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. – Kalapatti Road, Coimbatore – 641 048, Tamil Nadu, India
Web : www.drngpasc.ac.in | Email : info@drngpasc.ac.in | Phone : +91-422-2369100

BoS

17th

Department of Information Technology

Board of Studies Meeting

The minutes of the 17th meeting of Board of Studies held on 02.04.2024 at 10.30 am at the Seminar Hall III.

Members Present:

S.No	Name	Category
1.	Dr. A.Adhiselvam	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	Co-opted Member
7.	Dr.A.Hazel Verbina	Co-opted Member
8.	Dr.R.Sowrirajan	Co-opted Member
9.	Dr.T.Snekalatha	Co-opted Member
10.	Dr. K.Santhi	Member
11.	Dr.J.Savitha	Member
12.	Dr.K.Thenmozhi	Member
13.	Dr.R.Praba	Member
14.	Mrs.P.Menaka	Member
15.	Dr.B.M.Rajesh	Member
16.	Ms.A.Sathiya Priya	Member
17.	Ms.N.Vaishnavi	Member
18.	Dr.S.Shanthini	Member
19.	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 and contribution for the development of academic standard and enrichment of the syllabus.

Cont…

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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 – Subject Expert

After brief discussion 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 16.10.2023.*

The chairman of the Board presented the minutes of the previous meeting held on **16.10.2023** 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 16.10.2023.

Item 17.2: *To consider and approve the Scheme and syllabi for 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 2024-2025 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:

Course Code	Course	Changes & Reason
	Nil	

New Courses Introduced:

Course Code	Course	Change & Reason
24ITU6DE	Deep Learning	Dr. Prashant R. Nair suggested to introduce Deep Learning in semester VI since it powers many modern AI applications and technologies

Cont…

Courses Removed:

Course Code	Course	Change & Reason
24ITUSSA	Human Computer Interaction Design	Included in Self Study

IDC Offered

Course Code	Course	Department
24ITU11A	Basics of Information Technology	Clinical Laboratory Technology

After discussion the following resolution was passed.

Resolution:

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

Item 17.3: *To consider and approve syllabi for 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.

Changes Made:

Course Code	Course	Change & Reason
	Nil	

New Courses Introduced:

Course Code	Course	Change & Reason
	Nil	

Courses Removed:

Course Code	Course	Change & Reason
	Nil	

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After discussion the following resolution was passed.

Resolution:

Resolved to approve the existing syllabus of 2022-2023 batch without any modification for the students admitted from the academic year 2023-2024

Item 17.4: *To consider and approve the syllabi for V semester for the students admitted during the academic year 2022-2023.*

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

Changes Made:

Course Code	Course	Change & Reason
224IT1A5CC	Cloud Computing	Dr. Vadivel suggested to include the implementation of virtualization in Unit II since it is currently applied in the industry
SEC III: 224IT1A5SP	Mobile Application Development	Mr. Senthil Kumar suggested to include Android mobile operating system to create applications

New Courses Introduced:

Course Code	Course	Change & Reason
	Nil	

Courses Removed:

Course Code	Course	Change & Reason
	Nil	

After discussion, the following resolution was passed.

Resolution:

Resolved to approve the above modifications and adopt the revised syllabus for the students admitted for the academic year 2022-2023.

Item 17.5: *To approve the panel of examiners for question paper setting and evaluation of answer scripts for the odd semester of the academic year 2024-2025.*

The Chairman presented the panel of examiners for question paper setting, question paper scrutiny and conduct of practical and theory of examination are submitted to CoE for examination related work.

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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 2024-2025.

Item 17.6: *To consider and approve any other item brought forward by the Chairman and the members of the board.*

The board discussed the Value Added Certificate Courses and suggested "Power BI" course for the students admitted from the academic year 2023-2024.

Resolution:

Resolved to approve the Value Added Certificate Course.

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).

Date: 02.04.2024

(Dr.A.Adhiselvam)
BoS Chairman/HOD
Department of Information Technology
Dr. N.G.P. Arts And Science College
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Syllabus Revision

Faculty: Computer Science

Board: Information Technology

Course Code / Name: 224IT1A5CC / Cloud Computing

Semester: V

Unit	Existing	Changes
I	Introduction to Cloud Computing Definition - Characteristics of Cloud Computing - Cloud Models: Service Models Deployment Models - Cloud Services Example: IaaS- PaaS-SaaS	Historical Developments - Building Cloud Computing Environments —Principles of Parallel and Distributed Computing: Eras of Computing – Parallel vs Distributed Computing.
II	Cloud-based Services & Application, Concepts and Technologies. Cloud Computing for Healthcare - Energy Systems- Transportation Systems- Manufacturing Industry- Government-Education-Mobile Communication. Cloud Concepts & Technologies: Virtualization- ~~Load Balancing- Scalability and Elasticity~~ ~~Deployment- Replication – Monitoring – Software~~ ~~Defined Networking Network Function~~ ~~Virtualization- MapReduce- Identity and Access~~ ~~Management- Service level Agreements- Billing~~	Characteristics of Virtualized Environment.
III	Cloud Services & Platforms Compute Services - Storage Services- Database Services- Application Services Content Delivery Services- Analytics Services- Deployment and Management Services- Identity and Access Management Services- Open-Source Private Cloud Software	Economics of the Cloud- Open Challenges- Cloud Interoperability and Standards - Fault Tolerance.
IV	Developing for Cloud Cloud Application Design- Reference Architectures	Business and Consumer Applications- CRM and ERP, Social Networking, Media

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	for Cloud Applications- Cloud Application Design Methodologies- Data Storage Approaches	Applications and Multiplayer Online Gaming.
V	Cloud Security Introduction- CSA- Cloud Security Architecture- Authentication-Identification and Access Management- Data Security- Key Management- Auditing.	Cloud Operation & Challenges: Defining Cloud Operations – Objectives – Management – benefits of Cloud Operations – Challenges related to Cloud Computing. Cloud Cube Model: Securing data – Dimensions of Cloud Cube Model - Location of data internal / external dimension.

PERCENTAGE OF SYLLABUS REVISED: 90%

COURSE FOCUSES ON:

- [x] Skill Development
- [x] 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: Information Technology**
Course Code / Name: 224IT1A5SP / SEC-III-Mobile Application Development   Semester: V

S.No	Existing	Changes
1	Login Page Creation	Create an application to design a Visiting Card. The Visiting card should have a company logo at the top right corner. The company name should be displayed in Capital letters, aligned to the centre. Information like the name of the employee, job title, phone number, address, email, fax and the website address are to be displayed. Insert a horizontal line between the job title and the phone number.
2	Menu Creation	
3	Font and Colors	
4	GUI components	Develop an application to set an image as wallpaper. On click of a button, the wallpaper image should start to change randomly every 30 seconds.
5	Layout Managers and Event listeners.	Write a program to create an activity with two buttons START and STOP. On pressing of the START button, the activity must start the counter by displaying the numbers from One and the counter must keep on counting until the STOP button is pressed. Display the counter value in a Text View control.
6	GPS location	Create two files of XML and JSON type with values for City_Name, Latitude, Longitude, Temperature, and Humidity. Develop an application to create an activity with two buttons to parse the XML and JSON files which when clicked should display the data in their respective layouts side by side.

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7	Alert messages	
8	Alarm clock	Create an activity like a phone dialer with CALL and SAVE buttons. On pressing the CALL button, it must call the phone number and on pressing the SAVE button it must save the number to the phone contacts.
9	Graphical primitives	Develop an application to demonstrate the use of Asynchronous tasks in android. The asynchronous task should implement the functionality of a simple moving banner. On pressing the Start Task button, the banner message should scroll from right to left. On pressing the Stop Task button, the banner message should stop. Let the banner message be "Demonstration of Asynchronous Task".
10	~~Navigation pages~~	Develop an application that makes use of the clipboard framework for copying and pasting of the text. The activity consists of two Edit Text controls and two Buttons to trigger the copy and paste functionality.
11	Street vendor App	
12	Super market App	Develop a content provider application with an activity called "Meeting Schedule" which takes Date, Time and Meeting Agenda as input from the user and store this information into the SQLite database. Create another application with an activity called "Meeting Info" having Date Picker control, which on the selection of a date should display the Meeting Agenda information for that particular date, else it should display a toast message saying "No Meeting on this Date".

PERCENTAGE OF SYLLABUS REVISED: 75%

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ATTENDANCE OF THE SIXTEENTH BOARD OF STUDIES MEETING

Faculty: Faculty of Computer Science   **Board: Information Technology**

VENUE : C-201
DATE   : 02.04.2024
TIME   : 10.30 AM

The following members were present for the Board of Studies Meeting

S.NO.	NAME	DESIGNATION	SIGNATURE
1.	Dr.A.Adhiselvam Professor & Head Department of Information Technology Dr.N.G.P. Arts and Science College Coimbatore-641048	Chairman	
2.	Dr. R. Vadivel Associate Professor Department of Information Technology Bharathiar University Coimbatore - 641 046.	Member (Subject Expert) (Nominated by Vice Chancellor)	02/04/2024
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	K. Karth..

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S.NO.	NAME	DESIGNATION	SIGNATURE
7	Dr. N. Kuppuchamy Professor & Head	Co-opted Member (Tamil)	
8	Dr.A.Hazel Verbinaha Professor & Head (i/c)	Co-opted Member (English)	
9	Dr. R. Sowrirajan Assistant Professor & Head	Co-opted Member (Mathematics)	
10	Dr. T. Snekalatha Professor & Head	Co-opted Member (Commerce Accounting and Taxation)	
11	Mr. M. Sedhuvignesh III B.Sc. IT	Student Representative	
12	Dr.K.Santhi Professor	Member	
13	Dr.J.Savitha Professor	Member	
14	Dr.K.Thenmozhi Professor	Member	
15	Dr.R.Praba Associate Professor	Member	
16	Mrs.P.Menaka Assistant Professor(SG)	Member	
17	Dr.B.M.Rajesh Assistant Professor	Member	
18	Mrs. N.Vaishnavi Assistant Professor	Member	
19	Mrs. A.Sathiya Priya Assistant Professor	Member	
20	Dr.S.Shanthini Assistant Professor	Member	

Date : 02.04.2024

(Dr. A.Adhiselvam)
BoS Chairman/HOD
Department of Information Technology
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