MINUTES OF THE FIFTEENTH BOARD OF STUDIES MEETING

Faculty: Computer Science **Board: Computer Applications**

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

Name of the Body	**Board of Studies (BoS)**
Department	**Computer Applications**
Meeting No.	**15**
Date and Time	**09.06.2023 @ 10.00a.m.**
Venue	**Hall No: C1 – Block 402**
Members Attended	**The details are given in the ANNEXURE -I**

	AGENDA
1	Discussion on curriculum and syllabi for Part III- Core Courses for III semester UG 2022-25 Batch.
2	Discussion on curriculum and syllabi for Part III- Skill Enhancement Course (SEC-I) for III semester UG 2022-25 Batch.
3	Discussion on syllabus for Part III - Inter disciplinary Course (IDC) offered by Department of Commerce with Professional Accounting.
4	Discussion on Part I (Tamil III /Hindi III /French III /Malayalam III) offered by Language department for III Semester UG for 2022-25 Batch.
5	Discussion on Part II (Professional English III) offered by English department for III Semester UG for 2022-25 Batch.
6	Discussion on syllabi following R5 Regulations for Part III - Core Courses for first semester UG - 2023-26 Batch.
7	Discussion on syllabus for Part III - Inter Disciplinary Course (IDC) offered by Department of Mathematics.

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8	Discussion on syllabus for Part III - Inter disciplinary Course (IDC) offered to Department of Hospital Administration and Management.
9	Discussion on Part I (Tamil I/Hindi I/French I/Malayalam I) offered by Language department for 2023-26 Batch.
10	Discussion on Part II (English I) offered by department of English for 2023-26 Batch.
11	Discussion on Part IV (AECC-I) Environmental Studies for 2023-26 Batch.
12	Discussion on credits for Part V Extension Activity for 2023-26 Batch.
13	Discussion on VACC for the batch 2023 – 26 and onwards.
14	Any other matters.

MINUTES OF THE FIFTEENTH BOARD OF STUDIES MEETING

Faculty:Computer Science **Board:Computer Applications**

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

The following are the minutes of the meeting:

Item-01	**Discussion on curriculum and syllabi for Part III- Core Courses for III Semester UG 2022-25 Batch.**
Discussion	**224CA1A3CA : Database Management Systems** • The unified syllabus approved by Board of Studies in Computer Applications was placed for endorsement. **224CT1A3CP : Java Programming** • The unified syllabus approved by Board of Studies in Computer Technology was placed for endorsement • Mr. VigneshKumar, Industry expert suggested to include MVC Frameworks in Unit V theory. **224CS1A3CA : Operating Systems** • The unified syllabus approved by Board of Studies in Computer Science was placed for endorsement.
Resolution	The Board approved the syllabi for the above courses
Item – 02	**Discussion on curriculum and syllabi for Part III- Skill Enhancement Course (SEC-I) for III semester UG 2022-25 Batch.**
Discussion	**224CA1A3SP : SQL Programming** Dr T.Amudha suggested to include views and sub queries
Resolution	The Board approved the syllabus
Item – 03	**Discussion on syllabus for Part III - Inter disciplinary Course (IDC) offered by Department of Commerce with Professional Accounting.**
Discussion	**225PA1A3IA : Business Accounting** • The unified syllabus approved by Board of Studies in Commerce with Professional Accounting was placed for endorsement.

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Resolution	The Board approved the syllabus
Item -04	**Discussion on Part I (Tamil III /Hindi III /French III /Malayalam III) offered by Language department for III Semester UG for 2022-25 Batch.**
Discussion	**221TL1A3TA : Tamil-III** • The unified syllabus approved by the Board of Studies in Languages was placed for endorsement. **221TL1A3HA : Hindi-III** • The unified syllabus approved by the Board of Studies in Languages was placed for endorsement. **221TL1A3FA : French-III** • The unified syllabus approved by the Board of Studies in Languages was placed for endorsement. **221TL1A3MA : Malayalam – III** • The unified syllabus approved by the Board of Studies in Languages was placed for endorsement.
Resolution	The Board unanimously approved the syllabi
Item -05	**Discussion on Part II (Professional English III) offered by English department for III Semester UG for 2022-25 Batch.**
Discussion	**221EL1A3EA : Professional English III** • The unified syllabus approved by the Board of Studies in English was placed for endorsement.
Resolution	The Board approved the same.
Item-06	**Discussion on syllabi following R5 Regulations for Part III - Core Courses for first semester UG 2023-26 Batch.**
Discussion	**234AI1A1CA : Problem Solving and Programming in C** • The unified syllabus approved by Board of Studies in Artificial Intelligence and Machine Learning was placed for endorsement. **234IT1A1CA : Digital Computer Fundamentals** • The unified syllabus approved by Board of Studies in Information Technology was placed for endorsement. **234CA1A1CP : C Programming** • The unified syllabus approved by Board of Studies in Computer Applications was placed for endorsement.
Resolution	The Board approved the syllabus

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Item – 07	**Discussion on syllabus for Part III - Inter Disciplinary Course (IDC) offered by Department of Mathematics.**
Discussion	**232MT1A1IC : Numerical Methods and Statistics** • The unified syllabus approved by Board of Studies in Mathematics was placed for endorsement.
Resolution	The Board unanimously approved the same
Item -08	**Discussion on syllabus for Part III - Inter disciplinary Course (IDC) offered to Department of Hospital Administration and Management.**
Discussion	**236HA2AIDC: Technology in Health Care** • The unified syllabus approved by the Board of Studies in Computer Applications was placed for endorsement.
Resolution	The Board unanimously approved the syllabus
Item-09	**Discussion on Part I ((Tamil I/Hindi I/French I/Malayalam I) offered by Language department for 2023-26 Batch.**
Discussion	**231TL1A1TA/ 231TL1A1HA /231TL1A1FA /231TL1A1MA: Part I:Tamil-I / Hindi-I /French-I / Malayalam – I** • The unified syllabi approved by the Board of Studies in Languages were placed for endorsement.
Resolution	The Board unanimously approved the same
Item -10	**Discussion on Part II (English I) offered by department of English for 2023-26 Batch.**
Discussion	**231EL1A1EA: English I** • The unified syllabus approved by the Board of Studies in English was placed for endorsement.
Resolution	The Board unanimously approved the syllabus
Item -11	**Discussion on Part IV (AECC) Environmental Studies for 2023-26 Batch.**
Discussion	**233MB1A1AA: Environmental Studies** • The unified syllabus approved by the Board of Studies in Microbiology was placed for endorsement.
Resolution	The Board approved the syllabus

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Item -12	**Discussion on credits for Part V Extension Activity for 2023-26 Batch.**
Discussion	One credit to be awarded for participation in YRC/RCC//NSS/ RRC/Yoga/Sports/Clubs
Resolution	The Board members accepted the same
Item -13	**Discussion on VACC for the batch 2022–25 Batch and onwards.**
Discussion	Syllabus of VACC on Web 3.0 Technologies was discussed
Resolution	The Board approved the same
Item -14	**Any other matters**
Discussion	The board members discussed and recommended the Panel of Examiners
Resolution	The Board approved the same

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

Date: 09.6.2023

9/6/23

(Dr.R. Kousalya)

BoS Chairman/HoD
Department of Computer Applications
Dr. N. G. P. Arts and Science College
Coimbatore – 641 048

Syllabus Revision

Faculty: Computer Science **Board: Computer Applications**

Semester: III

Course Code / Name: 224CA1A3CA – Database Management Systems

Unit	Course Content
I	**Database Concepts and Normalization :** Database Concepts: A Relational approach: Database – Relationships – DBMS –Relational Data Model – Integrity Rules – Theoretical Relational Languages. Database Design: Data Modeling and Normalization: Data Modeling – Dependency – Database Design – Normal forms – Dependency Diagrams – De normalization –Another Example of Normalization.
II	**Structured Query Language** : Oracle9i: An introduction – SQL* plus Environment - Structured Query Language (SQL). Oracle Tables (DDL): Naming Rules and conventions – Data Types – Constraints – Creating Oracle Table – Displaying Table Information – Altering an Existing Table – Dropping, Renaming, Truncating Table – Table Types – Spooling – Error codes.
III	**Working with Tables** : Data Management and Retrieval: DML – adding a new Row/Record – Customized Prompts – Updating and Deleting an Existing Rows/Records – retrieving Data from Table – Arithmetic Operations – restricting Data with a WHERE clause – Sorting – Revisiting Substitution Variables – DEFINE command – CASE structure. Functions and Grouping: Built-in functions –Grouping Data. Multiple Tables: Joins and Set operations: Join – Set operations.
IV	**Fundamentals of PL/SQL** : PL/SQL: History – Fundamentals – Block Structure – Comments – Data Types –Other Data Types – Declaration – Assignment operation – Bind variables – Substitution Variables – Printing – Arithmetic Operators. Control Structures and Embedded SQL: Control Structures – Nested Blocks – SQL in PL/SQL – Data Manipulation – Transaction Control statements. PL/SQL Cursors and Exceptions: Cursors – Implicit & Explicit Cursors and Attributes – Cursor FOR loops – SELECT…FOR UPDATE – WHERE CURRENT OF clause – Exceptions – Types of Exceptions.
V	**PL/SQL Composite Data Types and Named Blocks** : PL/SQL Composite Data Types: PL/SQL Records – PL/SQL Tables – PL/SQL Varrays. Named Blocks: Procedures – Functions – Packages –Triggers.

PERCENTAGE OF SYLLABUS REVISED : 30%

COURSE FOCUSES ON:

✓	Skill Development	✓	Entrepreneurial Development
✓	Employability	✓	Innovations
	Intellectual Property Rights		Gender Sensitization
	Social Awareness/ Environment		Constitutional Rights/ Human Values/ Ethics

Syllabus Revision – New Courses

Faculty: Computer Science **Board: Computer Applications**

Course Code / Name: 224CA1A3SP - SQL PROGRAMMING **Semester: III**

P. No	Lists of Experiments
1	Program to create DDL commands in SQL.
2	Program to create DML commands in SQL.
3	Program to create a Employee table and perform the following SQL Queries Viewing all databases, creating a Database, viewing all Tables in a Database, Creating Tables (With and Without Constraints), Inserting/Updating/Deleting Records in a Table, Saving (Commit) and Undoing (rollback)
4	Program to perform different types of functions in SQL • Number function • Aggregate Function • Character Function • Conversion Function • Date Function
5	Program to create different types of operators in SQL • Arithmetic Operators • Logical Operators • Comparison Operator • Special Operator • Set Operation
6	Program to write a query for Sorting.
7	Program to Perform Join Operations on SQL Tables.

8	Program to Demonstrate SQL Sub Queries on Tables.
9	Program to create a View for a table in SQL.
10	Program to create Students Information table in PL/SQL to find the total, average marks and results of each student.
11	Program to demonstrate PL/SQL to show the uses of implicit cursor without using any attribute.
12	Program to implement PL/SQL to show the uses of explicit cursor without using any attribute.
13	Program to design a PL/SQL to prepare the Electricity Bill using Array.
14	Program to create a Trigger and perform the following Queries (Creation of insert trigger, delete trigger, update trigger).
15	Program to implement the concept of Packages using Procedure and Function.

PERCENTAGE OF SYLLABUS REVISED: 100%

COURSE FOCUS ON:

✓	Skill Development	✓	Entrepreneurial Development
✓	Employability	✓	Innovations
	Intellectual Property Rights		Gender Sensitization
	Social Awareness/ Environment		Constitutional Rights/ Human Values/ Ethics

ATTENDANCE OF THE FIFTEENTH BOARD OF STUDIES MEETING

Faculty: Computer Science **Board : Computer Applications**

Date : 09.06.2023

Time: 10.00 a.m. Venue : C1 - 402

The following members were present for the meeting

S.No	Name	Designation	Signature
1.	**Dr.R.Kousalya** Head/ Professor Department of Computer Applications Dr.N.G.P Arts and Science College Coimbatore - 48.	Chairman	9/6/23
2.	**Dr.T.Amutha** Professor Department of Computer Applications Bharathiar University Coimbatore-641046.	VC Nominee	9/06/23
3.	**Dr.B.Kalpana,** Professor, Department of Computer Science School of Physical Sciences and Computational Sciences Avinashilingam Institute for Home Science and Higher Education for Women Coimbatore- 641043.	Subject Expert	9/6/23
4.	**Mr.Vignesh Kumar** Senior Software Engineer Bosch Global Software Technologies Coimbatore.	Industry Expert	9/6/23
5.	**Mr.S.Eswaran** Implementation Consultant in Aosta Control-m Scheduler and Administration Coimbatore.	Alumni Expert	Absent

6.	**Dr. K. Vanaja** Professor & Head Department of Commerce (PA) Dr.N.G.P. Arts and Science College	Co-opted member	
7.	**Dr.C.Kumuthini** Professor Department of Computer Applications Dr.N.G.P. Arts and Science College	Internal Member	
8.	**Dr D.DeviAruna** Associate Professor Department of Computer Applications Dr.N.G.P. Arts and Science College	Internal Member	
9.	**Mrs.K. Gomathy** Assistant Professor (SG) Department of Computer Applications Dr.N.G.P. Arts and Science College	Internal Member	
10.	**Mr P.Dinesh Kumar** Assistant Professor (SG) Department of Computer Applications Dr.N.G.P. Arts and Science College	Internal Member	
11.	**Dr B.Ramya** Assistant Professor Department of Computer Applications Dr.N.G.P. Arts and Science College	Internal Member	
12.	**Mr.S.PooranaSenthilkumar** Assistant Professor Department of Computer Applications Dr.N.G.P. Arts and Science College	Internal Member	
13.	**Dr K.Kavitha** Assistant Professor Department of Computer Applications Dr.N.G.P. Arts and Science College	Internal Member	
14.	**Mr V.Yuvaraj** Assistant Professor Department of Computer Applications Dr.N.G.P. Arts and Science College	Internal Member	

15.	**R.Raghul** III BCA Department of Computer Applications Dr.N.G.P. Arts and Science College	Student Representative	9/6/23
16.	**S. Angel Christenal** III BCA Department of Computer Applications Dr.N.G.P. Arts and Science College	Student Representative	ABSENT

9/6/23

BoS Chairman/HoD
Department of Computer Applications
Dr. N. G. P. Arts and Science College
Coimbatore – 641 048