Department of Computer Applications

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 APPLICATIONS (UG)

BOARD OF STUDIES MEETING

AGENDA

DATE: 30.03.2019

1. To consider and approve the syllabi for the students admitted during the academic year 2017 – 2018, 2018-2019 and 2019-2020 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 Applications (UG) was conducted on 30.03.2019 at 10.15 a.m.in the College Campus.

The following members were present:

Chairman　　　:　Mr. R.Gopalakrishnan

Members　　　:

1. Ms. M.S. Kokila

2. Ms. S. Hemalatha

3. Mr. P. Narendran

4. Mr. N. Senthilkumaran

5. Mr. T. Thilagaraj

6. Mr. N. Rajasekaran

7. Ms. S. Dhivya

8. Mr. G. Eswaramoorthi

9. Ms. N. Gomathi

10. Ms. V. Manimekalai

11. Ms. S. Tamilselvi

12. Ms. C. Gomathi
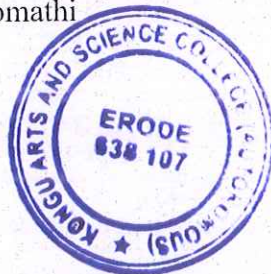
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Subject related to CBCS, Outcome based Syllabi and Extra Credits were discussed and the following are the resolutions:

1. There is no change in the Syllabi of I and II Semesters for the BCA students admitted during the year 2019 – 2020 and onwards.

2. There is no change in the Syllabi of III and IV Semesters for the BCA students admitted during the year 2018 – 2019 and onwards.

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

4. 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.

5. It is resolved to approve the Syllabi and Extra Credits for the Advanced Learners for the V Semester for the students who have been admitted during the academic year 2017 – 2018 and onwards.

6. It is resolved to approve the additional name for Panel of Members for Question Paper Setting and Central Valuation. **(Annexure –I)**
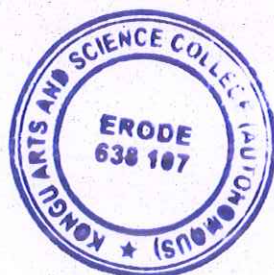
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Details of modifications in the courses offered under the programme

B.C.A

The following modifications are done in the Syllabi of V and VI Semesters for the B.C.A students admitted during the academic year 2017 – 2018 and onwards based on the feedback obtained from Stakeholders and recommendations of the BOS Panel Members.

- The Core Course, ORACLE Lab (17UAJCP504) is introduced in the V Semester for the B.C.A Students admitted during 2017-2018.
- The Skill Based Course, PHP & MYSQL (17UAJST508) is introduced in the V Semester for the B.C.A Students admitted during 2017-2018.
- The following Elective Courses are introduced in the V and VI Semesters for the B.C.A Students.
  - Semester V - Elective I : Software Testing (17UAJET505)

    Android and its Applications (17UAJET506)

  - Semester VI - Elective III : Artificial Intelligence and Expert Systems (17UAJET608)
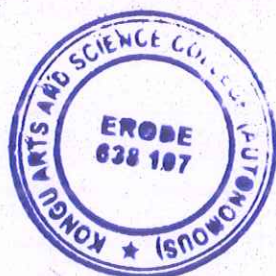
  The adopted modifications are given in Annexure B.

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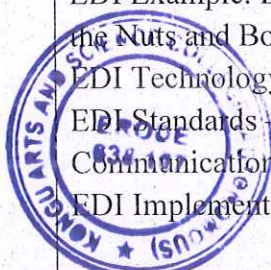**Details of modifications with specific topic in the syllabus with % of revision**

B.C.A

S. No.	Course Name	Course Code	Topics introduced	Topics removed	% Revision
1	Core 10: RDBMS	17UAJCT502	Unit I : Database Concepts: An Introduction - Relationships - Integrity Rules – Relational Algebra. Database Design: - Data Modeling – Dependency – Database Design – Dependency Diagrams - Denormalization.	Unit I : Introduction to Oracle Software Development Tools of Oracle – Introduction to SQL : Features of SQL – Features of SQL * Plus - SQL V/S SQL * Plus – Rules for SQL – Components of SQL – SQL Delimiters – Examples of DDL,DML and DCL commands **Unit II :** Displaying Table Information, Error codes, **Unit III:** Functions and Grouping: Built-in functions –Grouping Data, **Unit V:** Cursor with Parameters, Cursor Variables, Data Dictionary Views	18%
2	Core Lab 5: XAMP Lab	17UAJCP503	Out of 10 Programs 4 programs are revised		40%
3	Core Lab 6: ORACLE Lab	17UAJCP504	Unit I -Unit V introduced		100%
4	Software Testing	17UAJET505	Unit I -Unit V introduced		100%
5	Android and its Applications	17UAJET506	Unit I -Unit V introduced		100%

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6	Data Mining	17UAJET507	**Unit III:** Bayesian Classification – Bayes' Theorem – Naïve Bayesian Classification. **Unit IV:** Lazy Learners- K-Nearest Neighbor Classifiers- Case based Reasoning- Genetic Algorithm- Rough set approach- Fuzzy set approaches - Prediction: Linear regression - Non-linear regression - Accuracy and Error measures **Unit V:** Agglomerative and Divisive Hierarchical Clustering – BIRCH – ROCK.	**Unit II:** Multidimensional data model: From Tables and Spreadsheets to Data cubes – Stars, snowflakes and fact constellations **Unit III:** Multi layer feed-forward neural network – Defining a Network topology – Other classification methods **Unit V :** Data mining applications – Data mining system products and research prototypes – Additional themes of data mining – Social impacts on data mining – Trends in data mining.	30%
7	PHP & MySQL	17UAJST508	New Course (All 5 Units)		100%
8	E – Commerce	17UAJET603	**Unit III :** Encryption Techniques: Introduction to Cryptography – Encryption – Basic Vocabulary of Classical Encryption – Encryption Techniques – Benefits and Limitations of Encryption. **Unit V:** Electronic Data Interchange (EDI): Introduction – Definition – Benefits – EDI Example. EDI: the Nuts and Bolts: EDI Technology – EDI Standards – EDI Communications – EDI Implementation.	**Unit III :** Virtual Private Network: Introduction – Types of VPN – Authentication Mechanism – VPN Protocol – Need of VPN – Working of VPN - Advantages and Disadvantages of VPN – Firewalls and VPN, **Unit V:** E-Commerce Law.	30%
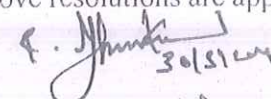
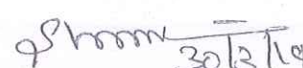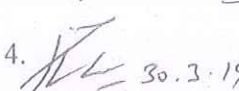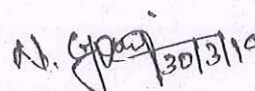| #	Course	Code			%
9	Mobile Computing	17UAJET605	Unit I , Unit II, Unit III & Unit V are introduced		80%
10	Client Server Computing	17UAJET607	**Unit III :** Stored Procedures, Triggers and Rules: Stored Procedures - Stored Procedures Vs. Static and Dynamic SQL - Triggers and Rules. **Unit IV :** TP-Lite or TP-Heavy: Origins of TP-Lite – TP-Lite Vs. TP-Heavy. **Unit V :** CORBA: What is CORBA Distributed Object? – OMG's Object Management Architecture – ORB – ORB Vs. RPC – Anatomy of CORBA 2.0 ORB – CORBA Object Services.	**Unit IV :** Transaction Management Standards: The X/Open DTP Reference Model – Vintage 1991 – Vintage 1994 – What the Transaction Standards Do Not Address? – Alternate to the Standards - The Need of TP Monitor. **Unit V :** Compound Documents: Compound Documents – The Compound Document Framework.	20%
11	Artificial Intelligence and Expert Systems	17UAJET608	New Course (All 5 Units)		100%

In overall, there had been a17.09% of revision in the Syllabus of the B.C.A Programme.

All the above resolutions are approved.

1. _[signature]_ 30/5/19   (R. GOPALAKRISHNAN)

2. _[signature]_ Kokila 20/3/19   (M. S. KOKILA)

3. _[signature]_ 30/3/19   (S. HEMALATHA)

4. _[signature]_ 30.3.19   (P. NARENDRAN)

5. _[signature]_ 30/3/19   (N. SENTHILKUMARAN)

6.

7.

8.

9. N. _[signature]_ 30/3/19   (N. GOMATHI)

10.

11.

12.

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