



Dr. N.G.P. ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)
(Approved by Government of Tamil Nadu & Accredited by NAAC with A++ Grade (3rd Cycle - 3.64 CGPA)
Dr. N.G.P. -KalapattiRoad, Coimbatore – 641 048, Tamil Nadu, India
Web : www.drngpasc.ac.in | Email : info@drngpasc.ac.in | Phone : +91-422-2369100

BoS

15th

MINUTES OF THE FIFTEENTH BOARD OF STUDIES MEETING

Faculty: Computer Science

Board: Computer Technology

The Meeting of Board of Studies (BoS) was held as given below:

Name of the Body	Board of Studies (BoS)
Department	Computer Technology
Meeting No.	15
Date and Time	10.06.2023 @ 10.00 a.m.
Venue	C1-305
Members Attended	The details are given in the ANNEXURE –I

AGENDA

1.	Discussion on the curriculum and syllabus for Part III – Core Courses for III Semester UG 2022-25 Batch
2.	Discussion on the syllabus for Part III- Inter Disciplinary Course (IDC) offered by B.Com. (Business Process Services) department for III Semester UG 2022-25 Batch
3.	Discussion on Part I (Tamil/Hindi/French/Malayalam) offered by Language department for III Semester UG for 2022-25 Batch
4.	Discussion on Part II (English) offered by English Department for III Semester UG for 2022-25 Batch
5.	Discussion on UG Curriculum following R5 regulations for AY 2023-24 and onwards and syllabi for Part III - Core Courses for first semester UG – 2023-26 Batch
6.	Discussion on syllabus for Part III - Inter Disciplinary Course (IDC) offered to Department of Costume Design and Fashion
7.	Discussion on syllabus for Part III - Inter Disciplinary Course (IDC) offered by Department of Mathematics
8.	Discussion on Part I (Tamil/Hindi/French/Malayalam) offered by Language department for I Semester UG for 2023-26 and onwards
9.	Discussion on Part II (English) offered by English Department for I Semester UG for 2023-26 and onwards





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10.	Discussion on Part IV (AECC) Environmental Studies for 2023-26 and onwards
11.	Discussion on credits to Part V Extension Activity for I Semester UG 2023-26 Batch and onwards
12.	Discussion on Value Added Certificate Courses (VACC) for UG 2022-25 batch and onwards
13.	Any other matters



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MINUTES OF THE FIFTEENTH BOARD OF STUDIES MEETING

Faculty: Computer Science

Board: Computer Technology

The Chairman of BoS welcomed all the Panel members to the meeting. The items listed in the agenda were taken for discussion.

The following are the minutes of the meeting:

Item-01	Discussion on the curriculum and syllabus for Part III – Core Courses for III Semester UG 2022-25 Batch
Discussion	<p>224CA1A3CA: Database Management Systems</p> <ul style="list-style-type: none"> The unified syllabus approved by Board of Studies in Computer Applications was placed for endorsement. <p>224CT1A3CP: Java Programming</p> <ul style="list-style-type: none"> The board members suggested to include program on ‘collections’ to understand useful data structures like Linked list, Stack and Queue. <p>224CS1A3CA: Operating Systems</p> <ul style="list-style-type: none"> The unified syllabus approved by Board of Studies in Computer Science was placed for endorsement. <p>224CT1A3SP: SQL Programming</p> <ul style="list-style-type: none"> The board members suggested to include programs related to subqueries, packages and exception handling.
Resolution	The Board approved the syllabi for the above courses
Item - 02	Discussion on the syllabus for Part III- Inter Disciplinary Course (IDC) offered by B.Com. (BPS) department for III Semester UG 2022-25 Batch
Discussion	<p>225BP1A3IA: Corporate Culture</p> <ul style="list-style-type: none"> The unified syllabus approved by Board of Studies in B.Com. (BPS) was placed for endorsement.
Resolution	The Board members approved the syllabus.
Item -03	Discussion on Part I (Tamil/Hindi/French/Malayalam) offered by Language department for III Semester UG for 2022-25 Batch
Discussion	<p>221TL1A3TA - Tamil-III: 221TL1A3HA - Hindi-III: 221TL1A3MA - Malayalam–III: 221TL1A3FA-French-III:</p> <ul style="list-style-type: none"> The unified syllabus approved by the Board of Studies in Languages was placed for endorsement.

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Resolution	The Board unanimously approved the syllabi
Item -04	Discussion on Part II (English) offered by English Department for III Semester UG for 2022-25 Batch
Discussion	221EL1A3EA: Professional English III <ul style="list-style-type: none">The unified syllabus approved by the Board of Studies in English was placed for endorsement.
Resolution	The Board approved the same.
Item - 05	Discussion on UG Curriculum following R5 regulations for AY 2023-24 and onwards and syllabi for Part III - Core Courses for first semester UG – 2023-26 Batch
Discussion	234AI1A1CA: Problem Solving and Programming in C <ul style="list-style-type: none">The unified syllabus approved by Board of Studies in Artificial Intelligence and Machine Learning was placed for endorsement. 234IT1A1CA: Digital Computer Fundamentals <ul style="list-style-type: none">The unified syllabus approved by Board of Studies in Information Technology was placed for endorsement. 234CT1A1CP: Programming in C <ul style="list-style-type: none">The board members approved the syllabus
Resolution	The Board approved the syllabus
Item-06	Discussion on syllabus for Part III - Inter Disciplinary Course (IDC) offered to Department of Costume Design and Fashion
Discussion	234CT1A1IA: Computers in Garment Industry <ul style="list-style-type: none">The board members approved the syllabus
Resolution	The Board unanimously approved the syllabus
Item - 07	Discussion on syllabus for Part III - Inter Disciplinary Course (IDC) offered by Department of Mathematics
Discussion	232MT1A1IC: Numerical Methods and Statistics <ul style="list-style-type: none">The unified syllabus approved by Board of Studies in Mathematics department was placed for endorsement.

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Resolution	The Board approved the same
Item -08	Discussion on Part I (Tamil/Hindi/French/Malayalam) offered by Language department for I Semester UG for 2023-26 and onwards
Discussion	231TL1A1TA: Tamil - I 231TL1A1HA: Hindi-I 231TL1A1MA: Malayalam-I 231TL1A1FA: French –I <ul style="list-style-type: none">The unified syllabus approved by the Board of Studies in Languages was placed for endorsement.
Resolution	The Board unanimously approved the syllabi
Item -09	Discussion on Part II (English) offered by English Department for I Semester UG for 2023-26 and onwards
Discussion	231EL1A1EA: English I <ul style="list-style-type: none">The unified syllabus approved by the Board of Studies in English was placed for endorsement.
Resolution	The Board approved the same.
Item -10	Discussion on Part IV (AECC) Environmental Studies for 2023-26 and onwards
Discussion	233MB1A1AA: Environmental Studies <ul style="list-style-type: none">The unified syllabus approved by the Board of Studies in Microbiology was placed for endorsement.
Resolution	The Board approved the syllabus
Item -11	Discussion on credits to Part V Extension Activity for I Semester UG 2023-26 Batch and onwards
Discussion	<ul style="list-style-type: none">Discussed on awarding one credit for participation in YRC/RCC//NSS/RRC/Yoga/Sports/Clubs
Resolution	The Board members approved the same
Item -12	Discussion on Value Added Certificate Courses (VACC) for UG 2022-25 batch and onwards
Discussion	<ul style="list-style-type: none">The board members discussed on conducting ‘Digital Marketing’ as VACC for 2022-25 and onwards
Resolution	The Board approved the syllabus
Item -13	Any other matters
Discussion	The board members discussed and recommended the Panel of Examiners
Resolution	The Board approved the same

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The Chairman of Board of Studies (BoS) thanked all the members for their active participation and providing their valuable suggestions.

Date: 12.06.2023

(Dr. M. Rathi)





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Syllabus Revision

Faculty : Computer Science

Board : Computer Technology

Semester: III

Course Code / Name: 224CT1A3CP/Java Programming

Unit	Course Content
I	Class and Methods: Object Oriented Programming - Data types, Variable, Arrays, and Constants - Operators - Control statements. Class, Members, and Methods - Class instantiation - Access modifiers - Method overloading - Constructors - Static members and methods. 1. Program to understand class, methods and objects. 2. Program to implement method overloading. 3. Program to distinguish the different types of constructors. 4. Program to demonstrate static members and methods.
II	Inheritance: Basics - Types - Super keyword - Method overriding - Abstract class - Final methods and classes - Interfaces. 5. Program to illustrate different types of inheritance. 6. Program to implement method overriding. 7. Program to demonstrate abstract class. 8. Program to defend multiple inheritance using interface.
III	Packages, Exceptions, and Strings: Java built-in packages - User defined packages - Exception handling fundamentals - Built-in exceptions - User-defined exceptions - String handling using String, StringBuffer, and StringBuilder classes. 9. Program to create user-defined package. 10. Program to implement exception handling. 11. Program to apply string handling functions.
IV	Multithreading and Collections: Thread Life Cycle - Thread Creation - Thread Priorities. Collections overview - Collection Interfaces and Classes: Stack, Queue, ArrayList, LinkedList 12. Program to demonstrate multithreading. 13. Programs to implement ArrayList. 14. Programs to implement (i) Stack (ii) Queue.
V	Swing and JDBC: MVC architecture - Basics of Swing - Difference between AWT and Swing - Swing packages - A simple swing application - Event handling - Accessing databases with Java DataBase Connectivity (JDBC) 15. Develop a Swing application to manipulate database records.

PERCENTAGE OF SYLLABUS REVISED: 100%

COURSE FOCUSES ON:

✓	Skill Development
✓	Employability
	Intellectual Property Rights
	Social Awareness/ Environment

	Entrepreneurial Development
	Innovations
	Gender Sensitization
	Constitutional Rights/ Human Values/ Ethics





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Syllabus Revision

Faculty : Computer Science

Board : Computer Technology

Semester: III

Course Code / Name: 224CT1A3SP/SQL Programming

Unit	Course Content
1	(i) Create the three tables as stated below. Table: DEPARTMENT: deptid (Primary key), deptname (Not null) Table: DESIGNATION: desid (Primary key), designation (Not null) Table: EMPLOYEE: empid (Primary key), empname (Not null), deptid (Reference key), desid (Reference key), gender, dob (Not null), doj (Not null), contactno, managerid, basicpay (Not null) (ii) Insert necessary records in the above tables.
2	Use the DML and DDL statements to (i) update the contact number of an employee. (ii) delete the record of an employee. (iii) add a 'not null' constraint to the column 'gender' in the table 'EMPLOYEE'.
3	Display the employee details (i) of the 'purchase' department. (ii) in ascending order based on the date of joining.
4	Use the grouping functions and group by clause to display, (i) the maximum salary of the employee of each department. (ii) the total salary of the employee of each department. (iii) the departments whose average salary is more than 10000.
5	Use Joins to display, (i) the empid, name, and designation of the employees. (ii) the names of the employees and their managers.
6	(i) Create a view to display the details of the employee along with designation and department details. (ii) Create a cursor to display all employee IDs and names from the EMPLOYEE table.
7	Create a function to find the sum of salaries of all employees working in a department.
8	Write a procedure to update the basic pay of all the employees.
9	Write a database trigger (i) 'before delete for each row' not allowing deletion on EMPLOYEE table and give the appropriate message. (ii) 'before insert for each row' on the table EMPLOYEE not allowing transaction on Saturday / Sunday.
10	Define an exception handling mechanism to handle any exception that occurs (i) when too many rows are fetched inside a PL/SQL block. (ii) when a PL/SQL block receives an invalid employee id.
11	Define a PL/SQL block to lock a number of records before changing the basic pay of the employee.
12	Create a package and define procedures to retrieve, insert, and update records in the employee table.

PERCENTAGE OF SYLLABUS REVISED: 100%

COURSE FOCUSES ON:

✓	Skill Development
✓	Employability
	Intellectual Property Rights
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