



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 (3rd Cycle- 3.64 CGPA)
Dr. N.G.P.-Kalapatti Road, Coimbatore-641048, Tamil Nadu, India
Web: www.drngpasc.ac.in | Email: info@drngpasc.ac.in | Phone: +91-422-2369100

BoS

17th

Board of Studies Meeting

Department of Computer Technology

The minutes of the 17th meeting of Board of Studies held on 3.4.24 at 10.00 am at Kambar Arangam.

Members Present:

S.No.	Name	Category
1.	Dr. M. Rathi	Chairman
2.	Dr. P.B. Pankajavalli, Assistant Professor Department of Computer Science Bharathiar University	University Nominee
3.	Dr. V. Radha, Professor, Department of Computer Science, Avinashilingam Institute for Home Science and Higher Education for Women	Subject Expert
4.	Dr. L. Dhanabal, Associate Professor, Department of MCA Kumaraguru College of Technology	Subject Expert
5.	Mr. R. Gopinath, Software Engineer Tech Mahindra, TidelPark, Coimbatore	Industrial Expert
6.	Mrs. M. Reshma Senior Software Testing Engineer Wipro Technologies, Tidel Park, Coimbatore.	Alumni
7.	Dr. R. S. Padmapriya	Member
8.	Dr. T. R. Anand	Member
9.	Dr. V. Manimekalai	Member
10.	Dr. B. Leelavathi	Member
11.	Dr. M. Aruna	Member
12.	Mrs. I. Ajitha	Member
13.	Mr. R. Vijay Anand	Member
14.	Dr. N. Kuppuchamy	Co-opted Member
15.	Dr. A. Hazel Verbina	Co-opted Member
16.	Dr. R. Sowrirajan	Co-opted Member
17.	Ms. M. Madhushree - III B.Sc. CT	Student Representative

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

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

1. Dr. V. Radha – Subject Expert
2. Mrs. I. Ajitha – Member

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

Item 17.1

To review and approve the minutes of the previous meeting held on 17.10.2023.

The chairman of the Board presented the minutes of the previous meeting held on 17.10.2023 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 17.10.2023.

Item 17.2:

To review and approve the Scheme, Regulations and Syllabi for the I Semester for the students admitted during the academic year 2024-2025.

The chairman presented the detailed Scheme and Regulation for the students admitted from the academic year 2024-25 onwards and syllabi for the I semester. The members deliberated in detail about the modification required. After discussion it is unanimously decided to adopt the following changes in the scheme.

Changes Made: Nil

Course Code	Course	Changes & Reason

New Courses Introduced:

Course Code	Course	Changes & Reason
24CTU6CA	Network Programming	To furnish understanding in building secure applications, diagnosing and troubleshooting network related issues, this course is introduced as suggested by Dr. L. Dhanabal, Subject Expert.

Courses Removed:

Course Code	Course	Changes & Reason
234CT1A6CA	R for Analytics	R was offered as Theory and Practical. As per the suggestion of Dr. P.B. Pankajavalli, University Nominee, it is included only as Skill Enhancement Practical.

IDC Offered :

Course Code	Course	Department
24CTU1IA	Computers in Garment Industry	B.Sc. Costume Design and Fashion

After discussion the following resolution was passed.

Resolution:

Resolved to approve the above modification and adopt the revised scheme and retain the existing I semester syllabus of 2023-24 batch for students admitted for the academic year 2024-2025.

Item 17.3:

To review and approve the syllabi for the III Semester for the students admitted during the academic year 2023-2024.

The Chairman presented the detailed syllabi for the III semester to the students admitted for the academic year 2023-2024. The members deliberated in detail and unanimously decided to adopt the existing syllabi of 2022-23 batch without any changes.

Resolution:

Resolved to approve the scheme and syllabi for the III semester for the students admitted in UG during the academic year 2023-24.

Item 17.4

To review and approve scheme, regulation and syllabus for the V Semester for the students admitted during the academic year 2022-23.

The Chairman presented the detailed scheme, regulation and syllabus for the V semester for the students admitted during the academic year 2022-2023. As per the requirement of the current scenario new courses are introduced. The details of changes made are also presented as follows.

Changes Made:

Course Code	Course	Changes & Reason
224CT1A5CA	Software Engineering and Testing	Testing methodologies for web applications is included in Unit IV as suggested by Mrs. M. Reshma, Alumni.

New Courses Introduced: Nil

Course Code	Course	Changes & Reason

Courses Removed: Nil

Course Code	Course	Changes & Reason

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

Resolution:

Resolved to approve the scheme, regulation and syllabus for the V semester for the students admitted in UG during the academic year 2022-2023.

Item 17.5

To review and approve the Diploma, Certificate, Skill oriented courses to be offered during the academic year 2024-25.

The chairman presented the detailed scheme and syllabus for the Diploma in Cyber Security course to be offered during the academic year 2024-25.

Resolution:

Resolved to approve the Diploma course syllabus without any changes.

Item 17.6

To approve the panel of examiners for question paper setting and evaluation of answer scripts for the odd semester during the academic year 2024-2025.

The Chairman presented the panel of examiners for question paper setting and evaluation of answer scripts for the odd semester of the academic year 2024-25.

Resolution:

Resolved to approve the panel of examiners for question paper setting and evaluation of answer scripts for the odd semester of the academic year 2024-25.

Item 17.7 Any other Item.

Item 17.7 (a) *To consider and approve the Generic Elective Syllabus for the V Semester for the students admitted during the academic year 2022-2023.*

New Courses Introduced:

Course Code	Course	Changes & Reason
224CT1A5GA	Web Development Essentials	To provide insights into web development skills that facilitate adaptation to evolving trends and advancements in the digital world

Courses Removed

Course Code	Course	Changes & Reason
194CT1A4GA	Internet Technologies	To learn the course based on industry requirement

Resolution:

Resolved to approve the Generic Elective syllabus without any changes.

Item 17.7 (b)

To consider and approve the Value-Added Certificate Courses (VACC) for UG 2023-26 batch

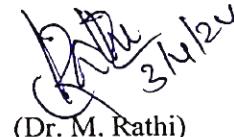
The board members discussed and approved in conducting software testing tool ‘Selenium’ as VACC for III Semester students during the academic year 2024-25

Resolution:

Resolved to approve the VACC course for III Semester students during the academic year 2024-25.

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 Dr. M. Aruna, Assistant Professor of Computer Technology.

Date: 3.4.2024



3/4/24

(Dr. M. Rathi)

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

Syllabus Revision

Faculty: Computer Science

Programme: Computer Technology

Course Code/ Name: 224CT1A5CA – Software Engineering and Testing

Board: Computer Technology

Semester: V

Unit	Existing	Changes
1.	<p>Software Engineering: Introduction - Components of Software - Role of Software - Phases of Software- Characteristics of Software - Changing nature of Software - Software Myths - Generic view of Software Engineering - Role of Management Software Engineering - Software Process - Process Models - Software Product.</p> <p>Requirements Engineering: Principles: Requirements Engineering - Importance of requirements - Types of requirements - Steps involved. Modeling: Analysis modeling - Structured analysis - Object Oriented analysis</p>	
2.	<p>Design and Architectural Engineering: Design process and concepts - Basic issues in Software Design - Characteristics of a good design - Software Design and Software Engineering - Function-Oriented System vs Object-Oriented System - Modularity, Cohesion, Coupling, Layering.</p> <p>User Interface Design: Concepts - Elements - Designing the User Interface.</p>	
3.	<p>Software Coding: Programming Principles - Programming Guidelines - Coding Conventions - Key Concepts.</p> <p>Software Metrics and Estimation: Introduction - Measurement - Metrics - Lines of Code - Function Point Count. Software Estimation: Definition - Importance of Accurate Estimation - Efforts and Duration - Estimation Process.</p>	
4.	<p>Software Testing: Introduction - Scope - Objectives - Strategic Approach to Software Testing - Types of Software Testing.</p> <p>Software Testing Plan and Test Case Preparation: Introduction - Test Plan - Test Case.</p> <p>Test Automation: Expectations from Test Automation - Limitations - Automation Strategy - Automation Frameworks - Automation Metrics.</p>	<p>Software Testing: A Strategic Approach to Software Testing - Strategic Issues - Test Strategies for Conventional Software - Validation Testing - System Testing.</p> <p>Testing Conventional Applications: White-Box Testing - Basis Path Testing - Control Structure Testing - Black-Box Testing.</p> <p>Testing Web Applications: Testing Concepts for WebApps - The Testing Process - Content Testing - User Interface Testing - Component-Level Testing - Configuration Testing - Security Testing - Performance Testing</p>
5.	<p>Software Maintenance: Introduction - Maintenance Activities - Maintenance Process - Maintenance Cost - Maintenance Strategies.</p> <p>Agile Software Development: Introduction - Various Characteristics of Agile Projects - Agile manifesto - Generic Agile Project Life Cycle - Agile-related Concepts - Epics, Features, User Stories.</p>	

PERCENTAGE OF SYLLABUS REVISED: 26 %

COURSE FOCUSES ON:

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

Faculty: Computer Science

Programme: Computer Technology

Course Code/ Name: 224CT1A5SP – Android Application Development

Board: Computer Technology

Semester: V

Ex. No	Existing	Changes
1.	Program to create a simple android application.	Design a mobile app UI to upload a resume. Use appropriate views and view groups to read the inputs.
2.	Program to demonstrate toast in an application	Design a login UI on (i) relative layout (ii) table layout (iii) constraint layout.
3.	Program to implement option menu	Create a mobile application using ListView to display the countries along with its flag.
4.	Program to create a simple implicit intent that displays a webpage.	Create an image gallery app using GridView.
5.	Program to create a relative layout and linear layout in android.	Create an app implementing fragment.
6.	Program to display web page using webview in android.	Create an app to show the progress of a process implementing progress bar.
7.	Program to demonstrate spinner control in android	Create an app implementing (i) option menu (ii) context menu (iii) pop-up menu
8.	Program to create an animation in android	Create a mobile app implementing implicit and explicit intents.
9.	Program to demonstrate seek bar	Create animation effects on a mobile app.
10.	Program to play audio in android	Create an app to play video.
11.	Program to develop a personal database using SQLite	Develop a personal database using SQLite to store and access the job seeker's data.
12.	Program to develop a personal database using JSON parsing	Display the data of student using JSON parsing.
13.		Mini project.

PERCENTAGE OF SYLLABUS REVISED: 75%

COURSE FOCUSES ON:

<input checked="" type="checkbox"/>	Skill Development	<input checked="" type="checkbox"/>	Entrepreneurial Development
<input checked="" type="checkbox"/>	Employability	<input checked="" 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

Programme: Costume Design and Fashion

Course Code/ Name: 24CTU1IA – Computers in Garment Industry

Board: Computer Technology

Semester: I

Unit	Existing	Changes
1.	Computer Fundamentals: Introduction - Computer Components - Computer Memory - Operating System - Computer Networks - Databases – Types of programming languages – Open source software - Fiber technology – Spinning - Weaving – Knitting - Coloration technology - Textile testing	
2.	Computers in Fashion Industry: Role of computers in fashion industry – Information flow – CAD, CAM, CIM, CAA, PDC – Definition and functions. Computers in production planning - Computers in production scheduling - Computerized color matching system	
3.	Computers in Creating Fabric and Garment Designs: CAD in creating designs – Advantages - Computerized weaving - Knitting and printing - Creating Computerized embroidery machines - Garment designing with CAD – 2D and 3D forms	
4.	Body Measurements, Pattern Making and Grading: 3D Body scanning systems - Made to measure systems - CAD in pattern making and grading – System Description – Information Flow - Process involved in pattern making - Process involved in pattern grading	
5.	Computers in the Garment Manufacturing: Computer application in fabric defect checking, laying / spreading, cutting marker planning, Labelling – Parts and functions - Computerized sewing machines	Introduction to AI and Textile Industry: Definition-Textile Industry 4.0 – AI in Textile Industry: Applications of AI – Benefits of AI – Challenges and Limitations – AI powered solutions for Textile Industry.

PERCENTAGE OF SYLLABUS REVISED: 17.5 %

COURSE FOCUSES ON:

<input checked="" type="checkbox"/>	Skill Development	<input checked="" type="checkbox"/>	Entrepreneurial Development
<input checked="" type="checkbox"/>	Employability	<input checked="" 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



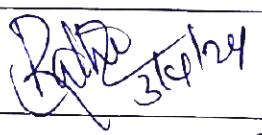
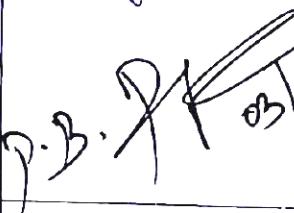
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ATTENDANCE OF THE SEVENTEENTH BOARD OF STUDIES MEETING

Faculty: Computer Science**Board: Computer Technology****VENUE** : Kambar Arangam**DATE** : 3.4.2024**TIME** : 10:00 a.m.

The following members were present for the Board of Studies meeting

S.NO.	NAME	DESIGNATION	SIGNATURE
1.	Dr. M. Rathi Associate Professor and Head	Chairman	 31/4/2024
2.	Dr. P. B. Pankajavalli Assistant Professor Department of Computer Science Bharathiar University, Coimbatore-46	Member (Subject Expert) (Nominated by Vice Chancellor)	 P.B. Pankajavalli 31/4/2024
3.	Dr. V. Radha Professor, Department of Computer Science School of Physical Sciences and Computational Sciences Avinashilingam Institute for Home Science and Higher Education for Women Coimbatore- 641043	Member (Subject Expert) (Nominated by Academic Council)	- ABSENT -
4.	Dr. L. Dhanabal Associate Professor, Department of MCA Kumaraguru College of Technology Athipalayam Rd, Chinnavedampatti Coimbatore- 641049	Member (Subject Expert) (Nominated by Academic Council)	 31/4/2024
5.	Mr. R. Gopinath Software Engineer Tech Mahindra, TidelPark, Coimbatore	Member (Industrial expert)	 R. Gopinath
6.	Ms. M. Reshma Senior Software Testing Engineer Wipro Technologies, Tidel Park, Coimbatore.	Alumni	 Reshma

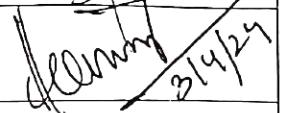
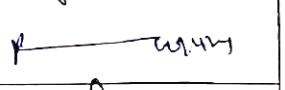
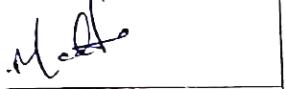
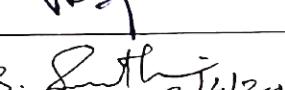
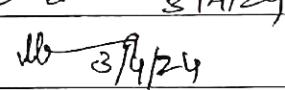
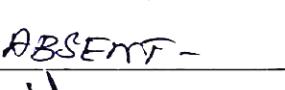
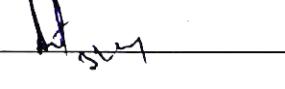
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S.NO.	NAME	DESIGNATION	SIGNATURE
8.	Dr. N. Kuppuchamy	Co-opted Member (Tamil)	
9.	Dr.A.Hazel Verbina	Co-opted Member (English)	
10.	Dr. R. Sowrirajan	Co-opted Member (Mathematics)	
11.	Ms. M. Madhusree	Student Representative	
12.	Dr. R. S. Padmapriya Assistant Professor (SG)	Member	
13.	Dr. T. R. Anand Assistant Professor (SG)	Member	
14.	Dr. V. Manimekalai Assistant Professor (SG)	Member	
15.	Dr. B. Leelavathi Associate Professor	Member	
16.	Dr. M. Aruna Assistant Professor	Member	
17.	Mrs. I. Ajitha Assistant Professor	Member	- ABSENT -
18.	Mr. R. Vijay Anand Assistant Professor	Member	

Date 3.4.2024

(Dr. M. Rathi)

BoS Chairman/HoD
 Department of Computer Technology
 Dr. N. G. P. Arts and Science College
 Coimbatore – 641 046

