

J.J.COLLEGE OF ARTS AND SCIENCE (Autonomous)

(Re-Accredited by NAAC with 'B++' Grade – Fourth Cycle)

(Affiliated to Bharathidasan University)

Sivapuram Post, Pudukkottai.

DEPARTMENT OF COMPUTER APPLICATIONS

BOARD OF STUDIES IN COMPUTER APPLICATIONS

AGENDA

Date : 01.04.2024 **Time :** 01.00 p.m.
Meeting No. : 11 **Venue :** Dept. of Computer Applications

1. Welcome Address & Outline of the meeting - Chairman
2. Self-Introduction of the Members
3. Presenting the proposed curriculum - Chairman
4. Discussion & Suggestions by the members
5. Passing of the finalized Resolutions
6. Vote of Thanks - Ms.A.Maria Stella

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DEPARTMENT OF COMPUTER APPLICATIONS

MINUTES OF BOARD OF STUDIES IN COMPUTER APPLICATIONS

Meeting No. : 11 **Venue : Dept of Comp. Appls., J.J.C**

Date : 01.04.2024 **Time : 01.00 p.m.**

Members

1. Dr.S.J.Sathish Aaron Joseph M.Sc.,P.G.D.E-Com.,M.Phil.,B.Ed.,Ph.D. - **Chairman**

Head, Department of Computer Applications

J.J.College of Arts and Science (Autonomous), Pudukkottai

2. Dr.E.George Dharma Prakash Raj M.Sc.,M.Phil.,Ph.D. - **Univ. Nominee**

Associate Professor

School of Computer Science, Engineering and Applications

Bharathidasan University, Khajamalai Campus, Tiruchirappalli – 620 023.

Mobile: 9443191790. **E-Mail:** georgeprakashraj@bdu.ac.in

3. Dr.S.Santhosh Kumar, M.Sc., M.Phil.,M.Tech., Ph.D. - **Subject Expert**

Assistant Professor, Department of Computer Science

Alagappa University, Karaikudi – 630 003.

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4. Dr.A.Nagarajan, M.C.A.,M.Phil.,Ph.D. - **Subject Expert**

Assistant Professor, Department of Computer Application

Alagappa University, Karaikudi – 630 003.

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5. Ms.J.Neela Saraswathi M.C.A.,M.Phil.,SET. - **Faculty Member**

Assistant Professor, Department of Computer Applications

J.J.College of Arts and Science (Autonomous), Pudukkottai.

- 6. Mr.S.Anthonisamy** M.C.A.,M.Phil.M.Sc. - **Faculty Member**
Assistant Professor, Department of Computer Applications
J.J.College of Arts and Science (Autonomous), Pudukkottai.
- 7. Dr.K.Selvan** M.C.A.,M.Phil.,Ph.D.SET. - **Faculty Member**
Assistant Professor, Department of Computer Applications
J.J.College of Arts and Science (Autonomous), Pudukkottai.
- 8. Ms.A.Maria Stella** M.S (IT&M),.M.Phil.,SET. - **Faculty Member**
Assistant Professor, Department of Computer Applications
J.J.College of Arts and Science (Autonomous), Pudukkottai.
- 9. Mr.B.Ramasubramanian** (M09CA123) M.C.A. - **Corporate Member**
Technology Lead, Delivery - ADM
Infosys Limited, Techno Park SEZ2 Mahindra World City
Chengalpet, Kancheepuram District.
Mobile: 9791389405 **E-Mail:** ramasubramanian.b@infosys.com
- 10. Ms.P.Nandhini** M.C.A. (P18CA1006) - **Alumnus**
Software Engineer
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Smartworks, Global Technology Park, Block - C
Bengaluru – 560 103.
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As part of our Autonomy, the Curricula for all Programme have to be revised once in every three years. In this, regard, the Curriculum Structure for the **B.C.A. - 03 Year Programme** and **M.C.A - 02 Year Programme** along with the Syllabus for Semester – I and Semester - II have been revised (R3) in the previous Board of Studies meeting (Meeting No - 10), approved in the Academic Council and implemented from the Academic Year 2023 - 2024 onwards.

This **Eleventh Board of Studies Meeting in Computer Applications** is held on 01.04.2024 at 01.00 p.m. to analyse, assess, modify the existing Structure, also to design the Syllabus from Semester – 3 to Semester - 6 of **B.C.A. Programme** and the Syllabus for Semester – 3 & 4 of **M.C.A. Programme** to be implemented from the ensuing Academic year 2024 – 2025 onwards, pertaining to the approval from the Academic Council of the college.

General Resolutions

1. In his notification No: 1616, dated 10.08.2021, the Secretary, Department of Higher Education, Government of Tamil Nadu, has given the Autonomous Colleges, the freedom to retain / reframe their syllabi, Course Structure etc., in keeping with their perceptions on Institutional / local needs.

2. The College Council at its meeting held on 16.09.2023 resolved that our Institution will gratefully accept the academic freedom and empower the Boards of Studies either to retain or to reframe their Curriculum for various Programme under CBCS and UGC - LOCF.

3. However, the Course Structure for the U.G. & P.G. programme at Institutional level will have to follow a uniform pattern with minor variations depending on the discipline specific needs.

4. It is resolved to modify and follow a total of **43 Courses, 4300 Marks and 141 Credits** for the U.G. Programme and **21 Courses, 2100 Marks and 90 Credits** for the P.G. Programme.

Distribution of Courses – U.G.

Sl. No.	Part	Courses	No. of Courses	No. of Credits	Marks
1.	I	Language Courses	4	12	400
2.	II	English Courses	4	12	400
3.	III	Core Courses	8	37	800
4.		Core Practical	6	28	600
5.		Project Work	1	04	100
6.		Discipline Specific Elective Courses	8	24	800
7.	IV	Internship	1	02	100
8.		Skill Enhancement Courses	7	14	700
9.		Value Education	1	02	100
10.		Environmental Studies	1	02	100

11.		Foundation Course	1	02	100
12.	V	Gender Studies	1	01	100
13.		Extension Activity	-	01	-
Total			43	141	4300

Distribution of Courses – P.G.

Sl. No.	Types of the Courses	No. of Courses	No. of Credits	Marks
1.	Core Courses	12	58	1200
2.	Project Work	01	10	100
3.	Discipline Specific Elective Courses	05	15	500
4.	Internship	01	03	100
5.	Skill Enhancement Courses	02	04	200
Total		21	90	2100

5. The Revised Syllabus has been implemented from the Academic Year 2023 – 2024 onwards. In the previous Boards of Studies meeting, the Syllabus for first two Semesters have been passed. Now in the light of the Government Communication, cited in Point No. 1, the Chairman of the Boards of Studies have introduced some changes in the Syllabus for Semester I and Semester II. Such modifications are approved and passed by this Board.

6. The Course Structure mentioned in Point No: 4 for U.G. & P.G. Programme have already been approved and passed by the Boards of Studies in the previous meeting.

7. In the present revision and modification, the General instructions on Curriculum Design, Course Structure, Uniformity of standards etc., given by the UGC - LOCF, AICTE, NAAC, TANSCH and the Parent University have been scrupulously followed.

8. Following the suggestion given by the Honorable members of the Academic Council in its last meeting, a course on Gender Studies has been included.

9. Resolved to include various online courses like **SWAYAM - MOOCs** with extra credits. The credits thus earned will be reflected in the Cumulative Mark Statement of the students.

10. Resolved to continue offering Value Added Courses.

Resolutions pertaining to B.C.A. Programme

11. Resolved to offer **04 Language courses under Part – I**, for which the Course title and syllabi is drafted and passed by the BoS in Tamil.

12. Resolved to offer **04 English Language courses under Part – II**, for which the Course title and syllabi is drafted and passed by the BoS in English.

13. Resolved to offer the following **14 Core Courses (08 Theory Courses + 06 Practical Courses) and 01 Project Course.**

Semester – I

- | | | |
|---------------------------------|---|------------------|
| 1. Python Programming | – | Newly Introduced |
| 2. Python Programming Practical | - | Newly Introduced |

Semester - II

- | | | |
|--|---|------------------|
| 3. Object Oriented Programming Concept using C++ | – | Newly Introduced |
| 4. C++ Programming Practical | - | Newly Introduced |

Semester – III

- | | | |
|-------------------------------|---|----------|
| 5. RDBMS | – | Retained |
| 6. SQL and PL / SQL Practical | - | Retained |

Semester – IV

- | | | |
|----------------------------------|---|----------|
| 7. Programming in Java | – | Retained |
| 8. Programming in Java Practical | - | Retained |

Semester – V

- | | | |
|-----------------------------------|---|------------------|
| 9. Operating Systems | – | Retained |
| 10. Computer Networks | – | Retained |
| 11. ASP.NET Programming | – | Newly Introduced |
| 12. ASP.NET Programming Practical | - | Newly Introduced |

Semester – VI

- | | | |
|----------------------------------|---|----------|
| 13. Web Technology | - | Retained |
| 14. Web Technology Practical | - | Retained |
| 15. Software Application Project | - | Retained |

14. Resolved to offer the following **08 Discipline Specific Elective Courses (DSE) – Courses offered under DSE 01 and DSE 02 are drafted and Passed in the Board of Studies in Mathematics.**

DSE 01 – Semester - I

- | | | |
|---|---|------------------|
| 1. Discrete mathematics –I | - | Newly Introduced |
| 2. Statistical methods and its Applications - I | - | Newly Introduced |
| 3. Numerical Methods | - | Newly Introduced |

DSE 02 – Semester - II

- | | | |
|---|---|------------------|
| 1. Discrete mathematics –II | - | Newly Introduced |
| 2. Statistical methods and its Applications –II | - | Newly Introduced |
| 3. Graph Theory and its Applications | - | Newly Introduced |

DSE 03 – Semester - III

- | | | |
|-----------------------------------|---|------------------|
| 1. Data Structures and Algorithms | - | Newly Introduced |
| 2. Datamining and Warehousing | - | Retained |

DSE 04 – Semester - IV

- | | | |
|--------------------------------|---|------------------|
| 1. Human Computer Interaction | - | Newly Introduced |
| 2. Natural Language Processing | - | Newly Introduced |

DSE 05 – Semester - V

- | | | |
|--------------------------------|---|------------------|
| 1. Software Engineering | - | Retained |
| 2. Software Project Management | - | Newly Introduced |

DSE 06 – Semester - V

- | | | |
|-----------------------|---|----------|
| 1. Internet of Things | – | Retained |
| 2. Mobile Computing | - | Retained |

DSE 07 – Semester - VI

- | | | |
|----------------------------|---|-------------------------|
| 1. Artificial Intelligence | – | Newly Introduced |
| 2. Cloud Computing | - | Retained |

DSE 08 – Semester - VI

- | | | |
|----------------------------|---|----------|
| 1. Internet Programming | – | Retained |
| 2. E-Commerce Technologies | - | Retained |

15. Resolved to offer the following **07 Skill Enhancement Course (SEC) - Courses offered under SEC 01 and SEC 02 (Q.A - II) are drafted and Passed in the Board of Studies in Mathematics and Coursed offered under SEC 02 (Managerial Skill Development) SEC 04 are drafted and Passed in the Board of Studies in Business Administration.**

SEC 01– Semester - I

- | | | |
|------------------------------|---|----------|
| 1. Quantitative Aptitude – I | - | Retained |
|------------------------------|---|----------|

SEC 02 – Semester - II

- | | | |
|---------------------------------|---|-------------------------|
| 1. Quantitative Aptitude - II | - | Retained |
| 2. Managerial Skill Development | - | Newly Introduced |

SEC 03 – Semester - II

- | | | |
|---|---|-------------------------|
| 1. Fundamentals of Information Technology - | | Newly Introduced |
| 2. Understanding of Internet | - | Newly Introduced |

SEC 04 – Semester - III

- | | | |
|-----------------------------|---|-------------------------|
| 1. Organizational Behaviour | - | Retained |
| 2. Financial Accounting | - | Newly Introduced |

SEC 05 – Semester - IV

- | | | |
|---------------------------------|---|------------------|
| 1. Multimedia Systems | - | Retained |
| 2. Enterprise Resource Planning | - | Newly Introduced |

SEC 06 – Semester - IV

- | | | |
|-------------------------|---|------------------|
| 1. Web Design | - | Newly Introduced |
| 2. Introduction to HTML | - | Newly Introduced |

SEC 07 – Semester - VI

- | | | |
|---------------------|---|------------------|
| 1. Software Testing | - | Newly Introduced |
| 2. Wireless Network | - | Retained |

16. Resolved to offer **Internship** – To be done during the summer vacation of **Fourth Semester**. The Report should be evaluated and credits **(02)** to be awarded in the Fifth Semester.

17. Resolved to offer the following Courses

- Foundation Course – Structured Programming Language in C - First Semester
- Value Education - Third Semester – Passed in the BoS in Tamil & English
- Environmental Studies - Fourth Semester - Passed in the BoS in Biotechnology
- Gender Studies - Sixth Semester - Passed in the BoS in Tamil

18. Resolved to offer the **Extension activity** under **Part – V**

19. Resolved to motivate the Students to do concurrent Online Courses offered through **MOOCS – SWAYAM / NPTEL**. Those Credits can be included as EXTRA CREDITS in the students Cumulative Mark Statement.

20. Resolved to offer the following Courses to other Departments.,

- | | | |
|---------------------------------------|---|----------|
| 1. Computer Skill Development Course | - | Retained |
| 2. Internet Skill Development Course | - | Retained |
| 3. Computer Applications in Chemistry | - | Retained |

B.C.A. (For the Students admitted during the Academic year 2023 - 24)

(Based on U.G.C. - LOCF and TANSCHÉ – CBCS)

SEMESTER – I									
Sl. No.	Part	Course code	Title of the Course	Hrs / Week	Credits	Exam Hours	Marks		Total
							CIA	ESE	
1	I	U1R3TL1/ HL1/FL1	Language – I (Tamil/Hindi/French)	6	3	3	25	75	100
2	II	U1R3EL1	Language – II (English)	6	3	3	25	75	100
3	III	U1R3CACC1	Python Programming	5	5	3	25	75	100
4		U1R3CACC2P	Python Programming Practical	5	5	3	40	60	100
5		U1R3CADSE1:1 / 1:2/1:3	1:1 Discrete Mathematics – I 1:2 Statistical methods and its applications – I 1:3 Numerical methods	4	3	3	25	75	100
6	IV	U1R3MASEC1	1.Quantitative aptitude – I	2	2	3	25	75	100
7		U1R3CAFC	Structured Programming Language in C	2	2	3	25	75	100
Total				30	23				700
SEMESTER – II									
Sl. No	Part	Course Code	Title of the Course	Hrs / Week	Credits	Exam Hours	Marks		
							CIA	ESE	Total
1	I	U2R3TL2/ HL2/FL2	Language – I (Tamil/Hindi/French)	6	3	3	25	75	100
	II	U2R3EL2	Language – II (English)	6	3	3	25	75	100
3	III	U2R3CACC3	Object Oriented Programming concepts using C++	5	5	3	25	75	100
4		U2R3CACC4P	C++ Programming Practical	5	5	3	40	60	100
5		U2R3CADSE2:1 / 2:2 / 2:3	2:1 Discrete Mathematics – II 2:2 Statistical methods and its Applications-II 2:3 Graph theory and its Applications	4	3	3	25	75	100
6	IV	U2R3CASEC2 (NME2)	2:1 Managerial Skill Development 2:2 Quantitative Aptitude-II	2	2	3	25	75	100
7		U2R3CASEC 3:1 / 3:2	3:1 Fundamentals of Information Technology 3:2 Understanding Internet	2	2	3	25	75	100
Total				30	23				700

SEMESTER – III									
Sl. No	Part	Course Code	Title of the Course	Hrs / Week	Credits	Exam Hours	Marks		
							CIA	ESE	Total
1	I	U3R3TL3/HL3/FL3	Language – I (Tamil/Hindi/French)	5	3	3	25	75	100
2	II	U3R3EL3	Language – II (English)	5	3	3	25	75	100
3	III	U3R3CACC5	RDBMS	6	5	3	25	75	100
4		U3R3CACC6P	SQL and PL/SQL Practical	5	5	3	40	60	100
5		U3R3CADSE3:1 / 3:2	3:1 Organizational Behavior 3:2 Financial Accounting	4	3	3	25	75	100
6	IV	U3R3VE	Value Education	2	2	3	25	75	100
7		U3R3CASEC4:1 / 4:2	4:1 Data structures and Algorithms 4:2 Datamining and Warehousing	3	2	3	25	75	100
			Total	30	23				700
SEMESTER – IV									
Sl. No	Part	Course Code	Title of the Course	Hrs / Week	Credits	Exam Hours	Marks		
							CIA	ESE	Total
1	I	U4R3TL4/ HL4/FL4	Language – I (Tamil/Hindi/French)	5	3	3	25	75	100
2	II	U4R3EL4	Language– II (English)	5	3	3	25	75	100
3	III	U4R3CACC7	Programming in Java	5	5	3	25	75	100
4		U4R3CACC8P	Programming in Java Practical	5	5	3	40	60	100
5		U4R3CADSE4:1 / 4:2	4:1 Human Computer Interaction 4:2 Natural Language Processing	3	3	3	25	75	100
	IV	U4R3CASEC5:1 / 5:2	5:1 Multimedia Systems 5:2 Enterprise Resource Planning	2	2	3	25	75	100
7		U4R3CASEC6:1 / 6:2	6:1 Web Design 6:2 Introduction to HTML	3	2	3	25	75	100
8		U4R3EVS	Environmental Studies	2	2	3	25	75	100
			Total	30	25				800

SEMESTER – V									
SL No	Part	Course Code	Title of the Course	Hrs / Week	Credits	Exam Hours	Marks		
							CIA	ESE	Total
1	I	U5R3CACC9	Operating Systems	5	5	3	25	75	100
2	II	U5R3CACC10	Computer Networks	5	4	3	25	75	100
3	III	U5R3CACC11	ASP.NET Programming	5	4	3	25	75	100
4		U5R3CACC12 P	ASP.NET Programming Practical	5	4	3	40	60	100
5		U5R3CADSE 5:1/ 5:2	5:1 Software Engineering 5:2 Software Project Management	5	3	3	25	75	100
✓		U5R3CADSE 6:1/ 6:2	6:1 Internet of Things 6:2 Mobile Computing	5	3	3	25	75	100
7	IV	U5R3CAINT	Internship*Semester –IV Summer Vacation	-	2	-	-	100	100
			Total	30	25				700
SEMESTER – VI									
SLNo	Part	Course Code	Title of the Course	Hrs / Week	Credits	Exam Hours	Marks		
							CIA	ESE	Total
1	I	U6R3CACC13	Web Technology	5	4	3	25	75	100
2	II	U6R3CACC14P	Web Technology Practical	5	4	3	40	60	100
3	III	U6R3CACC15PW	Software Application Project	5	4	3	-	100	100
		U6R3CADSE7:1 / 7:2	7:1 Artificial Intelligence 7:2 Cloud Computing	5	3	3	25	75	100
5		U6R3CADSE8:1 / 8:2	8:1 Internet Programming 8:2 E-Commerce Technologies	5	3	3	25	75	100
6	IV	U6R3CASEC7:1 / 7:2	7:1 Software Testing 7:2 Wireless Network	3	2	3	25	75	100
7	V	U6R3GS	Gender Studies	2	1	3	25	75	100
8			Extension Activity	-	1	-			
			Total	30	22				700
		Grand Total	43 – Courses		141				4300

Resolutions pertaining to M.C.A. Programme

21. Resolved to offer the following **12 Core Courses** which is listed **below** Semester wise.

Semester – I

- | | | |
|--------------------------------|---|------------------|
| 1. Discrete Mathematics | - | Retained |
| 2. Linux and Shell Programming | - | Newly Introduced |
| 3. Python Programming | - | Newly Introduced |

Semester - II

- | | | |
|--|---|-------------------|
| 4. Data Structures and Algorithms | - | Newly Introduced |
| 5. Big Data Analytics | - | Syllabus Modified |
| 6. Data Structures and Algorithms & Big Data Analytics Lab - | | Newly Introduced |

Semester – III

- | | | |
|----------------------------------|---|----------|
| 7. Management Information System | - | Retained |
| 8. Compiler Design | - | Retained |
| 9. Data Base Management System | - | Retained |
| 10. RDBMS Practical | - | Retained |

Semester – IV

- | | | |
|--|---|------------------|
| 11. E-Commerce | - | Newly Introduced |
| 12. Software Quality Assurance and Testing | - | Retained |

22. Resolved to offer the following **05 Discipline Elective Courses.,**

DSE – 1 (Theory - Any 01 in Semester - I)

- | | | |
|------------------------------------|---|-------------------|
| 1. Data Engineering and Management | - | Newly Introduced |
| 2. Architecture and Frameworks | - | Newly Introduced |
| 3. Network Protocols | - | Newly Introduced |
| 4. Dot Net Technologies | - | Syllabus Modified |

DSE – 2 (Lab -Any 01 in Semester - I)

- | | | |
|--|---|------------------|
| 1. Data Engineering and Management Lab | - | Newly Introduced |
| 2. Architecture and Frameworks lab | - | Newly Introduced |

3. Network Protocols Lab - **Newly Introduced**

4. Dot Net Technologies lab - **Syllabus Modified**

DSE – 3 (Theory - Any 01 in Semester - II)

1. Software Development Technologies - **Newly Introduced**

2. Soft Computing - **Newly Introduced**

DSE – 4 (Theory - Any 01 in Semester - II)

1. Social Networks - **Newly Introduced**

2. High Performance Computing - **Newly Introduced**

DSE – 5 (Theory - Any 01 in Semester - III)

1. Data Communication Networks - **Retained**

2. Network Security - **Retained**

23. Resolved to offer the following **02 Skill Enhancement Courses.,**

SEC – 1 (Theory - Any 01 in Semester - II)

1. Internet of Things - **Syllabus Modified**

2. Computer Vision - **Newly Introduced**

SEC – 2 (Theory - Any 01 in Semester - III)

1. Software Engineering - **Retained**

2. Software Project Management - **Newly Introduced**

24. Resolved to offer **Internship** – To be done during the summer vacation of **Second Semester**. The Report should be evaluated and credits **(02)** to be awarded in the Third Semester.

25. Students should be motivated to do concurrent Online Courses in various Platforms like SWAYAM / MOOCS – Those Credits can be included as EXTRA CREDITS in the students Cumulative Mark Statement.

Master of Computer Applications – M.C.A.

Course Structure based on U.G.C. - LOCF and TANSCHÉ

Choice Based Credit System

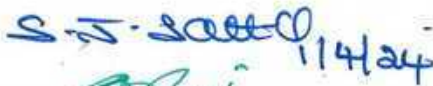
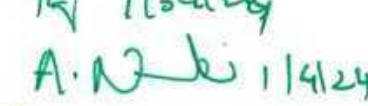
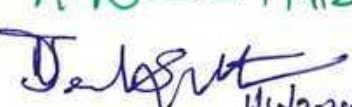
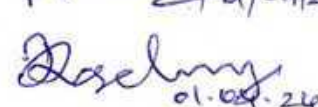
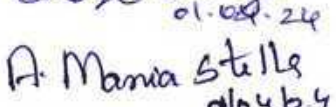
(To be followed from the Academic year 2023 - 2024 onwards)

SEMESTER – I								
Sem	Course Code	Course Title	Hrs/ Week	Credit	Exam Hrs	Marks		Total
						Int	Ext	
I	PIR3CACC1	Discrete Mathematics	7	5	3	25	75	100
	PIR3CACC2	Linux and Shell Programming	7	5	3	25	75	100
	PIR3CACC3	Python Programming	6	4	3	25	75	100
	PIR3CADSE 1:1 / 1:2 / 1:3 / 1:4	1:1 Data Engineering & Management 1:2 Architectural Frameworks 1:3 Network Protocols 1:4 Dot Net Technologies	5	3	3	25	75	100
	PIR3CADSE2: 1P / 2:2P / 2:3P / 2:4P	2:1P.Data Engineering & Management Lab 2:2P Architectural Frameworks Lab 2:3P Network Protocols Lab 2:4P Dot Net Technologies Lab	5	3	3	40	60	100
		Total	30	20	-	-	-	500

SEMESTER – II								
Sem	Course Code	Course Title	Hrs/ Week	Credit	Exam Hrs	Marks		Total
						Int	Ext	
II	P2R3CACC4	Data Structures and Algorithms	6	5	3	25	75	100
	P2R3CACC5	Big Data Analytics	6	5	3	25	75	100
	P2R3CACC6P	Data Structure and Algorithm & Big Data Analytics Lab	6	4	3	40	60	100
	P2R3CADSE 3:1 / 3:2	3:1 Software Development Technologies 3:2 Soft Computing	5	3	3	25	75	100
	P2R3CADSE 4:1 / 4:2	4:1 Social Networks 4:2 High Performance Computing	5	3	3	25	75	100
	P2R3CASEC 1:1 / 1:2	1:1 Internet of Things 1:2 Computer Vision	2	2	3	25	75	100
		Total	30	22	-	-	-	600
SEMESTER – III								
III	P3R3CACC7	Management Information System	5	5	3	25	75	100
	P3R3CACC8	Compiler Design	5	5	3	25	75	100
	P3R3CACC9	Data Base Management System	5	5	3	25	75	100
	P3R3CACC10P	RDBMS Practical	5	5	3	40	60	100
	P3R3CADSE 5:1 / 5:2	5:1 Data Communication Networks 5:2 Network Security	5	3	3	25	75	100
	P3R3CASEC 2:1 / 2:2	2:1 Software Engineering 2:2 Software Project Management	5	2	3	25	75	100
	P3R3CAINT	Internship	--	3	--	--	100	100
		Total	30	28	-	-	-	700

SEMESTER – IV								
IV	P4R3CACC11	E-Commerce	06	5	3	25	75	100
	P4R3CACC12	Software Quality Assurance and Testing	06	5	3	25	75	100
	P4R3CACC13P W	Project Work	18	10	--	-	100	100
		Total	30	20	-	-	-	300
	Grand Total	21 – Courses		90	-	-	-	2100

SIGNATURE OF THE MEMBERS:

1.  11/4/24 - Dr.S.J.Sathish Aaron Joseph - (Chairman)
2.  01/04/24 - Dr.E.George Dharma Prakash Raj - (Univ. Nominee)
3.  11/04/24 - Dr.S.Santhoshkumar - (Subject Expert)
4.  11/4/24 - Dr.A.Nagarajan - (Subject Expert)
5.  11/4/2024 - Ms.J.Neela Saraswathi - (Faculty Member)
6.  01/04/24 - Mr.S.Anthonisamy - (Faculty Member)
7.  01-04-24 - Dr.K.Selvan - (Faculty Member)
8.  01/04/24 - Ms.A.Mariastella - (Faculty Member)
9. **NOT PRESENT** - Mr. R.Ramasubramanian - (Corporate Member)
10.  01/04/24 - Ms.P.Nandhini - (Alumnus)