
| 0 | 17/10/22 | 36-40 | Implement Often - S. Line dip | ping Draw Gline Sulter. |
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Attendance Sheet (Theory / Practical/Tutorial)

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| Rail No. | Name of Children Par | m 0//08/100 | 20 | 50 | 08/08/80 | 9/ | 17/08/10 | -2368/80 | 25 | 34 | 26/08/2 | 30 | 16/2/s | 30 | 8 | 14/63/vz | ā | 14 | 19/03/2 | 2 | 400 |
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| 26 | | | +- | P | | 200 | | | | 1004 | p-7-0 | P | 100 | 300 | | - | _ | - | P | 200 | d |
| 28 | Barakau Dilip choul | | | P | 200 | P | P | P | P | A | 40-4 | P | 5-7 | P | | | P | | 911 | P | Į |
| 29 | Patil Tejusisini Sandir | | | P | P | + | r | | _ | - | P | A | | | | - | P | _ | | P | 1 |
| 30 | Makajan chaitalisha | ny F | P | P | | P | P | P | P | 100 | | | | | P | | | | | P | þ |
| 55 | Nemade Dynestwar P | . 1 | P | P | P | P | A | P | P | | A | | _ | | P | P | | 100 | 1 | 1 | 1 |
| 56 | Patel Haisted Rovindro | 1 1 | P | P | P | ۴ | | A | P | P | p | P | P | P | A | P | P | P | P | P | ŀ |
| 62 | | P | | P | A | P | P | P | P | P | P | P | F | A | P | P | P | P | P | P | Ì |
| 70 | chaehare Bhogyashir | K P | * | P | P | P | P | P | 4 | * | P | P | ř | P | P | P | P | 7 | P | P | 1 |
| 73 | | | | P | P | A | Þ | P | | | P | P | | | P | | 0.1 | P | P | P | ľ |
| 75 | chaudhan Arkita 8. | P | P | A | P | P. | P | F | A | | p- | F | ŕ | p | P | 4 | P | P | ρ | P | Ì |
| | Patil Harstrad April | | P | P | P | P | P | F | p | P | A | P | p | P | P | P | P | P | * | P | Ì |
| 77 | Biltoi Neleo S. | P | 4 | P | P | P | P | P | P | P | P | | P | P | A | P | P | P | P | A | Ì |
| 79 | Bltoi Nelta S. Patil Bivya J. | P | P | | | | | A | 4 | | P | | | | | | | | P | P | þ |
| 80 | Masare Kamini D | . 4 | ρ | P | P | P | ۴ | P | P | A | P | P | P | P | P | - | P | P | P | 4 | J |
| 83 | Patil Harish Plavind | a P | P. | P | P | P | + | P | P | ŧ | P | P | | | P | | P | P | P | P | 6 |
| 34 | Bonik Kalyani P. | P | p | + | P | P | P | P | P | P | P | P | P | P | P | 4 | P | P | P | P | Ü |
| | Salunkhe Jayesh S | | P | P | P | 4 | P | P | P | P | P | | | | | | | | A | | |
| 38 | Priyauka Jaynath T | اسه | P | P | P | f | P | P | 4 | P | P | P | P | ۴ | P | P | 4 | P | P | f | 1 |
| 28 | Tichent Tejus wini I | P | P | P | 4 | P | F | • | P | P | P | P | P | 4 | P | P | P | P | P | f | 1 |
| 90 | Sharped Meghana S. | P | P | 4 | P | P | P | P | A | P | P | P | P | + | P | P | P | p | P | P | 9 |
| | Thorat Ashadini Vasau | t P | P | P | P | 4 | P | P | P | P | P | P | P | P | P | P | A | P | P | P | 1 |
| _ | Gayati Dyuesh Navi Rdi | | P | A | P | P | P | P | ۴ | P | P | P | P | 4 | P | P | P | P | Р | P | 1 |
| | Chavan Nandini Prable | | | P | P | 4 | Ą | P | P | P | P | P | P | P | P | P | P | P | P. | 4 | 1 |
| | Joddtav Wishort R. | • | | P | | P | P | P | P | A | P | P | * | P | P | P | P | P | p | P | 1 |
| 90 | Patil shreya A | P | | P | A | P | P | P | P | P | P | P | P | P | P | P | P | 4 | P | P | 1 |
| 68 | Upodliyay Mayur G | A | | | | | | | | | | | | | | | | | | | |
| 03 | Paudestei Yasta P. | P | P | P | P | A | P | | P | P | P | P | P | P | P | P | A | P | P | 1 | 1 |
| | Pattl Bager R. | | | | | | | | | | | | | | | | | | P | | |
| 22 | KOC NINTES: | P | P | P | Þ | ₽ | P | A | P | P | P | P | P | P | P | P | P | p | P | P | 1 |
| | Biladi Nileste S. | P | P | P | A | P | P | P | P | P | P | P | P | P | P | A | p | P | P | P | 1 |





Attendance Sheet (Theory / Practical/Tutorial)

| Roll No. | 26/02/12 | 83 | 12/10/m | 4 | 2 10/18/20 | 11 | HINIA | 18/18/2 | 6) | July 2 | # 14180 T | | | | | | | | | | | | | | | |
|-------------|----------|------|---------|-----|------------|------|-------|---------|----|--------|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 21 | 22 | 23 | 24 | 2 | 26 | 27 | 28 | | | | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 |
| | P | P | 4 | P | P | P | P | P | A | P | P | | | | | | | | | | L | | | - | | H |
| | P | P | P | 4 | P | P | P | ₽ | P | p | P | | | | | | | | | | | | | L | L | |
| | 8 | P | P | P | 4 | P | P | P | P | A | P | | Ц | | | | | | | | | | | | | |
| | P | A | P | P | P | P | P | P | ₽ | P | P | | | | | | | | | | | | | | | |
| | * | P | P | P | P | Ą | P | P | P | P | P | | | | | | | | j. | | | | | | | Ш |
| | P | P | P | A | P | F | P | P | P | P | P | | | | | | | | | | L | | | | | |
| | P | P | r | P | P | 1 | 4 | P | P | P | P | | | | | | | | | | | Ц | | | | |
| | P | P | * | * | P | P | P | 4 | P | P | P | | L | | | | | | | | | | | | -3 | |
| | P | P | 4 | P | P | P | P | P | P | P | P | | | | | | | | | | | | | | | |
| | P | P | P | P | P | P | 4 | p | P | P | P | | | | | | | | L | | | | | | | |
| | 4 | P | P | P | P | P | P | P | 4 | P | P | | | | | L | | | | | | | | | | |
| | P | P | P | P | 4 | 4 | P | P | P | P | P | | | | | | L | | | | | | | | | |
| | P | P | P | P | P | P | P | 4 | P | P | P | | | | | L | | | | | | | | | | |
| | P | P | P | P | P | P | P | P | P | P | P | | L | | | | L | L | | | | 1 | | | | |
| | P | 0 | P | P | 4 | P | P | P | P | P | P | | | | | L | | | L | _ | | L | Н | | | H |
| | P | P | P | P | P | P | P | P | 4 | P | P | | | | | | L | | | | - | H | | | - | |
| | P | P | P | A | P | P | P | P | P | P | P | | | | L | | L | | L | | | - | H | | H | - |
| | P | P | P | A | P | P | P | P | P | P | P | | | | | | E | - | - | - | - | | H | H | H | - |
| | P | P | P | 100 | P | 1 | P | P | P | P | P | | | | | L | | | - | | | - | | | | Н |
| | P | - | - 7. | 417 | P | P | P | P | P | P | P | | | | | | | H | H | H | | - | H | - | E | H |
| | P | P | | | P | A | - | P | - | P | P | | | | | | - | L | | - | | - | | Н | H | H |
| | P | 4. | 4- | 110 | 1 | 7 | P | A | P | P | P | | | | L | L | | - | H | - | H | | | - | H | H |
| | P | 116 | | | 900 | | - | P | P | | P | | | L | L | | | H | H | H | | H | + | | | H |
| | P | 40 | - 4-6 | | -17 | 100 | | P | P | P | P | L | L | | L | H | - | H | H | - | H | H | H | H | H | H |
| | P | - | -9-0-1 | | 9 | - | P | P | P | F | P | L | | L | | 1 | H | H | - | - | - | H | H | - | H | H |
| T | 1 | | - | - | - | 42- | - | A | A | 1 | P | E | | L | | | - | | | - | - | | - | | | H |
| | P | 1100 | | - | | - 0 | _ | P | P | P | P | | | - | - | H | - | - | - | - | - | - | | - | | - |
| - | F | - | - | | | 0.00 | | -9-2 | P | P | P | 1 | 1 | L | | H | - | - | - | + | - | - | + | | | - |
| | | | 400 | 100 | - 10 | 4-0 | 1 6 | | | P | P | | L | L | - | + | - | - | H | - | - | + | - | | - | - |
| - | P | - | PF | 1 | - | + | - | 1 | P | 1 | P | 1 | | 1 | | | 1 | | | 1 | 1 | 1 | - | | | - |





Lecture Detail

| Month | Aug. | Wee | k From 01 Aug | . To 06 | Aug 22 |
|-------------------------|-------|----------------------------------|--|--|---|
| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
| Monday 0 /08/2023 | TYESC | CAG: Gupputer Aided Gaphic | origin of Empeder Graphics APPLIPS OF CG | | Tainciples of theractive Computer Graphics William M. Herman |
| Tuesday 52 /68 /2023 | TYBSc | CAG | Booic Refinitions | Definitions Pixel Compositer Graphics Resolution | Biociples of Interactive Gupulor Graphus Newman & Logan |
| Wednesday | TYBSc | CAG | How Interactive Grapteics Bisplay Nooks ? | Interactive Grapterics Bisplay Working Greepts | - |

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------------------------|-------|----------------------|-------------------------|---|--|
| Thursday 04/08/2022 | Sybse | COMP-212 Programy in | Redaics of C++ | Bosics of C++ Features Rules identifiers | Posgramoing 2014 Ctt 2. Rovideandran |
| Friday 05/08/2022 | STESS | -H- C++-I | Structure of C++ Rogram | Structure of C++ - Program Structu | Bogrammy With CH CH B. Raioteandran |
| Saturday 06/08/ ²⁰² 2 | Sybk | -1 C++-I | Keywords in C++ | Reywords Literals - Reserved words - Keywords | -0 |
| Remarks | | | | | |





Lecture Detail

| Day & Date | Class | Subject | Vook 1-022144 From 22 Acc | Syllabus Covered | Acig - 22 |
|--|--------|-------------------------------------|---|-------------------------------|--|
| Monday 2 4 /6 8 /202 5 | TYESSE | CAG Gmpzder Aided Graphics | The Symmetrical 1004 | Symmetrical BD4 | Poinciples of Interactive Compacter Graphics Newman & Roger |
| Tuesday 23/08/202 5 | TYBSC | CAG | Bresenham's line drawing - Agonithu | line drawing algorithm | ~1 |
| Wednesday 24/σ8/202 & | TYBSc | CAG | Bresenteaus Circle dinning Algorithm | Circle drawny algorithm | Principles of Internative Compater Graphic Newmon & Rogans |

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|------------------------|-------|-------------|-----------------------|--|---|
| Thursday 25/08/2022 | SYBSc | Rogrammy 10 | selfill, set Recision | selfill sel Prevision with example | Programming With C++ D. Rovickandra |
| Fridzy 26/08/2022 | STESS | C++- r | closses, object | Classes Fobject Structure Genauela | Pooprawwy worth |
| Saturday 27/08/2020 | SYBS | -# C++-I | Speaifying a class | Specifying a class with example | Pargramy with C++ K. Venugopal |
| Remarks | | | | | |





Record of Credit / Unit Test

| Date | 100 | | | - | - | nit Test Mar | | 1 4 | Pade | T. Car | 11694 |
|------------|-----|---|-------|----|----|--------------|----|-----|------|--------|-------|
| Roll No. | 1 | п | - 101 | IV | 14 | Date | | | | 4. | |
| 699 | | | - 111 | IV | V | Roll No. | 1 | 0 | III. | IV | v |
| | 35 | | | | | 729 | 28 | - | | | |
| 700 | 36 | | | | | 730 | 38 | | | | |
| 70 | 33 | | | | | 731 | 39 | | | | |
| 762 | | | | | | 732 | 32 | | | | |
| 703 | 33 | | | | | 733 | 22 | | | | |
| 704 | 32 | | | | | 734 | 24 | 4 | | | |
| 705 | 37 | | | | | 735 | 36 | | | | |
| 706 | 26 | | | | | 7.36 | 32 | | | | |
| 707 | 28 | | | | | 737 | 28 | | | | |
| 708 | 38 | | | | | 738 | 37 | | | | |
| 709 | 40 | | | | | 7.39 | 90 | | - | | |
| 710 | 30 | | | | | 740 | 40 | | | | |
| 711 | 34 | | | | | 761 | 22 | | | | |
| 712 | 22 | | | | | 742 | 36 | | | | |
| 713 | 39 | | | | | 743 | 34 | | | | |
| 714 | 34 | | | | | 766 | 38 | | | | - |
| 715 | 32 | | | | | 745 | 36 | | | | |
| 716 | 40 | | 1 | | | 746 | 26 | | | | |
| 717 | 34 | | | | | 747 | 28 | | | | 1 |
| 718 | 32 | | | | | 748 | 40 | | | | |
| 719 | 31 | | | | | 749 | 31 | | | | |
| 720 | 38 | | | | | 750 | 34 | | | | |
| 721 | 38 | | | | | 751 | 33 | | | | |
| | 27 | | | | | 752 | 33 | | | | |
| 729 | 37 | | | | | 73 | 36 | | | | |
| 724 | 22 | | | | | 754 | 30 | | | | |
| 725 | 26 | | | | | 7.55 | 36 | | | | 1 |
| 726 | 39 | | | | | 756 | 32 | | | | - |
| | 36 | | | | | 757 | 32 | | - | | + |
| 727 728 | 30 | - | | - | | 758 | 33 | | | - | + |





Record of Credit / Unit Test

| | | | | Cre | dit / Ur | it Test Mar | ks | 10.00 | | | |
|----------|----|---|----|-----|----------|-------------|----|-------|-----|----|---|
| Date | | | | | | Date | | | | | |
| Roll No. | 1 | 0 | 10 | IV | ٧ | Roll No. | 1 | - 11 | 111 | IV | ٧ |
| 759 | 22 | | 1 | | | 789 | 38 | | | | |
| 760 | 39 | | | | | 730 | 28 | | | | |
| 761 | 26 | | | | | 791 | 30 | | | | |
| 762 | 32 | | | | | 792 | 36 | | | | |
| 763 | 32 | | | | | 1-1-1 | | | | | |
| 764 | 26 | | | | | | | | | | |
| 765 | 30 | | | | | | | | | | |
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| 768 | 34 | | | | | | | | | | |
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| 770 | 31 | | | | | | | | | | |
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| 773 | 39 | | | | | | | | | | |
| 774 | 32 | | | | | | | | | | |
| 775 | 36 | | | | | | | | | | |
| 776 | 28 | | | | | | | | | | |
| 777 | 29 | | | | | | | | | | |
| 778 | 33 | | | | | | | | | | |
| 779 | 34 | | | | | | | | | | |
| 780 | 88 | | | | | | | | | | |
| 781 | 34 | | | | | | | | | | |
| 782 | 28 | | | | | | | | | | |
| 783 | 30 | | | | | | | | | | |
| 784 | 34 | | | | | | | | | | |
| \$422- | 34 | | | | | | | | | | |
| 78% | 32 | | | | | | | | | | |
| 787 | 35 | | | | | | | | | | |
| 788 | 38 | | | | | | | | | | |





Lecture Planning (Teaching Plan)

| O | ass M. | Sc. | Division Subject: | impiler Construction |
|------------|-----------------|-----------------|-------------------------------|------------------------------------|
| Le | ctures Required | as per the Syll | abus | |
| Sr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| i | 12/4/23 | 01, 02 | Analysis model of Coupilation | Analysis phase |
| 2 | 23/01/23 | 100 | Synthesis model of Gupilation | Synthesis phase |
| 3 | 04/02/23 | 54 | Various phases of Couriler | Phases of Gupiler |
| 4 | 09/02/23 | a2 a2 | Gupiler Construction Tooks | Compiler Contraction |
| Š | (ल्लास्ड | 157 | Compiler Vs Interpreter | Compaining |
| 6 | 11/0/23 | 08 | Role of Jeneical analytics | Rote of doxical hum. |
| 7 | 16/08/23 | 3,10 | Roiser, Symbol Table | Parser, ST |
| 8 | 18/02/23 | 11 | token . beveue & Pattern | Tems Leneus & Path |
| 9 | श्चिवाद्य | 14,13 | denical errors | enters . |
| 10 | व्रदावा २३ | 16 | Regular Definition | Regular Supression |
| 11 | र्ववारः | 13- | Transition Diagram | Transitian Diagram |
| 2 | वानारक | 16,17 | LEX | LEX |
| 3 | 3/9/23 | 18 | Ambiquity | Ambiquity |
| 4 | 34/19/23 | 19 | Associationty | Associativity |
| 5 | भाषा | 20,21 | Precedence | Precedence |

Sign of Teacher

Sign. of HOD / Vice Principal



R. C. PATEL EDUCATIONAL TRUST



Lecture Planning (Teaching Plan)

| | octures Required | Sc as per the Syll | Division Subject: G | impiler Gustaletian |
|------------|--|---------------------------------|--|---|
| Şr. No. | Date | Lecture No. | Topics Plan | Unit / Chapter Learning Outcome |
| 1 | 18/01/23 | \$ E | top down Parsing | Top down Taner |
| 2 | 11/03/23 | 13 | Recursive descent Parsing | Recursive descent Passe |
| 3 | 16/03/23 | 24,25 | Bottom up Parsing, LR Parsers SLR, LALR, LR. YACC | Companision of types |
| 4 | 17/09/23 | 26 | Symbol Table | Symbol Table |
| 5 | 18/8/23 | 2.7 | Dynamic Stooge allocation | Dynamic Storage |
| 6 | 23/03/23 | 28, 29 | activation the | Activation Tree |
| 7 | 24/8/23 | 30 | Intermediate representa | Hons Code representation |
| 8 | থ্যা হাৰত | 31 | Translation of declarations | Translatin |
| 9 | अंग्रीश श्च | 32,33 | Assignment, Gotton from | Assignment Control Flow |
| 10 | 3/6/23 | 34 | Bortean expressions | Bosteau expression |
| 11 | 06/44/23 | 35,36 | Procedure Calls, implements | Hiad issues implementations |
| 12 | 07/04/23 | 37,38 | Basiz Blocks of flow graphes | Barn Blooks |
| 13 | <i>व्हाव्या</i> क्र | 39,48 | Register all nation Code govern | Him Register #10 Gode governion |
| 14 | 13/9/28 | 41,42 | Dag reposseutation of Pguy | Rag Representation |
| 15 | 14/04/28 | 43,44 | Gode generators | Poep feate optimization Gode generatur |
| | 15/04/23 20/04/23 21/04/23 22/04/13 Sign. of Sea | 47,48 49,50 51,52 cher | prestonded funds of operators | Brottom up is typ down. Polymorphis, fun- |





| Day & Date | Clino | Subject | Syllahus Manned | Syllabus Covered | References |
|-----------------------------------|-------|-----------------------------------|--|--|--|
| kfoeday (3 100 /2013 | TYESE | Theory of Conjuster Science | Regular Expression to | Examples on Regular Expression to Froite Automata | Theory of Coupaki Science 139 J.D. Ullman |
| To entary • (a 2 / 2 / 20/ 25 | тувац | Theory of Computer Science | Finite Metowata to Regular expression | Examples on froite fatomata to Regular expression | Compater Science |
| Widnessey | TYB5_ | Theory of Compositor | -Application of FA | Applications of Timite Automates | theory of Companies Science 134 |

Lecture Details

| Day & Date | Class | Subject | Syllabus Planned | Syllabus Covered | References |
|-------------------------|-------|--------------------------------|-----------------------------------|---|-------------------------------------|
| Thursday (102 /2013) | SYBSC | Programmy neith Con-IT | Derived class | Program on Derived Class Constructors | E++ Pargram By E Balgunava |
| Friday 17 /02 /2023 | эүвъ | Personal Residence And Andrews | — D.L. | | |
| Seturday 18 62 /202 | 97B£ | Programmy with G+-II | Benefits of interitance In C++ | Importance of Interitance | C++ Bagganan Bp B. Ranchardow |
| Remarks | | | | | |
| | Sign | Teacher | 130 | 3 10.55 Sign of HOO , vic | Mules Lis Principal |





List of Questions for Credit Exams/Test/Sessional

S.Y.B.Sc

Programming in C++ -I

- Max. Marks: 20 Q.1. Attempt any four of the following - (08)
 - a) what is inheritance?
 - b) Define exception.
 - c) what is destructor?
 - d) what is file ?
 - e) Define Virtual function.
- Q.2. Attempt any three of the following (127
 - a) Enlist of explain types of inheritance in brief.
 - 6) what is Constructor & Explain Parameterized Constructor with socitable example.
 - c) Explain the Gocept of exception teandling mechanism with suitable example.
 - d) what is derived class & Explain pure virtual function with southble example.





List of Questions for Credit Exams/Test/Sessional

Theoretical Computer Science

Max. Marks: 20

- Q.1 Attempt any form of the following (08)
 - a) what is set & Inlist operation perform on set.
- b) Define relation. Give properties of relation.
- c) what is Determination finite automata?
- d) Express in english: (0+1) *00 (1+0)*
- e) what is Prumping demma?
- 9.2. Attempt any theree of the following (127
 - a) Find AUB, And, A-B, A*B, 28 TF A = \$1,2,33. B = \$3.4.53
 - b) Construct FA for even number of 0's & 1's.
 - c) Powe that large L= 20P/Pisa proince }
 - is regular or non regular.
 - d) Construct FA for the following regular expression. (0+11)*001*





Record of Content Beyond Syllabus

| Sr. No. | Date | Name of the Topic | Contents | Mapping with PEO |
|---------|------|-------------------|----------|------------------|
| | | | | |
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Record of Training / Visit

| Date | Details of Training / Visit | | | | | | |
|---------------------|---|--|--|--|--|--|--|
| 4 to 11 March 18 | "New teebrology Kaustealya Alliyan - 28" - Nimzari Austma | | | | | | |
| | | | | | | | |
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Record of Consultancy Work / R & D Project

| Period | Details of Work | Amount | Funding Agency |
|--------|-----------------|--------|----------------|
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Co-curricular and Extracurricular activity Record

| Sr. No. | Name & Program | Month & Date | Group Teacher | Principal |
|---------|---|-----------------|---|-----------|
| 1. | A state level Cose study | 2/5/23 | R.s. Tanchbhai | |
| 2 | f 'c/c++ Tam Grapetition | | Co. ordinator | |
| 3. | Essay Competition | 413123 | 8.s. Panclebleai | |
| 4 . | Hag fund Raising Day | 26/03/23 | G.ordinator | |
| 5 • | world Togo Day | 21/06/22 | Group Teacher | |
| 6 • | Blood Bonation Camp | 25/08/22 | Grup Teacher | |
| 7 . | English Composkills & | March 13 - 2023 | B.s. Parchbhai Gordinator | |
| 8 | CSRW SKIII | 122 | By s. Pandeble | |
| 9 . | Three days Workshop on "New Technology Kaushal Abbiyan "-23 | 9 to 11 March | Co. ordinator | |
| 10 | Abbeiyan ~- 28 | 17 Mary 2023 | | |
| | Mega Coupeus Drive HEP. 2020 Conference | | Co-ordinator Co-ordinator Certificate Guitt | ea |





Record of Project Guided Minor Project

| Sr. No. | Name of the Student | Minor Project Title |
|---------|----------------------------------|---------------------------------|
| 1. | Miss. Trupti Kantilal Patel | School Management System |
| 2. | Mr. Jadbar Rabel Aimal | Employee Management System |
| 3. | Miss Mayun (DinHar tedt) | Cotton Crop Disease tocalistion |
| 4. | Miss. Trzupti Prakashsing Rajput | Toutism system |
| 5. | Miss. Jodhav Jagnuti Rajendra | |
| 6. | Mr Duryesh Southon Monathe. | school management system. |
| Ŧ | Mics Abri Archana Taypal | redical management system |
| 8 | Miss Badquine Neha Kishoe | Come health insurance by |
| 9 | Por Court Amicha Ganosh | Library Management System |
| 10 | miss. Badgujak megho peodip | online event management st |
| / | | 2.1 |
| 05 | 5- Fire students under M | y Guidance |
| | other five students take | Help from me |
| | because one shiff mem | ber to on medical growns. |
| 3 | | |
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Record of Seminar Guided

| Sr. No. | Name of the Students | Project Title |
|---------|------------------------------|-------------------------------|
| 1 | Miss Jadhay Jagruli Rajendro | Online Banking Transaction Su |
| 2 | Me- gryosethi Bhupendan 8. | |
| 3 | Mr. Durgesh Sontoch Monda | 1,1 |
| 4 | Miss: Bhoi Archana Jaypal | medical management System |
| 5 | MISS CHAUHAN MEGHA JANTAY | online mobile stopping |
| 6 | Miss Badgujae Neha Kishoe. | Core heath insurance bystem |
| 7 | Mr. Jadhar Rahul Ajmal | Employee Mahagement System |
| 8 | Miss. Patel Toupti Kantilal | 3 chool Management system |
| 9 | Mies Kapole Isha Dhananjay | Movie ticket booking System |
| lo | Miss Khairnar Safana Verly | Online food ordering. |
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Record of Seminars / Conferences / Summer - Winter Schools

| Sr. No. | Nature of Program | Place | Date (5) & Duration | Organized by |
|---------|---|------------------------------------|-----------------------|--|
| 1. | Participation in International Conference on RISEMEN | J.S. University Soleitphabad | 22-23 Nav. 2622 | I.s. University in Collaboration with msv, Conference with etc. Sterkoteabad. |
| \$ | National level Emerging Troends in Remote Sensing - ETRS-2022 | | 26 Nov. 2022 | Acs Gllege Beed Commerce Cellege Plane, Acs College Alemedhagar With IEEE - GRSS, Bombay |
| 3 | International online Workshop on Mactrine learning A Deep Dive | 9 | 17-19 Dec 2022 | Inspire softech Solutions, Chemnou - 600059 |
| 4. | Webinar on Advances in Gropsting | KBC NMU, Jalgaa | 2 ~ 3 Marsh , 2023 | KBCHMU, Jalgoon School of Computer Sciences |
| 6 | Workstrop on "streamlining Accreditation Data Mylinife" | ARKalKuwa | 5 Aproil 2023 | Master soft to association with JIIV'S Ali Aflaua Gellege of Atlantacy AKKaKUWA |





Record of Expert Talk / Research Papers Publish

| Sr. No. | Nature of the Journal / Conference / Institute | Month / Year Vol. / Place | Title of Paper / Topic |
|------------|--|------------------------------|---|
| 1. | Three days | 9 to 11 Morch 2023 | Talk on topic: "New Technology Kaustealya Abkiyan.21 "Niwaani |
| 2. | Journal for Basic Sciences 18c Cave Group-II Hepro. Josephal ISSH HO. 1006-836 | 2 May 2023 V. 23 , I·S | Guparative study of Health Tempinology Standards for patient Gooplaint Translation System |
| 3 . | Kuroud & Vrunda A Joint Venture Jalgran | 1 Dec. 2022 | Internet Computing 978-93-93867-00-0 |
| 4. | Kumud & Virunda A Joint Venture , Jalgaar | 1 &ee. | Programmy in C-# 978-93-93867-38-4 |
| | | | |





Record of University / DTE / UGC / AICTE Duties Performed

| r No. | Date | feature of Assignment | institute / University | Hemark |
|-------|------------|--|------------------------|--------|
| 4 | 25/11/2022 | Practical chairman M.Sc.CIT) 75/2022 | university | |
| 2 | 03 03 23 | Prodical Examples M.C.A. KBCHMU/70/559/2023 | University | |
| á | 18/05/2023 | | University | |
| 4 | 12/12/2022 | Paper Assessment 7-1/ODE/4042/Winte/20 | wivenity | |
| ŝ. | 12/09/200 | Kaler Setting | University | |
| ō | 07/01/2028 | External Practical Examiner 7-0/43123 | lwiversity | |
| 7 | 18/04/2003 | Fafer Setting T.Y.B.Sc./M.Sc. | Iniversity | |
| 8 | astostava | Paper Assessment | mivesity | |
| 9 | 1/04/2023 | Appringed of au Expert Gunittee for men atlege | wiremity | |
| 10 | | KBOHMO/DOHO.9/HOW College | e-28-24/33/2013 | |





Local Guardian Record

| No. | Name of Students | Class | Div. | Mobile No. | Student Sign. |
|-----|---------------------------------|---------|------|------------|---------------|
| 1 | Miss Trupti Kantilal Patel | M.Sc.IT | | 8780890203 | Potel |
| 2 | Mr. Jadbav Rabul timal | -11- | | 7249490575 | Rehul Frolls |
| 3 | Miss. Mayuri Dinkar Patil | -#- | | 9657546266 | Pari |
| 4 | Miss. Troupti Prakasksing Rejak | 4- | | 744636581 | Light |
| 5 | miss Patil Megha millind | -11- | | 9373809212 | ayest |
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Minutes Of Meeting

| Sr. No. | Date of Meeting | Minutes |
|---------|-----------------|---|
| 1 | 15 th June 2000 | Admission Connecting for U6 & PG |
| 2 | And. 5000 | Rogarding Departmental Activities. |
| 3 | Sept 2022 | Regarding Placement Activity |
| 4 | at you | Internal Examination-I, II, V |
| 5 | Dec 2022 | About Departmental Activities |
| 6 | Jan. 2023 | Regarding M.Sc (cs) Project Guideline |
| 7 | Feb . 2098 | Norkshop / seminar / Idaeunend totivity |
| 8 | regarde 2023 | Internal Examination -#, IV. VI |
| 9 | April 2023 | Feedback from 18/196 Students |

Teacher Sign,

HOD Sign.

Gertificate

| - | - cy care |
|---|--|
| | This is to certify that Mr. / Mrs. |
| | Bhanudas swest Panchobai |
| | Designation test Poof. of R.C. Patel Arts. |
| | Commerce & exience Collège Steinpar |
| | (Name of College) |
| | has submitted faculty 'Diary for the academic year 2022 - 2023 |
| | with all complete details. |
| | Date: 07/06/2023 |
| | Date: 07 / 00 /2013 |
| | |
| | Estable Estable |
| | HOD. Vice-Principal Principal 202 |

H.O.D.

R. C. PATEL INSTITUTE OF TECHNOLOGY

Near Nimzari Naka, Shahada Road, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 259600, Fax: 02563 - 259801,802 www.rcpit.ac.in

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Near Karwand Naka, Shirpur 425 405, Dist. Dhule, M.S. Tel.: 02563 - 255189, 251809 Fax:02563-251808, www.rcpatelpharmacy.co.in

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Near Karwand Naka, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 257328 www.rcpasc.ac.in

H. R. PATEL ART MAHILA COLLEGE

Opp. Telephone Exchange, Shirpur 425 405, Dist. Dhule, M. S.: Tel.: 02563 - 255302 www.hrpmahila.ac.in

INSTITUTE OF MANAGEMENT RESEARCH & DEVELOPMENT

Near Karwand Naka, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 251028 www.rcpimrd.ac.in

R. C. PATEL COLLEGE OF EDUCATION

Near Karwand Naka, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 255301 www.rcpcoedn.org.in

R. C. PATEL JUNIOR COLLEGE OF EDUCATION

Near Karwand Naka, Shirpur 425 405, Dist. Dhule, M. S. Tel.: 02563 - 257639