

Kongunadu Arts and Science College (Autonomous)
Coimbatore 641029

Department of Computer Science with Data Analytics

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 Scheme of Curricula for the board approval.

Preamble:

The Chairman Dr. L. Kathirvelkumaran proposed various changes/modification changes to be made in the syllabi for the students admitted in the academic year 2025 – 2026 and onwards.

As per the suggestions and recommendations given by the various Stakeholders on the above items discussed, the existing Scheme of Curriculum / Scheme of Examination / Syllabi, Panel of experts for question paper setting and Panel of examiners are enclosed herewith as annexure for the implementation from the commencement of the Academic year 2025 – 2026.

The members unanimously resolved to approve the proposed changes after careful scrutiny. They also resolved to authorize the Chairman of Board of Studies to place the changes/modifications as approved by the BoS before the Standing Committee on Academic affairs and Academic Council.

Item 1:

Sem.	Subject code	Title of the paper	Changes made
I	25UDA101	Core Paper 1: Problem Solving using C Programming	Nil
	25UDA1CL	Core Practical 1: Problem Solving using C Lab	Nil
II	25UDA202	Core Paper 2: Object Oriented Programming in Java	Nil
	25UDA2CM	Core Practical 2: Object Oriented Programming in Java Lab	5%
III	25UDA303	Core Paper 3: Python Programming	10%
	25UDA3CN	Core Practical 3: Python Programming Lab	20%
	25UDA3A3	Allied Paper 3 – Distributed Operating System	100%
	23UGC3S1	Skill Based subject 1- Cyber Security	Nil
IV	25UDA404	Core Paper 4: Fundamentals of Data Analytics	40%
	25UDA4CO	Core Practical 4: Data Analytics Lab	100%

	25UDA4A4	Allied Paper 3 – Design and Analysis of Algorithm	Nil
	25UDA4SL	Skill Based Subject 2- Web Design Lab	Nil
V	25UDA505	Core Paper 5- R Programming	20%
	25UDA5CP	Core Practical 5- R Programming Lab	Nil
	25UDA506	Core Paper 6- Relational Database Management system	Nil
	25UDA5CQ	Core Practical 6 – Relational Database Management System Lab	Nil
	25UDA5XL	EDC-Internet Basics and Advanced Excel Lab	Nil
	25UDA607	Core Paper 7: Artificial Intelligence and its Applications	Nil
	25UDA6CR	Core Practical 7: Artificial Intelligence and Machine Learning Lab	Nil
VI	25UDA608	Core Paper 8: Machine Learning	Nil
	25UDA6CS	Core Practical 8: Data Visualization Lab	Nil
	25UDA6Z1	Project*** ~	Nil
	25UBI6S3	Skill Based Subject 3- Basics of IPR	Nil
Major Elective	25UDA5E1/25UDA6E2	Major Elective I /II - Internet of Things	Nil
	25UDA5E1/25UDA6E2	Major Elective I /II - Software Testing and Quality assurance	Nil
	25UDA5E1/25UDA6E2	Major Elective I /II - Cloud Computing Fundamentals	Nil
	25UDA5E1/25UDA6E2	Major Elective I /II - Digital Forensics	Nil
	25UDA5E1/25UDA6E2	Major Elective I /II - Natural Language Processing	Nil
	25UDA5E1/25UDA6E2	Major Elective I /II - Deep Learning	Nil
	25UDA5E1/25UDA6E2	Major Elective I /II - Data Warehousing and Data Mining	Nil
	25UDA5E1/25UDA6E2	Major Elective I /II - Cryptography and Information Security	Nil

Item 2: Minor Changes and Modifications/Revisions made for 2025 batch.

Sem.	Subject Code	Title of the Paper	Changes Made
II	*24UDA202	Core paper 2: "Object-Oriented Programming in C++"	<ul style="list-style-type: none"> This paper is removed and replaced with "Object-Oriented Programming in Java"(25UDA202)
II	*24UDA2CM	Core Practical 2: "Object-Oriented Programming in C++ Lab"	<ul style="list-style-type: none"> This practical is removed and replaced with "Object-Oriented Programming in Java Lab"(25UDA2CM)
III	25UDA2CM	Core Practical 2 - Object Oriented Programming in Java Lab	<ul style="list-style-type: none"> Program No.7 has been replaced from Write a Java Program to perform Single Inheritance to Write a Java Program to perform Inheritance.
IV	25UDA303	Core Paper 3 - Python Programming	<ul style="list-style-type: none"> The topic Computer Hardware Architecture and Overview of programming languages has been removed and new topic Debugging and its Types has been introduced in Unit I. In Unit V, The Topic Python modules is replaced with Various Opensource Libraries and new topic seaborn is introduced.
IV	25UDA3CN	Core Practical 3: Python Programming Lab	<p>The Following Programs are added:</p> <ul style="list-style-type: none"> Develop programs using dictionary in python Develop programs using Tuple in python Develop a program to implement slicing concept in List.
IV	25UDA404	Core Paper 4: "Fundamentals of Data Analytics"	<ul style="list-style-type: none"> Allied paper 3:"Fundamentals of Data Analytics" in 3rd semester has been upgraded to Core Paper 4: "Fundamentals of Data Analytics" in 4th Semester. Furthermore, "Distributed Operating System" has been introduced as Allied Paper 3. (25UDA3A3)
IV	25UDA4CO	Core Practical 4: "Data Analytics Lab"	<ul style="list-style-type: none"> Introduced a new practical "Data Analytics Lab" in 4th semester.
V	25UDA505	Core Paper 5- R Programming	<ul style="list-style-type: none"> Unit I and II has been merged as Unit I. Unit III, IV and V has been moved as Unit II, III and IV respectively. New Topics (Advanced Data Processing Techniques – Advanced

			Data Visualization – Introduction to Basic Machine Learning Concepts in R – Model Validation – Regression and Classification Basics – Simulation Techniques and Optimization in R – Enhancements in Data Modeling - Ensemble Methods- Model Diagnostics – Integrating R with Big Data Tools) has been introduced in Unit – V.
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*As per the recommendations of the Industry Personnel Core paper 2: "Object-Oriented Programming in C++" (24UDA202) and Core Practical 2: "Object-Oriented Programming in C++ Laboratory" (24UDA2CM), these have been removed and replaced with "Object-Oriented Programming in Java"(25UDA202) and "Object-Oriented Programming in Java Lab"(25UDA2CM) in the II semester. Consequently, the IV semester Core Paper 4: "Python Programming" and Core Practical 4: "Python Programming Lab" have been moved to the III semester as Core Paper 3: "Python Programming" and Core Practical 3: "Python Programming Lab"

Item 3: To suggest the panel of experts for question paper setting and panel of examiners. The members of the Board of studies in Computer Science with Data Analytics resolved unanimously to authorise the chairperson Dr. L. Kathirvelkumaran to submit the list of examiner panel for Question paper setting, Evaluation and Practical examinations.

Item 4: The students should complete any MOOC course available for Online learning platforms like SWAYAM, NPTEL, Coursera, IIT Bombay Spoken Tutorial, e-Pathshala etc., with a minimum of 4 weeks in duration before the completion of the 5th semester and the course completion certificate should be submitted through the HoD to the Controller of Examinations. Extra credits will be given to the candidates who have successfully completed.

Note: For 2025 – 2026, One course to be taken from coursera for all the under graduate students during the even semester of the first year.



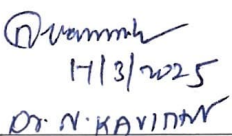
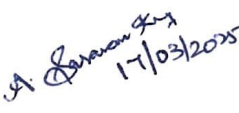
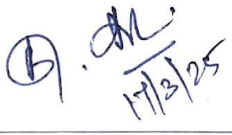
For 2024 – 2025, One course to be taken from coursera for all the under graduate students during the odd semester of the second year.

For 2023 – 2024, One course to be taken from coursera for all the under graduate students either during the odd or even semester of the third year. Appropriate extra credits and certification as applicable shall be awarded to the students who have completed the course.

Item 5: Other academic activities in the Department:

The Members appreciated the content of the syllabus and choice of the courses that are provided to the students which shall enhance their skills and core domain knowledge. Also, the members suggested to include the new edition of books to all the subjects.

Signature of the Board Members:

S.No	Name	Designation	Signature
1.	Dr. L.Kathirvelkumaran Chairperson	Assistant Professor & Head, Department of CS with DA, Kongunadu Arts and Science College, Coimbatore - 641029.	 17/03/25
2.	Dr. V.Krishnapriya University Nominee	Associate Professor & Head, Department of Computer Science with Cognitive Science, Sri Ramakrishna Arts and Science College, Coimbatore Phone: 9865064111	 17/3/25
3.	Dr. C. Arunkumar Subject Expert	Assistant Professor (SG)- CSE Department of Computer Science and Engineering, Amrita School of Computing, Amrita Nagar (PO), Coimbatore- 641112 Mobile: 9965055500/ 9344428702	ABSENT.
4.	Dr. N. Kavitha Subject Expert	Professor, School of Computer Science and Applications, REVA University, Bangalore, Phone: 7358970841.	 17/3/2025 Dr. N. KAVITHA
5.	Mr. A. Saravanakumar Industry Personnel/Expert	Tech Lead, Wipro Technologies, Sarjapura Road, Bangalore, Phone: 8861102382	 17/03/2025
6.	R.Kaviya, Alumni	AMG Insights Innovations pvt ltd. 6/82/R, Edayarpalayam Main Road, Pappampatty, Edayarpalayam, Coimbatore, Coimbatore South, Tamil Nadu. Phone: 9363497300.	ABSENT.
7.	Mrs. B. Praveena Member	Assistant Professor, Department of CS with DA, Kongunadu Arts and Science College, Coimbatore - 641029.	 17/3/25

8.	Mrs. P. Indumathi Member	Assistant Professor, Department of CS with DA, Kongunadu Arts and Science College, Coimbatore - 641029.	<i>PL</i> 17/3/25
9.	Mrs. P. Sumitha Member	Assistant Professor, Department of CS with DA, Kongunadu Arts and Science College, Coimbatore - 641029.	<i>P</i> 17/03/25
10.	Dr.S. Velmurugan Member	Assistant Professor, Department of CS with DA, Kongunadu Arts and Science College, Coimbatore - 641029.	<i>[Signature]</i> 17/3/25



[Signature] 18/3/25

PRINCIPAL
Kongunadu Arts & Science College
Coimbatore - 641 029

[Signature]
17/03/2025
Signature of the Chairman of the Board

Dr. L. KATHIRVELKUMARAN
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