

**Kongunadu Arts and Science College (Autonomous)**  
**Coimbatore 641029**

**Department of Computer Applications (UG)**

**Minutes of the Board of Studies:**

The Board of Studies meeting was held on 17.03.2025. The Chairman welcomed and outlined the changes to be made in the following for the board approval.

**Item 1. To consider revision in the Curriculum, Scheme of Examination and Syllabi of Computer Applications (UG) and Post Graduate Diploma in Computer Applications (PGDCA) for the Students to be admitted for the Academic Year 2025-2026 for approval.**

It is resolved to approve the following changes made to the curriculum, Scheme of Examination and Syllabi of Bachelor of Computer Applications for the students to be admitted from the academic year 2025-2026 and onwards.

**Department of Computer Applications**

**Courses Revised**

| <b>Sem.</b> | <b>Course code</b> | <b>Name of the Course</b>                                 | <b>Changes made</b>                                                                                               |
|-------------|--------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| II          | 25UCA202           | Object Oriented Programming with Java Programming         | Object Oriented Programming with C++ is replaced by Object Oriented Programming with Java Programming             |
| II          | 25UCA2CM           | Object Oriented Programming Lab with Java Programming Lab | Object Oriented Programming with C++ Lab is replaced by Object Oriented Programming Lab with Java Programming Lab |
| IV          | 25UCA404           | Python Programming                                        | Python Programming is shifted from VI semester instead of Dot Net Framework with Oracle with slight updates       |

|    |          |                                                  |                                                                                                                                                                           |
|----|----------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| V  | 5UCA507  | Artificial Intelligence and Machine Learning     | Artificial Intelligence and Expert Systems is renamed and Artificial Intelligence and Machine Learning. Expert System concepts are replaced by Machine Learning Concepts. |
| V  | 25UCA5CP | Artificial Intelligence and Machine Learning Lab | Data Mining with R Programming Lab is replaced by Artificial Intelligence and Machine Learning Lab                                                                        |
| VI | 25UCA608 | Data Science with R Programming                  | Data Science with R Programming is introduced instead of Web Designing. R Programming concept are included.                                                               |

- The Text and Reference Books has been updated for Core, Elective and Allied Courses

#### **Courses Introduced:**

| <b>Sem.</b> | <b>Course code</b> | <b>Name of the Course</b>                     | <b>Changes made</b>                                                                                                                                                             |
|-------------|--------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| III         | 25UCA303           | Relational Database Management System (RDBMS) | Data Structures with Java Programming is replaced by Relational Database Management System, Java Programming is shifted to 2 <sup>nd</sup> semester with 50% changes            |
| III         | 25UCA3CN           | Relational Database Management System Lab     | Data Structures with Java Programming lab is replaced by Relational Database Management Java Programming Lab is shifted to 2 <sup>nd</sup> semester with 50% changes System lab |
| IV          | 25UCA4CO           | Data Structure using Python Lab               | Data Structure using Python Lab is introduced instead of .Net Framework with Oracle Lab                                                                                         |

|        |                  |                                                                      |                                                                                                                                                                                          |
|--------|------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IV     | 25UCA4A4         | Data Structures                                                      | Data Structures is introduced instead of Distributed Operating System.                                                                                                                   |
| IV     | 25UCA4SL         | Professional Development Lab                                         | Linux Programming Lab is replaced by Professional Development Lab                                                                                                                        |
| V      | 25UCA506         | Operating Systems                                                    | Operating Systems is introduced instead of data Mining with R programming – data mining paper is added in the elective list and R Programming is moved to VI semester with Data Science. |
| V      | 25UCA5CP         | Artificial Intelligence and Machine Learning Lab                     | Data Mining with R Programming Lab is replaced by Artificial Intelligence and Machine Learning Lab                                                                                       |
| VI     | 25UCA6CQ         | Data Science with R Programming Lab                                  | Data Science with R Programming Lab is introduced.                                                                                                                                       |
| VI     | 25UCA609         | Computer Networks                                                    | Computer Networks is introduced instead of Python Programming – python Programming is shifted to IV Semester.                                                                            |
| VI     | 25UCA6CQ         | Data Science with R Programming Lab                                  | Data Science with R Programming Lab is introduced.                                                                                                                                       |
| V & VI | 25UCA5E-<br>/6E- | Big Data and Analytics, Data Mining and Warehousing, Cloud Computing | These three Elective papers are introduced. Instead of Multimedia Systems, Fuzzy Logic and Information Security.                                                                         |

### **Post Graduate Diploma in Computer Applications (PGDCA):**

The Existing Scheme and Syllabus of the Academic Year 2024-2025 has been retained for the Academic Year 2025-2026.

#### **Item 2. To suggest the panel of names for appointment of examiners.**

It is resolved to Update the Panel of External Examiners for Question Paper setting for Theory, Practical, Project and Viva-voce.

- Indian Knowledge System (IKS) is introduced in the 4<sup>th</sup> unit about the concept of decision making in Artificial Intelligence and Machine Learning Paper in V Semester.

The following Job Oriented Courses are introduced from this academic year 2025-2026.

JOC – 1 – Open Source Designing Tools Lab

JOC – 2 – IoT Simulation Tools Lab

JOC – 3 Data Visualization Lab

JOC – 4 - Mobile App Development using Open Source Tool

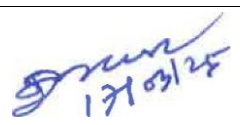
As per the suggestions and recommendations given by the various Stakeholders on the above items discussed, the existing/revised the Scheme of Curriculum / Scheme of Examination / Syllabi and Panel of Examiners are to be followed is annexed herewith for the implementation from the commencement of the Academic year 2025 – 2026.

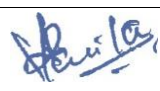
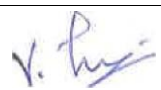
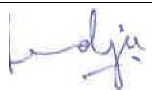
The members after careful scrutiny of the changes to be made unanimously accorded approval for the proposed changes/modifications. They also resolved to authorize the Chairman of Board of Studies to place the changes/modifications now approved by the BOS before the Standing Committee on Academic affairs and Academic Council.

- **Other Academic Activities:** Health and Wellness Programme (25UHW401) is implemented in IV Semester. Extra credits will be given to the candidates who have successfully completed.
- Students are encouraged to complete any courses from MOOCS-SWAYAM, NPTEL and Coursera Courses, it is applicable for the existing II and III years (2024-2025, 2023-2024), Extra credits will be given to the candidates who have successfully completed.

One courses to be taken from coursera. This is applicable to all academic years for all the existing students for the academic years. (2025-2026, 2024-2025,2023-2024)

#### **Signature of the Board Members**

| S.No. | Name               | Designation                                                                                                                                            | Signature                                                                             |
|-------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1.    | Dr. V. Vijayakumar | Associate Professor,<br>Department of Computer<br>Science with Data<br>Analytics.<br>Sri Ramakrishna College<br>of<br>Arts and Science,<br>Coimbatore. |  |
| 2.    | Dr.T.N.Ravi        | Associate Professor,<br>Department of Computer<br>Science,<br>Jamal Mohamed<br>College(Autonomous)<br>Trichy.                                          |  |
| 3.    | Dr.R.K.Kavitha     | Assistant Professor,<br>Department of Computer<br>Applications,<br>Kumaraguru College<br>of Technology,<br>Coimbatore.                                 | --                                                                                    |

|     |                          |                                                                                            |                                                                                       |
|-----|--------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 4   | Mr.S. Aravind            | SAP Consultant,<br>E WN Westernacher<br>Consulting,Coimbatore.                             |    |
| 5   | Ms.S.Thomnic<br>Lithvina | PG Student, Department<br>of<br>Computer Science,<br>Kongunadu Arts and<br>Science College |    |
| 6   | Mr.S.Gowtham             | III BCA Main<br>Student<br>Department of Computer<br>Applications                          |    |
| 7   | Mr.P.Kaliraj             | Assistant Professor,<br>Department of Computer<br>Applications                             |    |
| 8   | Dr. S .N armadha         | Assistant Professor,<br>Department of Computer<br>Applications                             |  |
| 9   | Mrs.R.Vanitha            | Assistant Professor,<br>Department of Camp Iter<br>Applications                            |  |
| 10  | Ms. V .Janani Prarthana  | Assistant Professor,<br>Department of Computer<br>Applications                             |  |
| 11. | Dr.J.Gladju              | Assistant Professor,<br>Department of Computer<br>Applications                             |  |
| 12. | Mrs.K.Geetha             | Assistant Professor,<br>Department of Computer<br>Applications                             |  |
| 13. | Dr.M.Suganthi            | Assistant Professor,<br>Department of Computer<br>Applications                             |  |

|     |                              |                                                                      |                                                                                     |
|-----|------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 14. | Dr.A. Vaishnavi              | Assistant Professor.<br>Department of Computer<br>Applications       |  |
| 15. | Dr. K. Sumangala<br>Chairman | Associate Professor & Head<br>Department of Computer<br>Applications |  |

 17/3/23

Signature of the Principal

**PRINCIPAL**  
Kongunadu Arts & Science College  
Coimbatore - 641 029



Signature of the Chairman of the Board

**Head of the Department**  
Department of Computer Applications(UG)  
Kongunadu Arts and Science College  
Coimbatore - 29

## Annexure

### (Comprehensive Revision of Syllabus – Revised and Unrevised Courses) (2025 – 2026)

| Sl. No. | Semester | Course Code | Name of the Course                                          | Existing/<br>Revised | % of<br>modification | Employability/<br>Entrepreneurship/<br>Skill Development |
|---------|----------|-------------|-------------------------------------------------------------|----------------------|----------------------|----------------------------------------------------------|
| 1       | I        | 25UCA101    | Core Paper 1 - C Programming                                | Existing             | -                    | Skill Development                                        |
| 2       | I        | 25UCA1CL    | Core Practical 1 – C Programming Lab                        | Existing             | -                    | Skill Development                                        |
| 3       | II       | 25UCA202    | Object Oriented Programming with Java                       | Revised              | 50%                  | Skill Development                                        |
| 4       | II       | 25UCA2CM    | Object Oriented Programming with Java Lab                   | Revised              | 50%                  | Skill Development/<br>Employability                      |
| 5       | V        | 25UCA505    | Core Paper 5 – Software Engineering                         | Existing             | -                    | Skill Development                                        |
| 6       | V        | 25UCA507    | Core Paper 7 - Artificial Intelligence and Machine Learning | Revised              | 40%                  | Employability/<br>Skill Development                      |
| 7       | VI       | 25UCA608    | Core Paper 8 - Data Science with R Programming              | Revised              | 50%                  | Skill Development/<br>Employability                      |
| 8       | VI       | 25UCA6CQ    | Core Practical 6 – Data Science                             | Revised              | 50%                  | Employability/<br>Entrepreneurship/                      |



|   |    |          |                                  |          |                                                          |
|---|----|----------|----------------------------------|----------|----------------------------------------------------------|
|   |    |          | with R Programming Lab           |          | Skill Development                                        |
| 9 | VI | 25UGA6CR | Core Practical 7- Web Design Lab | Existing | Employability/<br>Entrepreneurship/<br>Skill Development |

% of change: Change of entire course (5 units): 100% Change of one unit: 20% Small Change: 10%

Minor Change: 5%

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