KONGU ARTS AND SCIENCE COLLEGE

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

ERODE – 638 107

Department of Computer Technology and Information Technology

KONGU ARTS AND SCIENCE COLLEGE
(Autonomous)
Affiliated to Bharathiar University, Coimbatore
Approved by UGC, AICTE, New Delhi & Re accredited by NAAC, DBT STAR College Scheme
(An ISO 9001: 2015 Certified Institution)
NANJANAPURAM, ERODE – 638 107

DEPARTMENT OF COMPUTER TECHNOLOGY AND INFORMATION TECHNOLOGY

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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The meeting of the Board of Studies in Computer Technology and Information Technology

UG/PG was conducted on 30.03.2019 at 10.15 a.m.in the College Campus.

The following members were present:

Chairman : Mr. S. Muruganantham

Members :

1. Ms. R.Rooba
2. Ms. C. Indrani
3. Dr. R.Vadivel
4. Dr. B.Ananthi
5. Dr. P.R.Tamilselvi

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

1. There is no change in the Syllabi of I and II Semesters for the B.Sc.(Computer Technology) students admitted during the year 2019 – 2020 and onwards.

2. There is no change in the Syllabi of I and II Semesters for the B.Sc.(Information Technology) students admitted during the year 2019 – 2020 and onwards.

3. There is no change in the Syllabi of III and IV Semesters for the B.Sc.(Computer Technology) students admitted during the year 2018 – 2019 and onwards.

4. There is no change in the Syllabi of III and IV Semesters for the B.Sc.(Information Technology) students admitted during the year 2018 – 2019 and onwards.

5. It is resolved to approve the Scheme of Examination and new Syllabi of V & VI Semesters for the B.Sc.(Computer Technology) students admitted during the academic year 2017– 2018 and onwards. **(Annexure - A & B)**

6. It is resolved to approve the Scheme of Examination and new Syllabi of V & VI Semesters for the B.Sc. (Information Technology) students admitted during the academic year 2017– 2018 and onwards. **(Annexure - C & D)**

7. It is resolved to approve the award of Extra Credits for SWAYAM and NPTEL online courses for the students who have been admitted during the academic year 2019-2020 and onwards.

8. It is resolved to approve the syllabi and extra credits for the Advanced Learners for the V Semester for B.Sc. (Computer Technology) students admitted during the academic year 2017-2018 and onwards. **(Annexure - A & B)**

9. It is resolved to approve the syllabi and extra credits for the Advanced Learners for the V Semester for B.Sc.(Information Technology) students admitted during the academic year 2017-2018 and onwards. **(Annexure - C & D)**

10. 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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Annexure – A

Details of Modifications in the Courses offered under the Programme

B.Sc. (Computer Technology)

The following modifications are adopted in the curriculum and syllabi of V and VI semesters for the B.Sc. (Computer Technology) students admitted during the year 2017 – 2018 and onwards based on the feedback obtained from stakeholders and recommendations of the BOS Panel Members.

- Core: Database Management Systems in semester V is renamed as Database Systems and some modifications are done in that.
- Elective III: Software Engineering is shifted from semester VI to semester V as Core.
- Core : Network Security shifted from semester VI to Semester V as Elective I.
- Core Lab: Network Security Lab is shifted from semester VI to semester V as Skill Based Course.
- Advanced Learners Course: Android Programming is shifted from semester V to semester VI as core.
- Core Lab: Android Programming Lab (17UALCP602) is introduced in the VI semester.
- Advanced Learners Course : Programming in C# (17UALAL509) is introduced in the V Semester.
- Elective: Mobile Computing is shifted from Elective II to Elective III.
- Elective: Cyber Law is shifted from Elective I to Elective III
- Elective: Distributed Computing is shifted from semester VI to semester V as Advanced Learners Course.
- The Elective Courses introduced in the V and VI semesters are as follows:

Semester V: Elective I : Client / Server Computing (17UALET507)

Semester VI: Elective II: Computer Graphics (17UALET603)
Multimedia Systems (17UALET604)
3D Animation (17UALET605)
Elective III: Ethical Hacking (17UALET607)

- The following courses are removed from the V and VI Semester of B.Sc. Computer Technology syllabi.
  - Open Source Programming (15UALET505)
  - Parallel Processing (15UALET605)
  - Neural Networks (15UALET606)
  - Artificial Intelligence (15UALET607)

The details of the adopted modifications are given in **Annexure - B**.

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Annexure - B

B.Sc. (Computer Technology) – Details of Modifications with specific topics in the Syllabus with % Revision

S.No.	Course Code	Course Name	Topics Introduced	Topics Removed	% of Revision
1.	17UALCT501	Database Systems	Unit 1 :Basic concepts and Definition, File-oriented System versus Database System, Historical Perspective of Database Systems, Database Language Unit II : Codd's Rules, Embedded Structured Query Language (SQL) Unit IV : Join Dependencies and Fifth Normal Forms (5NF) Unit V:Concurrency Control	Unit I : Centralized and Client/Server Architectures for DBMSs Unit IV: Specifying Constraints as Assertions and Triggers , Views in SQL Unit V : Encryption and Public Key Infrastructures , Challenges of Database Security	14 %
2.	17UALET507	Client / Server Computing	Unit I-Unit V introduced		100 %
3.	17UALAL509	ALC : Programming in C#	Unit I-Unit V introduced		100 %
4.	17UALCP602	Core Lab 6: Android Programming Lab	New Course (All 10 Programs)		100 %
5.	17UALET603	Computer Graphics	Unit I-Unit V introduced		100 %
6.	17UALET604	Multimedia Systems	Unit I-Unit V introduced		100 %
7.	17UALET605	3D Animation	Unit I-Unit V introduced		100 %
8.	17UALET607	Ethical Hacking	Unit I-Unit V introduced		100 %
9.	17UALSP610	Software Engineering and CASE Tools Lab	Out of 10 Programs 8 Programs are revised		80 %
10.	15UALET505	Open Source Programming	Course removed from the syllabi		-
11.	15UALET605	Parallel Processing	Course removed from the syllabi		-

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12.	15UALET606	Neural Networks	Course removed from the syllabi	-
13.	15UALET607	Artificial Intelligence	Course removed from the syllabi	-

- In overall, there had been 19% of revision in the syllabus of the B.Sc. Computer Technology programme.

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Annexure – C

Details of Modifications in the Courses offered under the Programme

B.Sc. (Information Technology)

The following modifications are adopted in the curriculum and syllabi of V and VI semesters for the B.Sc. (Information Technology) students admitted during the year 2017 – 2018 and onwards based on the feedback obtained from stakeholders and recommendations of the BOS Panel Members.

- Elective : Software Engineering is shifted from semester VI to semester V as Core.
- Elective: Artificial Intelligence is shifted from Elective III to Elective II.
- Elective: Data Mining is shifted from Elective II to Elective III.
- Core Lab: Information Security Lab (17UAMCP602) is introduced in the VI Semester.
- Core: Open Source Programming in Semester VI is renamed and shifted to semester V as Elective: Programming in PHP.
- Core Lab : Open Source Programming Lab in Semester VI is renamed and shifted to semester V as Skill Based Course: PHP Programming Lab.
- Python Programming in semester V is shifted from Advanced Learners Course to Elective.
- Advanced Learners Course: Cloud Computing is shifted from semester V to semester VI as Elective.
- The Advanced Learners Courses (ALC) listed below are introduced in semester V.
  - ALC: J2EE (17UAMAL509)
  - ALC: Middleware Technology (17UAMAL510)
- The Elective Courses introduced in V and VI semesters are as follows:

  Semester V: Elective I: Programming in C# (17UAMET507)

  Semester VI: Elective III : Big Data Analytics (17UAMET607)

  Internet of Things (17UAMET608)
- The following courses are removed from the V and VI Semester of B.Sc. Information Technology syllabi.
  - Client / Server Computing (15UAMCT503)
  - Multimedia Systems (15UAMET505)
  - TCP / IP (15UAMET506)
  - Component Based Technology (15UAMET507)
  - Enterprise Resource Planning (15UAMET603)
  - Cyber Law (15UAMET607)

The details of the adopted modifications are given in **Annexure - D**.

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Annexure D

B.Sc. (Information Technology) –Details of Modifications with specific topics in the Syllabus with % Revision

S.No.	Course Code	Course Name	Topics Introduced	Topics Removed	% of Revision
1.	17UAMCT501	Data Communications and Networks	Unit I : Data Communications, The Internet, Layered Tasks UNIT – II : Signals: Analog and Digital - Analog Signals - Digital Signals - Digital Transmission: Line Coding - Block Coding - Sampling - Transmission Mode - Analog Transmission: Modulation of Digital Data - Modulation of Analog Signals Unit III : Wireless LANs: IEEE 802.11. Unit IV : ARP, IP, ICMP Unit V : Quality of Service, Techniques to improve QOS, File Transfer	Unit I : Uses of Computer Networks - Network Hardware - Network Software Unit IV : Network Layer Design Issues: Store-and-Forward Packet Switching - Services Provided to the Transport Layer - Comparison of Virtual-Circuit and Datagram Networks	32 %
2.	17UAMET507	Programming in C#	Unit I-Unit V introduced		100 %
3.	17UAMAL509	ALC : J2EE	Unit I-Unit V introduced		100 %
4.	17UAMAL510	ALC : Middleware Technology	Unit I-Unit V introduced		100 %
5.	17UAMCP602	Information Security Lab	New Course (All 10 Programs)		100 %
6.	17UAMET604	Data mining	Unit I : Data Mining Versus Knowledge Discovery in Databases , Data Mining from a Database Perspective UNIT - II Data Mining Techniques: Introduction - A Statistical Perspective on Data Mining - Similarity Measures - Decision Trees -	Unit I :Data Mining Task Primitives, Data Mining Applications, Trends in Data Mining UNIT II Data Preprocessing: Why Preprocess the Data? - Descriptive Data Summarization - Data Cleaning - Data Integration and Transformation -	45

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			Neural Networks - Genetic Algorithms. UNIT – III : Statistical-Based Algorithms , Distance-Based Algorithm, Neural Network-Based Algorithms, Combining Techniques. Unit IV : - Similarity and Distance Measures, Clustering with Genetic Algorithm , Clustering with Neural Networks, DBSCAN Unit V : Measuring the Quality of Rules.	Data Reduction - Data Discretization and Concept Hierarchy Generation. Unit – III : Mining Frequent Patterns, Associations, and Correlations: Basic Concepts and a Road Map - Efficient and Scalable Frequent Itemset Mining Methods, Improving the Efficiency of Apriori - Mining Frequent Itemsets without Candidate Generation - Mining Closed Frequent Itemsets - Mining Various Kinds of Association Rules: Mining Multilevel Association Rules Unit IV : What Is Prediction? - Issues Regarding Classification and Prediction, Prediction: Linear Regression - Nonlinear Regression - Other Regression Based Methods - Accuracy and Error Measures: Classifier Accuracy Measures - Predictor Error Measures. Unit V : ROCK: A Hierarchical Clustering Algorithm for Categorical Attributes	
7.	17UAMET607	Big Data Analytics	Unit I-Unit V introduced		100 %
8.	17UAMET608	Internet of Things	Unit I-Unit V introduced		100 %
9.	17UALSP610	Software Engineering and CASE Tools Lab	Out of 10 Programs 8 Programs are revised		80
10.	15UAMCT503	Client/Server Computing	Course removed from the syllabi		-
11	15UAMET505	Multimedia Systems	Course removed from the syllabi		-
12	15UAMET506	TCP/ IP	Course removed from the syllabi		-

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13.	15UAMET507	Component Based Technology	Course removed from the syllabi	-
14.	15UAMET603	Enterprise Resource Planning	Course removed from the syllabi	
15.	15UAMET607	Cyber Law	Course removed from the syllabi	

- In overall, there had been 18.% of revision in the syllabus of the B.Sc. (Information Technology) programme.

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All the above resolutions are approved.

1. (S. Murugananthan) 30/03/19
2. 30/03/19 (R. Rooba)
3. 30/3/19 (C. Indrani)
4. (Dr. R. Vadivel)
5. 30/3/19 (Dr. B. Ananthi
6. 30/3/19. (Dr. P. R. Tamilselvi

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