

Kongunadu Arts and Science College (Autonomous)
Coimbatore 641029

Department of Computer Science with Data Analytics

Minutes of the Board of Studies:

The First Board of Studies meeting was held on 19-03-2022 at 10.00 am through MS Teams. The Chairman welcomed and outlined the new course content for the board approval. He introduced the member of the board; as this board is newly constituted board for a period of three years

Preamble:

The Chairman Dr. L. Kathirvelkumaran gave an introduction on the revisions and inclusions made in the syllabi for the students admitted in the academic year 2021 – 2022. He informed that it is necessary to follow the Scheme of Examination as per the regulations of the UGC and TANSICHE. From the current year, based on the recommendations of our Curriculum Development Cell (CDC), it is decided to introduce Cyber Security for all Undergraduate programmes. Further, the Extra Department Course offered by the department is made 100 %CIA.

The Chairman appraised the board members that a structured process was followed for deciding the choice of courses and its contents based on inputs like list of books, other university syllabi from INDIA and abroad and opinion from industry personnel.

Adequate care has been taken to include local issues and problems, case studies, group activities, extra hands-on exposure, group discussions, report preparation etc. in every course wherever possible. This shall contribute to upskilling and reskilling of the graduates.

Item 1. To consider revision in the Curriculum, Scheme of Examination and Syllabi of UG Programme

As per the suggestions and recommendations given by the various Stakeholders on the above item discussed, the existing/revised the Scheme of Curriculum / Scheme of Examination / Syllabi and Panel of Examiners are to be followed is annexed here with for the implementation from the commencement of the Academic year 2022 – 2023.

The members after careful scrutiny of the changes to be made unanimously accorded approval for the proposed changes/modifications and resolved to approve the implementation of the revised syllabi from the academic year 2022-2023 for under graduate programme in Computer Science with Data Analytics. Further, the board resolved to approve the modifications/inclusion made in the scheme of examination and curricula adopted for the students admitted in the academic year 2021-2022. 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.

(Applicable to the students admitted during the Academic Year 2021-2022)			
Sem.	Course code	Name of the Course	Changes made
I	21UDA101	Core Paper 1 - Programming in C	Bharathiar University Syllabi
	21UDA1CL	Core Practical 1 – Programming Lab C	Bharathiar University Syllabi
	21UDA102	Core Paper 2 : Data Structures	Bharathiar University Syllabi
II	21UDA203	Core Paper 3 - Programming in C ++	Bharathiar University Syllabi
	21UDA2CM	Core Practical 2 : Programming Lab- C ++	Bharathiar University Syllabi
	21UDA2CN	Core Practical 3 : Internet Basics Lab	Bharathiar University Syllabi
III	21UDA304	Core Paper 4 - Object Oriented Programming in Java	New Syllabi
	21UDA3CO	Core Practical 4 - Object Oriented Programming in Java Programming Laboratory	New Syllabi
	21UDA3CP	Core Practical 5:Data Manipulation Using Advanced Excel Laboratory	New Syllabi
	21UDA305	Core Paper 5 – Big Data Science and Data Analytics	New Syllabi
	21UDA3A3	Allied Paper 3 - Text and Predictive Analytics	New Syllabi
	21UGC3S1	Skill Based subject 1- Cyber Security	New Syllabi
IV	21UDA406	Core Paper 6 - Python Programming	New Syllabi
	21UDA4CQ	Core Practical 6 - Python Programming Laboratory	New Syllabi
	21UDA407	Core Paper 7 - Relational Database Management Systems	New Syllabi
	21UDA4CR	Core Practical 7- Relational Database Management Systems Laboratory	New Syllabi
	21UDA4A4	Allied Paper 4 - Web and Social Network Analytics	New Syllabi
	21UDA4SL	Skill Based subject 2- Web Design Lab	New Syllabi
V	21UDA508	Core Paper 8 - R Programming	New Syllabi
	21UDA5CS	Core Practical 8- R Programming Laboratory	New Syllabi
	21UDA509	Core Paper 9 - Design and Analysis of Algorithms	New Syllabi
	22UDA510	Core Paper 10 - Database Design And Management	New Syllabi
	21UDA5E1	Major Elective 1 -	New Syllabi
	21UDA5IT	Internship Training ****	New Syllabi
VI	21UDA611	Core Paper 11 - Artificial Intelligence	New Syllabi

		and Its Applications	
	21UDA6CT	Core Practical 09- Artificial Intelligence and Machine Learning Lab	New Syllabi
	21UDA612	Core Paper 12 - Machine Learning	New Syllabi
	21UDA6E2	Major Elective II -	New Syllabi
	21UDA6Z1	Project and Viva voce	New Syllabi
	21UDA6SM	Skill Based Subject 3- Ethical Hacking	New Syllabi
Major Elective	21UDA5E1/ 21UDA6E2	1. Internet of Things 2. Software Testing and Quality Assurance 3. Cloud Computing Fundamentals 4. Digital Forensics 5. Natural Language Processing 6. Deep Learning	New Syllabi
EDC		Internet Basics and Advanced Excel Laboratory	New Syllabi

(Applicable to the students admitted during the Academic Year 2022-2023)			
Sem.	Course code	Name of the Course	Changes made
I	22UDA101	Core Paper 1 - Programming for Problem Solving using C	New Syllabi
	22UDA1CL	Core Practical 1 - Programming for Problem Solving using C Laboratory	New Syllabi
II	22UDA202	Core Paper 2 - Object Oriented Programming in C ++	New Syllabi
	22UDA2CM	Core Practical 2 : Object Oriented Programming in C ++ Laboratory	New Syllabi
III	22UDA303	Core Paper 3 - Object Oriented Programming in Java	New Syllabi
	22UDA3CN	Core Practical 3 - Object Oriented Programming in Java Programming Laboratory	New Syllabi
	22UDA304	Core Paper 4 – Big Data Science and Data Analytics	New Syllabi
	22UDA305	Core Paper 5 - Data Warehousing and Data Mining	New Syllabi
	22UDA3A3	Allied Paper 3 - Text and Predictive Analytics	New Syllabi
	22UGC3S1	Skill Based subject 1- Cyber Security	New Syllabi
IV	22UDA406	Core Paper 6 - Python Programming	New Syllabi
	22UDA4CO	Core Practical 4 - Python Programming Laboratory	New Syllabi
	22UDA407	Core Paper 7 - Relational Database Management Systems	New Syllabi

	22UDA4CP	Core Paper 8 - Relational Database Management Systems Laboratory	New Syllabi
	22UDA4A4	Allied Paper 4 - Web and Social Network Analytics	New Syllabi
	22UDA4SL	Skill Based subject 2- Internet Basics Laboratory	New Syllabi
V	22UDA508	Core Paper 8 - R Programming	New Syllabi
	22UDA5CQ	Core Practical 5 - R Programming Laboratory	New Syllabi
	22UDA509	Core Paper 09 - Cryptography and Information Security	New Syllabi
	22UDA510	Core Paper 10 - Design and Analysis of Algorithms	New Syllabi
	22UDA5E1	Major Elective 1 -	New Syllabi
	22UDA5IT	Internship Training	New Syllabi
	VI	22UDA611	Core Paper 11 - Artificial Intelligence and Its Applications
22UDA6CR		Core Practical 7 - Artificial Intelligence and Machine Learning Lab	New Syllabi
22UDA612		Core Paper 12 - Machine Learning	New Syllabi
22UDA613		Core Paper 13 – Database Design And Management	New Syllabi
22UDA6E2		Major Elective II -	New Syllabi
22UDA6Z1		Project and Viva voce	New Syllabi
22UDA6SM		Skill Based Subject 3- Data Manipulation Using Advanced Excel Laboratory	New Syllabi
Major Elective	22UDA5E1/ 22UDA6E2	1. Internet of Things 2. Software Testing and Quality Assurance 3. Cloud Computing Fundamentals 4. Digital Forensics 5. Natural Language Processing 6. Deep Learning	New Syllabi
EDC		Internet Basics and Advanced Excel Laboratory	New Syllabi

Item 2: Ratification Item of the Scheme of Examinations (50 CIA and 50 ESE) implemented for the students admitted from the Academic Year 2021-2022.

The Board resolved to ratify the implementation of the Scheme of Examination in the 50% CIA and 50% ESE model as suggested and approved by the CDC of the institution for the students admitted in the Academic Year 2021- 2022.

Item 3: To suggest the panel of names for appointment 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. Other academic activities in the department.

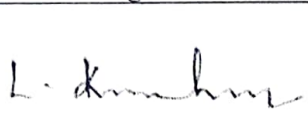

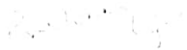

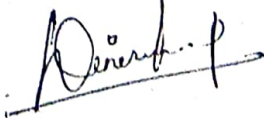
The board suggested constituting for Programmers Club for continuous quality improvements.

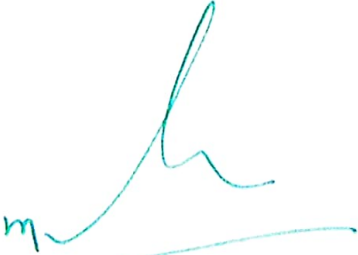
The board suggested to guide the students for opting the right kind of online course (SWAYAM/MOOC/ect..) and provide appropriate mentoring support.


Item 5. Any Other:

The Members unanimously appreciated the content of the syllabus and choice of the paper that are provided to the students.

Signature of the Board Members

S.No.	Name	Designation	Signature
1	Dr. L. Kathirvelkumaran Chairman of the Board	Assistant Professor & Head, Computer Science with Data Analytics , Kongunadu Arts and Science College, Coimbatore-29	
2	Dr. R. Vadivel University Nominee	Assistant Professor, Department of Information Technology, School of CSE, Bharathiar University	
3	Dr. Prashant R. Nair Subject Expert	Associate Professor, Department of Computer Science & Engineering, Amrita Vishwa Vidyapeetham, Amrita Nagar PO, Coimbatore- 641112	
4	Dr. A. Saravanan Subject Expert	Associate Professor, Department of Computing, Coimbatore Institute of Technology, Coimbatore	
5	Dinesh Paranthagan Industry Personnel	Founder and CEO, Hackup Technology Private Limited 14 A, Sivanandhapuram, Saravanampatti Post, Coimbatore -641035	


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Signature of the Chairman of the Board ^{19/03/22}
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