KONGU ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

ERODE – 638 107

Department of Computer Science(UG)

KONGU ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

Nanjanapuram, Erode – 638 107.

DEPARTMENT OF COMPUTER SCIENCE (UG)

BOARD OF STUDIES MEETING

AGENDA

Date: 15.07.2020

1. To consider and approve the syllabi for the students admitted during the Academic year 2018-2019 and 2019-2020 and onwards

2. To consider and approve the syllabi of III and IV Semesters Non-Major Elective Courses for other UG Students admitted during the academic year 2019-2020 and onwards.

3. To consider and approve the Panel of Examiners.

4. To consider and discuss any other subject with the permission of the Chair

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Affiliated to Bharathiar University, Coimbatore
Approved by UGC, AICTE, New Delhi & Re accredited by NAAC, DBT STAR College
(An ISO 9001: 2015 Certified Institution)
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The meeting of the Board of Studies in Computer Science (UG) was conducted on

15.07.2020 at 10.00 a.m. in online mode through Zoom Cloud application.

The following members were present:

Chairman   : Mr. P.Ramesh

                 Head of the Department

Members   :

1.	Dr. V.Krishnaveni	Member, Senior Faculty
2.	Dr. K.G.Santhiya	Member, Senior Faculty
3.	Dr.M.Sumathi	Subject Expert
4.	Dr.S.MeenakshiSundaram	Subject Expert
5.	Dr.R.Kannan	Member – University Nominee
6.	Mr.S.Santhosh Kumar	Industrial Expert
7.	Mr.J.Murali Krishna	Member – Alumni

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8.	Ms. P.Thenmozhi	Faculty Member
9.	Ms.M.S.Kokila	Faculty Member
10.	Mr. P.Ilayaragu	Faculty Member
11.	Mr.S.Sivaraja	Faculty Member
12.	Ms. S.Geetha	Faculty Member
13.	Mr.S.Jaganathan	Faculty Member
14.	Dr.R.Pushpalatha	Faculty Member
15.	Ms.K.Gomathy	Faculty Member
16.	Mr. A.R.Karthekeyan	Faculty Member
17.	Ms. R.Saveetha	Faculty Member
18.	Ms.S.Gowthami	Faculty Member
19.	Mr.M.Chandru	Faculty Member

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Subject related to CBCS, Outcome based Syllabus, Advanced Learners Course and Attendance Marks in CIA were discussed and the following are the resolutions:

1. It is resolved to approve there is no change in the syllabi of I and II Semesters for B.Sc. Computer Science students admitted during the academic year 2020-2021 and onwards be approved.

2. It is resolved to approve there is no change in the syllabi of III and IV Semesters Non-major Elective Courses for other UG students admitted during the academic year 2019- 2020 and onwards be approved.

3. It is resolved to approve there is a modification in the syllabi of III & IV Semesters for B.Sc. Computer Science students admitted during the academic year 2019-2020 and onwards be approved. (Annexure a & b)

4. It is resolved to approve there is a modification in the syllabi of V and VI Semesters for B.Sc. Computer Science students admitted during the academic year 2018-2019 and onwards be approved. (Annexure a & b)

5. It is resolved to approve there is a modification in the syllabi of IV &V Semester Advanced Learners Course for B.Sc. Computer Science students admitted during the academic year 2019-2020 & 2018-2019 and onwards be approved. (Annexure a & b)

6. It is resolved to approve there is a modification in the syllabi of III &IV Semester Non-Major Elective for B.A. Tamil students admitted during the academic year 2019-2020 and onwards be approved.

7. It is resolved to approve the curriculum and syllabi of I & II Semester for M.Sc. Computer Science students admitted during the academic year 2020-2021 and onwards be approved.

8. It is resolved to approve the curriculum and syllabi of I & II Semester for P.G.D.C.A. students admitted during the academic year 2020-2021 and onwards be approved.

9. It is resolved to adopt the newly framed Scheme of Examination and distribution of credits as well as marks for M.Sc. Computer Science and P.G.D.C.A.

10. It is resolved to follow the Regulations of Bharathiar University for Attendance norms, Evaluation of answer scripts, Revaluation, Retotalling and Improvement.

11. It is resolved to follow the Credit System in evaluating Cumulative Average Grade and Weighted Average of marks while issuing Consolidated Mark sheet.

12. Additional name for the panel of Question Paper Setters and Examiners be approved.

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Details of modifications in the Courses offered under the Programme

B.Sc. Computer Science

The modifications are done in the Syllabi of III, IV, V and VI Semesters for the B.Sc. Computer Science students by the inclusion of some new topics in the curriculum based on the feedback obtained front Stakeholders and recommendations of the BOS Panel Members.

Non-Major Elective for B.A. Tamil Literature students are introduced as follows

- NME I: Programming Lab: Office Automation & Application (19UAKNP307)
- NME II: Programming Lab-Web Development (19UAKNP407)

The adopted modifications are given in **Annexure b**

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Details of Modifications with specific topics in the syllabus with % revision
B.Sc Computer Science

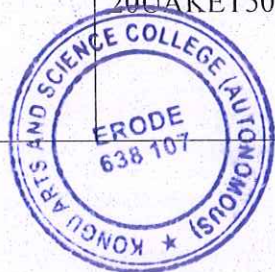| S.No	Course Name	Course Code	Topics Introduced	Topics removed	% Revision
1.	Core 5: Operating Systems	19UAKCT301	**Unit I:** Definition of Process **Unit IV:** Fair Share Scheduling	NIL	10%
2.	Core 6: Java Programming	19UAKCT302	**Unit I:** Java API Packages – Using System Packages – Naming Conventions – Creating, Accessing a Package. **Unit V:** User Interface Components with Swing	NIL	25%
3.	Core Lab 3: Programming Lab - Java	19UAKCP303	• Program to copy characters from one file to another file. • Program to draw several shapes in the created windows using Swing • Draw a human face using Swing • Write a Java Program to build a Simple Calculator using NetBeans.	• Program to extract a portion of string • Program to check Armstrong number • Program to read and write in file • Program to append a text to existing file	40%
4.	Skill Based Course 1 (Lab): Multimedia Lab	19UAKSP305	• Design a Banner for an event of your College. • Animate a Ball using Motion Guide • Create an audio advertisement for a product. • Create a video tutorial for a concept.	• Design an invitation for our college	30%
5.	NME I: Internet Principles	19UAKNT306	**Unit IV:** Psudo – Internet Address	NIL	10%

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6.	Core 7: Software Engineering	19UAKCT401	**Unit I:** Component Based Development **Unit II:** Behavioral Modeling **Unit III:** Automated Estimation Tools.	NIL	10%
7.	Core 8: Web Programming	19UAKCT402	**Unit III:** Forms used by a website: The Form object Other Built-in objects in JavaScript User Defined Objects.	NIL	20%
7.	Skill based Course 2 (Lab): Software Development - CASE Tools Lab	19UAKSP405	• Create a UML model for Quiz System. • Create a UML model for Employee Payroll system. • Create a UML model for a Course Registration System.	NIL	30%
8.	NME II: Information Security and Cyber Law	19UAKNT406	**Unit II:** Network and Network Security	NIL	5%
9.	Advanced Learners Course I(A): Software Testing	19UAKAL409	**Unit V:** Usability and Accessibility Testing: Approach to Usability Quality factors for usability Accessibility Testing.	NIL	10%
10.	Advanced Learners Course I(B) : UNIX Programming	19UAKAL408	**Unit IV:** Ports: The Port Name Space The Port Data Structure Port Translations. **Unit V:** File Systems Logical Disks	NIL	20%
11.	Core 9:Computer Networks	20UAKCT501	**Unit III:** The Bluetooth Radio Layer. **Unit IV:** Connection Establishment Connection Release Unit V: The DNS Name Space	NIL	10%

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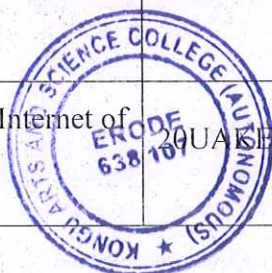|					
12.	Core 10:Visual Programming-Visual Basic	20UAKCT502	**Unit IV:** Executing and Debugging New Project: Error Handlers **Unit V:** Data Files: Data File Characteristics – Accessing and Saving a file in VB	NIL	15%
13.	Core 11:RelationalDatabase Management System	20UAKCT503	**Unit II:** Adding a New Column to an existing Table - Modifying an Existing Column - Adding a constraint - Dropping a Column - Dropping a Constraint **Unit III:** Subquery: Single row subquery **Unit IV:** SELECT . . . FOR UPDATE Cursor	NIL	15%
14.	Core Lab 5:Programming Lab-Visual Basic & Oracle	20UAKCP504	• Write a simple VB program to develop a calculator with basic operation.	• Write a simple VB program to perform string operations based on the user choice	10%
15.	Elective I: Computer Graphics	20UAKET505	**Unit II:** Curve Attributes **Unit III:** Transformations Between Coordinate Systems **Unit V:** Curved – surface Representations-Surface Contour Plots	NIL	10%
16.	Elective I: Cloud Computing	20UAKET506	**Unit IV:** Testing under Cloud – Information Security. **Unit V:** Cost Management Considerations	NIL	10%

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17.	Elective I: Distributed Systems	20UAKET507	**Unit II:** Support for Continuous Media- Streams and Quality of Service- Stream Synchronization **Unit IV:** Traditional Election Algorithms -Elections in Wireless Environments - Elections in Large- Scale Systems **Unit V:** Two-Phase Commit - Three-Phase Commit	NIL	20%
18.	Skill Based Course3(Lab): Networking Lab	20UAKSP508	• Write a java program to implement Remote Command Execution. • Write a java program to download a image from client to server. • Write a java program to implement the ping programming.	NIL	30%
19.	Core 12:DOT NET Programming	20UAKCT601	**Unit IV:** Creating a Command Object	NIL	5%
20.	Core Lab 6: Programming Lab-C# &ASP.Net	20UAKCP602	• Write a program in C# Sharp to check whether a given String is Palindrome or not using recursion. • Create a Web Page for the Railway Ticket Reservation System using ASP.Net controls.	• Create an application for student information system using database connectivity	20%

21.	Elective-II: Web Technology	20UAKET603	**Unit I:** Local login Remote login and TELNET A Technical perspective TELNET as an alternative to a web browser **Unit II:** HTML code for FORMS – Form elements **Unit III:** Java Server Pages: Life cycle of a JSP – JSP Example **Unit V:** Elements and attributes Document type definitions(DTD) – XML Parsers: A detailed look The sequential Approach(SAX) The Tree Approach - Extensible Style sheet Language(XSL)	NIL	30%
22.	Elective-II: Mobile Computing	20UAKET604	**Unit I:** Three-tier Architecture: Presentation – Application Data **Unit II:** Multiple Access Procedures: Frequency Division Multiple Access-TDMA variance- Code Division Multiple Access-Space Division Multiple Access **Unit III:** Bluetooth: Bluetooth Protocol Bluetooth Protocol Stack **Unit IV:** Short Message Service (SMS): Strengths of SMS - SMS Architecture	NIL	30%
22.	Elective-II: Internet of Things	20UAKET605	**Unit V:** Asset Management- e-Maintenance in the M2M Era	NIL	10%

23.	Elective-III: Artificial Intelligence and Expert Systems	20UAKET606	**Unit IV:** Forward versus Backward Reasoning	NIL	10%
24.	Elective-III: Data Mining	20UAKET607	**Unit II:** Activation Functions **Unit III:** CART Sampling Algorithm **Unit V:** Harvest System	NIL	10%
25.	Elective-III: Cryptography and Network Security	20UAKET608	**Unit III:** Elliptic Curve Arithmetic: Abelian Groups	NIL	10%
26.	Skill Based Course 4 (Lab): Software Testing Lab	20UAKSP610	• Write a C program to find the sum of individual digits and test the program with test cases. • Write a C program to accept the students name,5 subject marks and declare result as pass if the students gets minimum 40 in each and test the program with test cases. • Write a C++ program for palindrome string checking using pointers and test the program with test cases.	NIL	30%
27.	Advanced Learners Course II: Software Project Management	20UAKAL509	**Unit I:** Stakeholders Identify Project Scope and Objectives - Identify Project Infrastructure - Analyze Project Characteristics **Unit II:** Identify Activity Risks **Unit III :** Where are Estimates Done? - Problems With Over and Under Estimates **Unit IV:** Critical Chain Concepts.	**Unit I :** Importance of SPM **Unit II:** Estimate Effort for each activity – identify activity risk **Unit III:** Project management control **Unit V:** Staffing in software projects	50%

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| 28. | Advanced Learners Course II: Linux Programming | 20UAKAL510 | Unit III: Formatted Input and Output: printf, fprintf, and sprint-scanf, fscanf, and sscanf

Unit IV: Starting New Processes | NIL | 10% |

In overall, there had been a 17 % of revision in the syllabus of the B. Sc., Computer Science programme.

All the above resolutions are approved

1. P. RAMESH P. M 15/7/2020
2. P [V. KRISHNAVENI] 15/7/2020
3. Dr. G. SANTHIYA K.G.S 15/7/2020
4. P. 15/7/2020 [P. THEVMOZHI]
5. M.S. KOKILA - Kokila 15/7/2020
6. P. [P. ILAYARAJA] 15/7/2020
7. S. Sivaraja 15/7/2020
8. M. GEETHA M. 15/7/2020
9. S. JAGANATHAN S. Jaganathan 15/7/2020
10. Dr. R. Pushpalatha R. Pushpalatha 15/7/2020
11. K GOMATHY 15/7/2020
12. A.R. KARTHIGEYAN A.R. 15/7/20
13. S. GOWTHAM2 S. 15.7.2020
14. R. SAVEETHA R. 15/7/2020
15. Dr. K. PRABHA K. Prabha 15.7.2020
16. M. CHANDRU M. 15/7/20
17. S. VIDHYA 15/7/2020

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