



KONGU ARTS AND SCIENCE COLLEGE

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

ERODE – 638 107

Department of Computer Science(UG)



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

Nanjanapuram, Erode – 638 107



DEPARTMENT OF COMPUTER SCIENCE (UG)

BOARD OF STUDIES MEETING

AGENDA

DATE: 30.03.2019

1. To consider and approve the syllabi for V and VI semester for the students admitted during the academic year 2017 – 2018 and onwards.
2. To consider and approve the Extra Credits for the SWAYAM and NPTEL online courses for students who have been 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 subjects 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
30.03.2019 at 10.15 a.m. in the College Campus.

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. E.T.Venkatesh Member, Subject Expert
4. Dr. B.Rosiline Jeetha Member, Subject Expert
5. Dr. D.Ramyachitra Member – University Nominee
6. Ms.Femina Francis Member – Alumni
7. Ms. P.Thenmozhi Faculty Member
8. Mr. P.Ilayaragu Faculty Member
9. Mr.S.Sivaraja Faculty Member
10. Ms. S.Geetha Faculty Member
11. Mr.S.Jaganathan Faculty Member
12. Mr. T.Velumani Faculty Member
13. Dr.R.Pushpalatha Faculty Member
14. Ms.K.Gomathy Faculty Member
15. Ms.R.Sundar Raj Faculty Member
16. Mr. A.R.Karthekeyan Faculty Member
17. Ms. R.Saveetha Faculty Member
18. Mr. D.Gopinath Faculty Member





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Subject related to CBCS, Outcome based Syllabus and Extra Credits were discussed and the following are the resolutions:

1. It is resolved to approve the Scheme of Examination and new Syllabi of I & II Semesters for the B.Sc. Computer Science students admitted during the academic year 2019 – 2020 batch only. **(Annexure a & b)**
2. It is resolved to approve to change the syllabus for the students who have admitted during the academic year 2019 - 2020 batch only.
3. There is no change in the Syllabi of III and IV Semesters for the B.Sc. Computer Science students admitted during the academic year 2018 – 2019 and onwards.
4. It is resolved to approve the Scheme of Examination and new Syllabi of V & VI Semesters for the B.Sc. Computer Science students admitted during the academic year 2017– 2018 and onwards.
5. It is resolved to approve the award of Extra Credits for SWAYAM and NPTEL online courses for students who have been admitted during the academic year 2019-2020 and onwards.
6. It is resolved to approve the Syllabi and Extra credits for Advanced Learners for V Semester for the B.Sc. Computer Science students who have been admitted during the academic year 2017 – 2018 and onwards.
7. It is resolved to approve the additional name for Panel of Members for Question Paper Setting and Central Valuation. **(Annexure –I)**




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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 I, II, 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.

- The following Core Courses are introduced in the II Semester for the B.Sc., Computer Science students admitted during the academic year 2019-2020 and onwards
 - Python Programming (19UAKCT201)
 - Programming Lab - Python (19UAKCP203)
- The Core Paper **Visual Programming-Visual Basic(17UAKCT502)** is introduced in Semester V.
- The Elective Courses are introduced in the V and VI Semesters for the B .Sc., Computer Science students and are as follows:
 - Elective I: Cloud Computing (17UAKET506)
Distributed System (17UAKET507)
 - Elective II: Mobile Computing (17UAKET604)
- Skill Based Course, **Software Testing Lab (17UAKSP610)** is introduced in Semester VI.
- In Semester V, **Linux Programming (17UAKAL510)** is introduced as Advanced Learners Course.

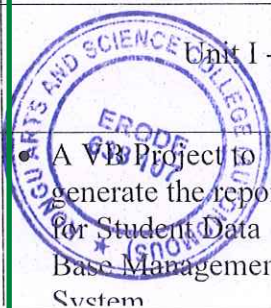
The adopted modifications are given in **Annexure b**




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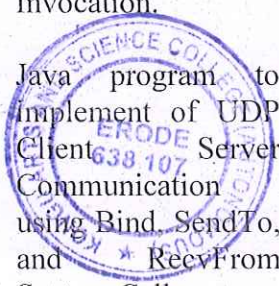
Details of Modifications with specific topics in the syllabus with % revision
B.Sc Computer Science

S.No	Course Name	Course Code	Topics introduced	Topics removed	% Revision
1	Programming in C	19UAKCT101	<p>Unit V: An Introduction to UNIX, Linux and GNU – Programming Linux – Shell Programming : The Shell as a Programming Language – Shell Syntax– Working with Files : Linux File Structure Directories-System Calls and Device Drivers-Library Functions – Low-Level File Access – The Linux Environment</p>	<p>Unit I: Fundamentals of Computers – Introduction- History of Computers – classification of Computers – types of software. Defining Symbolic constants</p>	20%
2	Programming Lab - C with Linux	19UAKCP103	<ul style="list-style-type: none"> • C program to find the factorial of a given number using Recursive function. (Using Linux) • C program to generate patterns by using Symbols and Numbers. (Using Linux) • C program to swap two numbers using pointers. (Using Linux) • C program to copy the content of one file into another file. (Using Linux) 	<ul style="list-style-type: none"> • C Program using Functions a) Call by Value b) Call by reference • C program to print the students mark sheet using structure. 	30%
3	Python Programming	19UAKCT201	Unit I -Unit V introduced		100%
4	Programming Lab - Python	19UAKCP203	Unit I -Unit V introduced		100%
5	Visual Programming- Visual Basic	17UAKCT502	Unit I -Unit V introduced		100%
6	Programming Lab-Visual Basic & Oracle	17UAKCP504	<p>A VB Project to generate the report for Student Data Base Management System</p>	<ul style="list-style-type: none"> • Five Programs related to VC++ 	20%



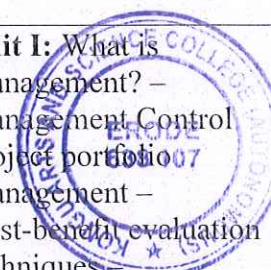
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7	Computer Graphics	17UAKET505	<p>Unit II: Ellipse Generating Algorithms - Attributes of Output Primitives: Line Attributes – Color and Gray scale Levels – Area Fill Attributes – Character Attributes.</p> <p>Unit IV: Point Clipping – Line Clipping – Cohen Sutherland Line Clipping – Polygon Clipping – Sutherland Hodgeman Polygon Clipping – Curve Clipping – Text Clipping Exterior Clipping</p> <p>Unit V: Ray Casting Method – Curved Surfaces – Wireframe Methods – Visibility Detection Functions.</p>	<p>Unit I: Direct view storage tubes Flat panel displays Three dimensional viewing devices</p>	20%
6	Cloud Computing	17UAKET506	Unit I -Unit V introduced		100%
7	Distributed System	17UAKET507	Unit I -Unit V introduced		100%
8	Networking Lab	17UAKSP508	<ul style="list-style-type: none"> • Develop a Client – Server application for chat using java dot net package. • Java program to implement socket programming using java dot net package. • Java program to implement Remote Procedure Call / Remote Method Invocation. • Java program to implement of UDP Client Server Communication using Bind, SendTo, and RecvFrom 	<ul style="list-style-type: none"> • Implementing Shortest path routing • Program to download a file from the server • Program to implement domain name system 	40%



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9	DOT NET Programming	17UAKCT601	Unit II: Visibility Control: Class Visibility Class Members Visibility Multilevel and Hierarchical Inheritance Overriding, Hiding, Abstract & sealed Methods - Polymorphism.	Unit V: Validation Control - ASP.Net Web Services	10%
10	Programming Lab-C# & ASP.Net	17UAKCP602	<ul style="list-style-type: none"> Write an ASP.Net program to compare values in Textboxes using Compare Validator Control. 	<ul style="list-style-type: none"> Create an application for quiz programme using ASP.Net 	10%
11	Mobile Computing	17UAKET604	Unit I -Unit V introduced		100%
12	Artificial Intelligence and Expert Systems	17UAKET606	Unit II: Generate- and-Test - Constraint Satisfaction Resolution Unit III & Unit IV Full	Unit IV: Symbolic Reasoning Non Monotonic Reasoning Implementation Issues Breath First Search Depth First Search Game Playing Minimax search procedure Alpha Beta Cutoffs	45%
11	Cryptography and Network Security	17UAKET608	Unit I: Cryptography Techniques: Introduction Plain Text and Cipher Text Unit III: Pseudo random number generation based on an asymmetric Cipher.	NIL	10%
12	Software Testing Lab	17UAKSP610	Seven Testing Programs are introduced		100%
13	Software Project Management	17UAKAL509	Unit I: What is Management? – Management Control Project portfolio Management – Cost-benefit evaluation techniques Risk evaluation	Unit II: Project Planning: Stepwise planning, identifying infrastructure and risk	40%




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			programme Management – Managing the allocation of resources Unit II: PROJECT PLANNING AND SOFTWARE EFFORT ESTIMATION: Unit III: Project schedules Activities Sequencing and scheduling Network Planning models Unit IV: PROJECT MANAGEMENT AND CONTROL	
14	Linux Programming	17UAKAL510	Unit I -Unit V introduced	100%

In overall, there had been a 25 % of revision in the syllabus of the B. Sc., Computer Science programme.




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All the above resolutions are approved.

1. [Mr. P. RAMESH] ~ I.W. 30/3/19
2. [Dr. V. KRISHNAVENI] ~ 30.3.19
3. [Dr. K. G. SANTHIA] ~ K.G.S. 30/3/19
4. [Dr. E. T. VENKATESH] ~ 30/3/19
5. [Dr. B. ROSILINE JEETHA] ~ Rosilina 30/3/19
6. [Dr. D. RAMYACHITRA] ~ Ramyachitra 30/3/19
7. [Ms. FEMINA FRANCIS] ~ 30/3/19
8. [Ms P THENMOZHI] ~ P. Thenmozhi 30/3/19
9. [Mr. P. ILAYARAGU] ~ P. Ilayaragu 30/3/19
10. [Mr. S SIVARAJA] ~ S. Sivaraman 31/3/19
11. [Ms. M. GEETHA] - M. Geetha 31/3/19
12. [Mr. S. JAGANATHAN]
13. [Mr. T. VELUMANI] - T. Velumani 31/3/19
14. [Ms. R. PUSHPALATHA] - R. Pushpalatha 31/3/19
15. [Ms. K. GOMATHY] - K. Gomathy 31/3/19
16. [Mr. R. SUNDAR RAJ]
17. [Mr. A.R. BARTHEKEYAN] - A.R. Barthekeyan 31/3/19
18. [Ms. R. SAVEETHA] - R. Saveetha 31/3/19
19. [Mr. D. GOPINATH] - D. Gopinath 31/3/19




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