



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

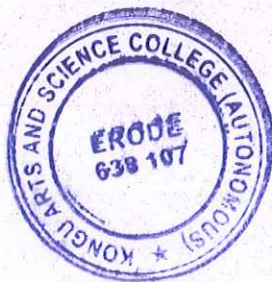
Members :


- | | |
|---------------------------|-----------------------------|
| 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 from 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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Annexure b

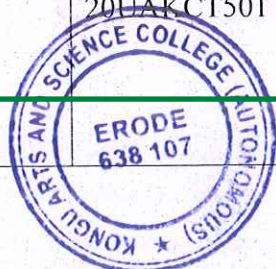
Details of Modifications with specific topics in the syllabus with % revision
B.Sc Computer Science


| 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 | <ul style="list-style-type: none"> 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. | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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. | <ul style="list-style-type: none"> Design an invitation for our college | 30% |
| 5. | NME I: Internet Principles | 19UAKNT306 | Unit IV: Pseudo – Internet Address | NIL | 10% |



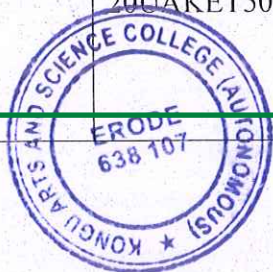
NIL
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|-----|---|------------|--|-----|-----|
| 6. | Core 7: Software Engineering | 19UAKCT401 | <p>Unit I: Component Based Development</p> <p>Unit II: Behavioral Modeling</p> <p>Unit III: Automated Estimation Tools.</p> | NIL | 10% |
| 7. | Core 8: Web Programming | 19UAKCT402 | <p>Unit III: Forms used by a website: The Form object</p> <p>Other Built-in objects in JavaScript</p> <p>User Defined Objects.</p> | NIL | 20% |
| 7. | Skill based Course 2 (Lab): Software Development - CASE Tools Lab | 19UAKSP405 | <ul style="list-style-type: none"> • 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 | <p>Unit IV: Ports: The Port Name Space</p> <p>The Port Data Structure</p> <p>Port Translations.</p> <p>Unit V: File Systems</p> <p>Logical Disks</p> | NIL | 20% |
| 11. | Core 9: Computer Networks | 20UAKCT501 | <p>Unit III: The Bluetooth Radio Layer.</p> <p>Unit IV: Connection Establishment</p> <p>Connection Release</p> <p>Unit V: The DNS Name Space</p> | NIL | 10% |




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| 12. | Core 10: Visual Programming- Visual Basic | 20UAKCT502 | <p>Unit IV: Executing and Debugging New Project: Error Handlers</p> <p>Unit V: Data Files: Data File Characteristics – Accessing and Saving a file in VB</p> | NIL | 15% |
| 13. | Core 11: Relational Database Management System | 20UAKCT503 | <p>Unit II: Adding a New Column to an existing Table - Modifying an Existing Column - Adding a constraint - Dropping a Column - Dropping a Constraint</p> <p>Unit III: Subquery: Single row subquery</p> <p>Unit IV: SELECT . . . FOR UPDATE Cursor</p> | NIL | 15% |
| 14. | Core Lab 5: Programming Lab- Visual Basic & Oracle | 20UAKCP504 | <ul style="list-style-type: none"> • Write a simple VB program to develop a calculator with basic operation. | <ul style="list-style-type: none"> • Write a simple VB program to perform string operations based on the user choice | 10% |
| 15. | Elective I: Computer Graphics | 20UAKET505 | <p>Unit II: Curve Attributes</p> <p>Unit III: Transformations Between Coordinate Systems</p> <p>Unit V: Curved – surface Representations- Surface Contour Plots</p> | NIL | 10% |
| 16. | Elective I: Cloud Computing | 20UAKET506 | <p>Unit IV: Testing under Cloud – Information Security.</p> <p>Unit V: Cost Management Considerations</p> | NIL | 10% |



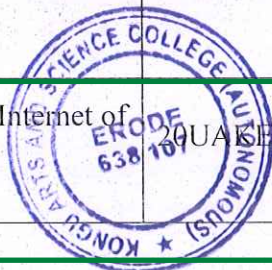
NIL 
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|-----|--|------------|--|--|-----|
| 17. | Elective I: Distributed Systems | 20UAKET507 | <p>Unit II: Support for Continuous Media-Streams and Quality of Service- Stream Synchronization</p> <p>Unit IV: Traditional Election Algorithms -Elections in Wireless Environments - Elections in Large-Scale Systems</p> <p>Unit V: Two-Phase Commit - Three-Phase Commit</p> | NIL | 20% |
| 18. | Skill Based Course3(Lab): Networking Lab | 20UAKSP508 | <ul style="list-style-type: none"> • 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 | <p>Unit IV: Creating a Command Object</p> | NIL | 5% |
| 20. | Core Lab 6: Programming Lab-C# &ASP.Net | 20UAKCP602 | <ul style="list-style-type: none"> • 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. | <ul style="list-style-type: none"> • Create an application for student information system using database connectivity | 20% |



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| 21. | Elective-II: Web Technology | 20UAKET603 | <p>Unit I: Local login Remote login and TELNET A Technical perspective TELNET as an alternative to a web browser</p> <p>Unit II: HTML code for FORMS – Form elements</p> <p>Unit III: Java Server Pages: Life cycle of a JSP – JSP Example</p> <p>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)</p> | NIL | 30% |
| 22. | Elective-II: Mobile Computing | 20UAKET604 | <p>Unit I: Three-tier Architecture: Presentation – Application Data</p> <p>Unit II: Multiple Access Procedures: Frequency Division Multiple Access- TDMA variance- Code Division Multiple Access-Space Division Multiple Access</p> <p>Unit III: Bluetooth: Bluetooth Protocol Bluetooth Protocol Stack</p> <p>Unit IV: Short Message Service (SMS): Strengths of SMS - SMS Architecture</p> | NIL | 30% |
| 22. | Elective-II: Internet of Things | 20UAKET605 | <p>Unit V: Asset Management- e-Maintenance in the M2M Era</p> | NIL | 10% |




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| 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 | <ul style="list-style-type: none"> • 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 sprintf-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.



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All the above resolutions are approved

1. P. RAMESH P. M
15/7/2020
2. P. G [V. KRISHNAVENI]
15/7/2020
3. K. G. SANTHIYA K. G. S
15/7/2020
4. P. (The) 15/7/2020 (P. THEVMOZHI)
5. M. S. KOKILA - Kokila
15/7/2020
6. P. (The) (P. ILAYARAJU)
15/7/2020
7. S. Sivareja S. Sivareja
15/7/2020
8. M. GEETHA M. Geetha
15/7/2020
9. S. JAGANATHAN S. Jaganathan
15/7/2020
10. R. Pushpalatha R. Pushpalatha
15/7/2020
11. K. GOMATHY K. Gomathy
15/7/2020
12. A. R. KARASHEGIAN A. R. Karashegian
15/7/2020
13. S. GOVATHAMZ S. Govathamz
15/7/2020
14. R. SAVEETHA R. Saveetha
15/7/2020
15. Dr. K. PRABHA K. Prabha
15-7-2020
16. M. CHANDRU M. Chandru
15/7/20
17. S. VIDHYA S. Vidhya
15/7/2020



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