	Dr. N.G.P. ARTS AND SCIENCE COLLEGE (An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore) Approved by Government of Tamil Nadu and Accredited by NAAC A++ Grade (3 rd Cycle- 3.64 CGPA) Dr. N.G.P.-Kalapatti Road, Coimbatore-641048, Tamil Nadu, India Web: www.dnmgpsc.ac.in Email: jnfo@dnmgpsc.ac.in Phone: +91-422-2369100	BoS
		16 th

Board of Studies Meeting

Department of Information Technology

The minutes of the 16th meeting of Board of Studies held on 16.10.2023 at 11.00 am at the department (C1-201).

Members Present:

S.No.	Name	Category
1	Dr. A.Adhiselvan, Professor and HoD i/c	Chairman
2	Dr.R.Vadivel, Associate Professor, Department of IT, Bharathiar University, Coimbatore	University Nominee
3	Dr. Prashant R. Nair, Associate Professor Department of CSE, Amrita Vishwa Vidyapeetham, Coimbatore	Subject Expert
4	Mr.R.J. Senthil Kumar, Founder-Director, Sprout Solutions private Limited, Coimbatore	Industrial Expert
5	Mr.K.Karthik, Project Lead, KGISL, Coimbatore	Meritorious Alumni
6	Dr. N.Kuppuchamy, Associate Professor and Head, Department of Tamil	Co-opted Member
7	Dr.R.Vidhya prabha, Professor and Head, Department of English	Co-opted Member
8	Dr.R.Sowrirajan, Assistant Professor and Head, Department of Mathematics	Co-opted Member
9	Dr. K.Santhi, Professor	Member
10	Dr.J.Savitha, Professor	Member
11	Dr.K.Thenmozhi, Professor	Member
12	Mrs.P.Menaka, Assistant Professor (SG)	Member
13	Mr.B.M.Rajesh, Assistant Professor	Member
14	Dr.B.Sivaranjani, Associate Professor	Member
15	Dr.R.Praba, Associate Professor	Member
16	Mr.M.Sedhuvignesh, III B.Sc IT 'B'	Student Representative

The HoD and Chairman of the department of Information Technology welcomed and introduced all the members and appreciated them for their continuous support, contribution for the development of academic standard and enrichment of the syllabus.

Further Chairman informed the inability of the following member to attend the meeting and requested to grant leave of absence.

1. Dr.T.S. Pradeep Kumar, Professor, VIT, Chennai

The items of the agenda were taken one by one for discussion and the following resolutions were passed.

Item 16.1

To review and approve the minutes of the previous meeting held on 06.12.2022.

The chairman of the Board presented the minutes of the previous meeting held on 06.12.2022 and requested the members to approve. After brief discussion the following resolution was passed

Resolution:

Resolved to approve the minutes of the previous meeting held on 06.12.2022

Item 16.1(a): To consider and approve the syllabi for II semester for the students admitted during the academic year 2023-2024.

The chairman presented the detailed scheme and syllabus for the II semester for the students admitted from the academic year 2023-2024 onwards. The details of changes made also presented as follows.

Changes Made:

Course	Code	Reason
Data Structures and C++	234IT1A2CP	Equal weightage is given for C++ programming and Data structure concept

New Courses Introduced: Nil

Courses Removed: NIL

Course	Code	Reason
-	-	-

IDC Offered

Course	Code	Department
COMPUTER APPLICATION IN CLINICAL LABORATORY	234IT1A2EP	CLINICAL LABORATORY TECHNOLOGY

After discussion the following resolution was passed with the above changes and modifications.

Resolution:

Resolved to approve the syllabus for the II semester for the students admitted from the academic year 2023-24 onwards,

Item 16.1(b): To consider and approve the changes, if any, in the syllabi for IV semester for the

students admitted during the academic year 2022-2023.

The Chairman presented the detailed syllabus for the IV semester for the students admitted from the academic year 2022-2023. The details of changes made also presented as follows.

Changes Made:

Course	Code	Reason
Computer Networks	224CT1A4CA	This course is revised from Data Communication and Networks to know the fundamental concepts of network.
PHP Programming	224IT1A4SP	This course is revised form PHP and MySQL course to emphasize on applications development.

New Courses Introduced:

Course	Code	Reason
Software Engineering	224IT1A4CA	To understand the fundamental concepts of software engineering. To enable the students to focus on software engineering based elective courses
Python Programming	224CA1A4EP	It is embedded course which comprise theory and practical aspects. It helps the students to understand fundamental of programming and to handle data analytics problems.

Courses Removed: NIL

Course	Code	Reason
-	-	-

IDC Offered : NIL

Course	Code	Department
-	-	-

After discussion the following resolution was passed with the above changes and modifications.

Resolution:

Resolved to approve the syllabus for the IV semester for the students admitted from the academic year 2022-23 onwards,

Item 16.2: To approve the panel of examiners for question paper setting and evaluation of answer scripts for the even semester of the academic year 2023-2024.

The Chairman presented the panel of examiners for question paper setting and evaluation of answer scripts for the even semester of the academic year 2023-2024.

Resolution:

Resolved to approve the panel of examiners for question paper setting and evaluation of answer scripts for the even semester of the academic year 2023-2024.

Item 16.3: To consider and approve any other item brought forward by the Chairman and the members of the board.

No other item was brought forward.

Finally, the Chairman thanked all the members for their cooperation and contribution in enriching the syllabus with active participation in the meeting and sought the same spirit in the future also. The meeting was closed with formal vote of thanks proposed by Mrs. P. Menaka, Assistant Professor (SG).

16.10.2023


Dr. A. Adhiselvam

BoS Chairman/HOD
Department of Information Technology
Dr. M.G.P. Arts And Science College
Coimbatore - 641 048

Syllabus Revision – New Course

Faculty: Computer Science

Board: Information Technology

Semester: IV

Course Code / Name: 224IT1A4CA / Software Engineering

Unit	Course Content
I	INTRODUCTION TO SOFTWARE ENGINEERING Nature of Software: Defining Software-Software Application Domains-Legacy Software-The changing nature of Software: Web Apps-Mobile Applications-Cloud Computing-Product Line Software-Software Process: Process Framework-Umbrella Activities-Process Adaptation- Software Engineering Practice: Essence of practice-General Principles.
II	SOFTWARE PROCESS Perspective model-Waterfall Model-Incremental Process model: The increment model-The RAD model-Evolutionary process model: Prototyping-The Spiral model-The concurrent development model. An agile view of Process: Agility- Agile Process-Agile Process Models: Extreme Programming- Adaptive Software Development-Scrum-Agile modelling
III	UNDERSTANDING REQUIREMENTS Requirements Engineering-Establishing the groundwork- Eliciting the requirements-Developing Use Cases-Building the analysis model-Negotiating Requirements-Requirement Monitoring-Validating Requirements-Avoiding common mistakes.
IV	DESIGN CONCEPTS Design concepts: Abstraction-Architecture-Patterns-Modularity-Information Hiding-Functional Independence-Refinement-Aspects-Refactoring-Object Oriented Design Concepts-Design Classes-Design Model-Architectural Design.
V	SOFTWARE TESTING A strategic Approach of Software Testing – Strategic Issues- Unit Testing- Integration testing- Validation testing- Validation-Test Criteria-Alpha and Beta testing -System Testing-Recovery Testing-Security Testing-Stress testing- Performance Testing-Deployment testing-The art of debugging – An Overview of Software Testing Tools.

PERCENTAGE OF SYLLABUS REVISED: 100 %

COURSE FOCUSES ON:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Skill Development | <input type="checkbox"/> Entrepreneurial Development |
| <input checked="" type="checkbox"/> Employability | <input type="checkbox"/> Innovations |
| <input type="checkbox"/> Intellectual Property Rights | <input type="checkbox"/> Gender Sensitization |
| <input type="checkbox"/> Social Awareness/ Environment | <input type="checkbox"/> Constitutional Rights/ Human Values/ Ethics |

Syllabus Revision

Faculty: Computer Science

Board: Information Technology

Course Code / Name: 224IT1A4SP: PHP Programming

Semester: IV

S.No	Existing	Changes
1	HTML formatted Email in PHP.	Program to implement arithmetic operations that takes two numbers and an operator (+, -, *, /) as input and produce the results.
2	Types of Sorting in PHP.	Program to generate and displays the Fibonacci sequence up to a specified number of terms.
3	String Manipulation in PHP	Program to implement sorting in ascending order.
4	Color code with name.	Program to count number of words in a given sentence
5	Calculator functions	Implement a login system in PHP where users can log in with a username and password.
6	Upload a file.	Design a scientific calculator using PHP
7	Login authentication	Develop a basic PHP-based quiz application that presents multiple-choice questions to users and provides instant feedback on their answers.
8	Application with DML Queries	Build a simple PHP application that performs CRUD (Create, Read, Update, Delete) operations on a predefined dataset.
9	Communication between webpage and web server.	Design a webpage for Student Profile
10	Online Job portal	Develop a user registration form that allows users to create an account with a unique username and password and it stores the user information in a MySQL database.
11	Smart city information system.	Develop a simple product inventory management system that allows users to add, view and delete products. Store the product information, such as name, description, and quantity in MySQL database
12	Student result portal.	Build a system that calculate student grades and overall GPA in a MySQL database

PERCENTAGE OF SYLLABUS REVISED: 66.6%

COURSE FOCUS ON:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Skill Development | <input type="checkbox"/> Entrepreneurial Development |
| <input checked="" type="checkbox"/> Employability | <input type="checkbox"/> Innovations |
| <input type="checkbox"/> Intellectual Property Rights | <input type="checkbox"/> Gender Sensitization |
| <input type="checkbox"/> Social Awareness/ Environment | <input type="checkbox"/> Constitutional Rights/ Human Values/ Ethics |



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ATTENDANCE OF THE SIXTEENTH BOARD OF STUDIES MEETING

Faculty: Faculty of Computer Science


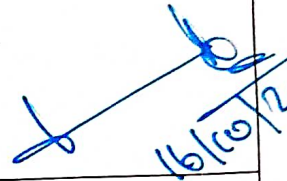

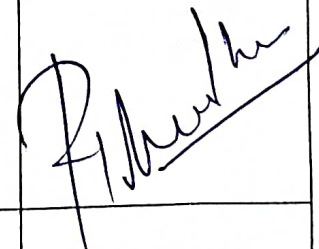
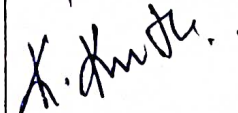
Board: Information Technology

VENUE : C-201

DATE : 16.10.2023

TIME : 11.00 AM

The following members were present for the Board of Studies Meeting

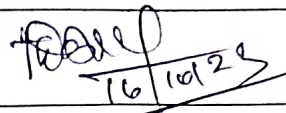
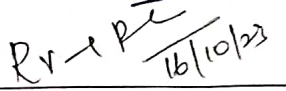

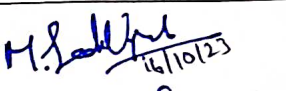

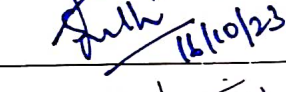
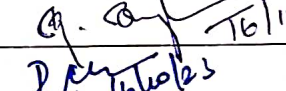
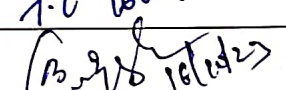
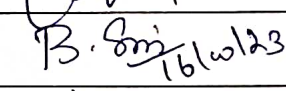
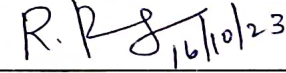
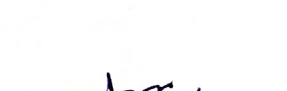
S.NO.	NAME	DESIGNATION	SIGNATURE
1.	Dr.A.Adhiselvam Professor & Head (i/c) Department of Information Technology Dr.N.G.P. Arts and Science College Coimbatore-641048	Chairman	 16/10/23
2.	Dr. R. Vadivel Associate Professor Department of Information Technology Bharathiar University Coimbatore - 641 046.	Member (Subject Expert) (Nominated by Vice Chancellor)	 16/10/2023
3.	Dr. Prashant R. Nair Associate Professor Computer Science Engineering School of Engineering Amrita Vishwa Vidyapeetham Amritanagar, Ettimadai Coimbatore-641 112.	Member (Subject Expert) (Nominated by Academic Council)	
4.	Dr.T.S. PradeepKumar Professor School of Computing Science and Engineering Vellore Institute of Technology Vandalur Kelambakkam Road, Chennai 600 048.	Member (Subject Expert) (Nominated by Academic Council)	- ABSENT -
5.	Mr.R. J. Senthil Kumar Founder Director – Sprout Solutions Private Limited 14, Light House Road R.S. Puram, Coimbatore -641 001.	Member (Industrial expert)	
6.	Mr.K.Karthik Project Lead KGISL Saravanampatti, Coimbatore-641 035	Alumni	





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S.NO.	NAME	DESIGNATION	SIGNATURE
7	Dr. N. Kuppuchamy Professor & Head	Co-opted Member (Tamil)	 16/10/23
8	Dr. R. Vithya Prabha Professor & Head	Co-opted Member (English)	 16/10/23
9	Dr. R. Sowrirajan Assistant Professor & Head	Co-opted Member (Mathematics)	 16/10/23
10	Mr. M. Sedhuvignesh III B.Sc. IT	Student Representative	 16/10/23
11	Dr.K.Santhi Professor	Member	 16/10/23
12	Dr.J.Savitha Professor	Member	 16/10/23
13	Dr.K.Themmozhi Professor	Member	 16/10/23
14	Mrs.P.Menaka Assistant Professor(SG)	Member	 16/10/23
15	Mr.B.M.Rajesh Assistant Professor	Member	 16/10/23
16	Dr.B.Sivaranjani Associate Professor	Member	 16/10/23
17	Dr.R.Praba Associate Professor	Member	 16/10/23

Date : 16.10.2023


(Dr. A. Adhiselvam)



BoS Chairman/HOD
Department of Information Technology
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