



KONGU ARTS AND SCIENCE COLLEGE

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

ERODE – 638 107

Department of Mathematics



KONGU ARTS AND SCIENCE COLLEGE
(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)
Nanjanapuram, Erode – 638 107.



DEPARTMENT OF MATHEMATICS
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 subjects with the permission of the chair.



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DEPARTMENT OF MATHEMATICS
BOARD OF STUDIES MEETING

The meeting of the Board of Studies in Mathematics UG / PG is conducted on 15.07.2020 at 10 a.m in the online mode.

The following members were present.

Chairman: Dr.S.Nagarajan

Members:

1. Mr.D.Sivakumar
2. Ms.C.Radhamani
3. Dr.S.R.Kannan
4. Dr.D.Narasimhan
5. Dr.A.Devika
6. Ms.D.Srimathi
7. Ms.T.Keerthana



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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. Mathematics 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 I and II Semesters for M.Sc. Mathematics students admitted during the academic year 2020-2021 and onwards be approved.
3. It is resolved to approve there is no change in the syllabi of III and IV Semesters for M.Sc. Mathematics students admitted during the academic year 2019-2020 and onwards be approved.
4. It is resolved to approve there is no change in the syllabi of I and II Semesters Allied Courses of B.B.A., B.B.A. (CA), B.Com.(CA), B.Com. (PA), B.Com.(B&I), B.Sc.(CS), B.C.A., B.Sc.(CT) and B.Sc.(IT) students admitted in the year 2020 –2021 and onwards be approved.
5. It is resolved to approve there is no change in the syllabi of III and IV Semesters Allied Courses of B.Sc.(Biochemistry), B.Sc.(Biotechnology), B.Sc.(Physics), B.Sc. (CS), B.C.A, B.Com, B.Com(CSCA) and M.C.A students admitted in the year 2019 – 2020 and onwards be approved .
6. It is resolved to approve there is no change in the syllabi of IV Semester Advanced Learners Course for B.Sc. Mathematics students admitted during the academic year 2019-2020 and onwards be approved.
7. It is resolved to approve there is no change in the syllabi of III Semester Advanced Learners Course for M.Sc. Mathematics students admitted during the academic year 2019-2020 and onwards be approved.



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8. 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.
9. It is resolved to approve there is a modification in the syllabi of III & IV Semesters for B.Sc. Mathematics students admitted during the academic year 2019-2020 and onwards be approved. (**Annexure a & b**)
10. It is resolved to approve there is a modification in the syllabi of V and VI Semesters for B.Sc. Mathematics students admitted during the academic year 2018-2019 and onwards be approved. (**Annexure a & b**)
11. It is resolved to approve there is a modification in the syllabi of V Semester Advanced Learners Course for B.Sc. Mathematics students admitted during the academic year 2018-2019 and onwards be approved. (**Annexure a**)
12. It is resolved to approve the Additional name for the panel of Question Paper Setters and Examiners be approved.



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Annexure a

Details of modifications in the Courses offered under the Programme

B.Sc Mathematics

The following modifications are done in the Syllabi of III to VI Semesters for the B.Sc Mathematics students admitted during the academic year 2020 – 2021 and onwards based on the feedback obtained from Stakeholders and recommendations of the BOS Panel Members .

- The skill based Paper **Statistical Analysis using SPSS** is introduced instead of **Introduction to Scientific Computing – OCTAVE** in Semester IV.
- New Elective papers **Scientific Computing with Sagemath, Object Oriented Programming in C++ - Theory and Object Oriented Programming in C++ - Practical** are introduced instead of **RDBMS and ORACLE Practical, Formal Languages and Automata Theory and Elementary Number Theory** .
- The skill based Paper **MATLAB Programming** is introduced instead of **Mathematics for Competitive Examinations** in Semesters V.
- The course **Mathematics for Competitive Examinations** is shifted to Advanced Learners Course in Semesters V.

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



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Annexure b

B.Sc Mathematics - Details of modifications with specific topics in the Syllabus with % of revision

S.No	Course Name	Course Code	Topics introduced	Topics removed	% Revision
1.	Statistical Analysis using SPSS	19UANSP404	Data entry and naming variables, Presentation of data through charts and diagrams, a straight line for the given data using regression, exponential curve fit, mean and median of numerical data, geometric mean and harmonic mean of numerical data, standard deviation, variance, and checking the consistency of the given data, regression relation of numerical data, correlation coefficient of numerical data.	-	100%
2.	Scientific Computing with Sagemath	20UANEP505	SageMath as a Calculator and define own functions, Declare variables and solving single and multi variable problems using SageMath, functions with advanced techniques including scatter plots, linear and non linear equations using SageMath, higher derivatives and plotting in SageMath, Permutations and Combinations.	-	100%



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3	Matlab Programming	20UANSP508	Transcendental equation, Differential equation, Simpson's rule, Quadratic equation, Fibonacci sequence of numbers, Pascal triangle Eigen values and Eigen vectors of a matrix.	-	100%
4	Object Oriented Programming in C++ - Theory	20UANET605	Principles of object-Oriented Programming, Tokens, Expressions and Control structure, Functions in C++, Classes and Objects, Constructors and Destructors Inheritance Operators overloading	-	100%
5	Object Oriented Programming in C++ - Practical	20UANEP607	function "power()" "double" value for m and " int" value for n , and returns the result correctly. "main()" interest rate RATE in any of the data type "float" or " int". ENO, ENAME, DEPT, BASIC SALARY. Write a member function to get and display them. Class PAY from the above class and Define two classes POLAR and RECTANGLE to represent points in the polar and rectangle system. Convert from one system to another. FLOAT that contains one float data member. Overload all the four arithmetic operators so that they operate on the objects of FLOAT.	-	100%

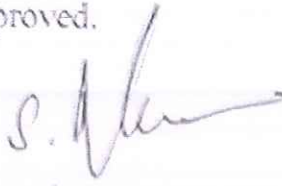
In overall, there had been a 13% of revision in the Syllabus of the B.Sc Mathematics Programme



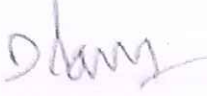
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All the above resolutions are approved.


1. Dr.S.Nagarajan

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2. Mr.D.Sivakumar

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3. Ms.C.Radhamani

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4. Dr.S.R.Kannan

5. Dr.D.Narasimhan

6. Dr.A.Devika


7. Ms.D.Srimathi

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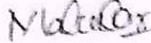
9. Mr.S.Suresh

- 

10. Dr.M.Lalitha

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11. Mr.P.Maheshkumar

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12. Ms.C.Kiruthica

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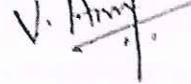
13. Ms.A.Deepa

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14. Ms.R.Yuvarekha

- 


15. Ms.V.Amudhamalar

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16. Ms.P.Kiruthika

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17. Ms.D.Jayabrindha - D. Jayabrindha
18. Ms.S.Vidhya - S. Vidhya
19. Ms.M.Kalaivani - M. Kalaivani
20. Ms.K.Sivaranjani - K. Sivaranjani
21. Ms.G.Priyadharsini - G. Priyadharsini
22. Ms.S.Saveetha - S. Saveetha
23. Ms.N.Priyanka - N. Priyanka




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