



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.




Dr. N. RAMAN
PRINCIPAL,
KONGU ARTS AND SCIENCE COLLEGE
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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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KONGU ARTS AND SCIENCE COLLEGE
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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)**



Dr. N. RAMAN
PRINCIPAL.
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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)

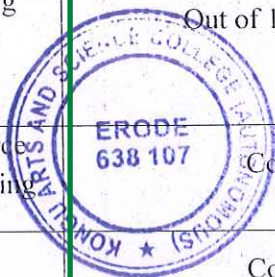
The details of the adopted modifications are given in Annexure - B.



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PRINCIPAL,
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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 I :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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PRINCIPAL,
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Annexure D

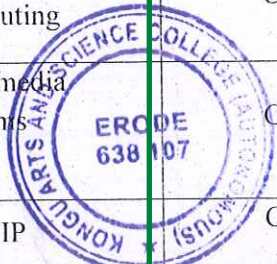
B.Sc. (Information Technology) –Details of Modifications with specific topics in the Syllabus with % Revision

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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 (A) Descriptive
 (B) Summarization

			<p>Neural Networks - Genetic Algorithms.</p> <p>UNIT – III : Statistical-Based Algorithms , Distance-Based Algorithm, Neural Network-Based Algorithms, Combining Techniques.</p> <p>Unit IV : - Similarity and Distance Measures, Clustering with Genetic Algorithm , Clustering with Neural Networks, DBSCAN</p> <p>Unit V : Measuring the Quality of Rules.</p>	<p>Data Reduction - Data Discretization and Concept Hierarchy Generation.</p> <p>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</p> <p>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.</p> <p>Unit V : ROCK: A Hierarchical Clustering Algorithm for Categorical Attributes</p>	
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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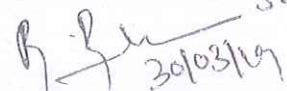
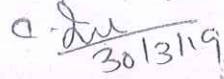


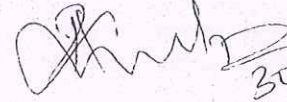
13.	15UAMET507	Component Based Technology	Course removed from the syllabi	-
14.	15UAMET603	Enterprise Resource Planning	Course removed from the syllabi	
15.	15UAMET607	Cyber Law	Course removed from the syllabi	

- 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. Murganatham)
30/03/19
2.  (R. Pooba)
30/03/19
3.  (C. Indrani)
30/3/19
4.  (Dr. R. Vadivel)
30/3/19
5.  (Dr. B. Ananthi)
30/3/19
6.  (Dr. P. R. Tamilselvi)
30/3/19




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