

Kongunadu Arts and Science College (Autonomous)
Coimbatore -641029

DEPARTMENT OF MATHEMATICS

Minutes of the Board of Studies

The Board of Studies meeting was held on 03.05.2021 through online mode. The Chairman welcomed and outlined the changes to be made in the following for the board approval.

Item 1. To consider the change in the Curriculum, Scheme of Examination and Syllabi of UG/PG/Certificate/Diploma/PG Diploma courses and approval.

Item 2. To suggest the Panel of names for appointment of Examiners.

Item 3. Other academic activities in the Department.

As per the suggestions and recommendations given by the Stakeholders on the above items discussed, the existing/revised the Scheme of Curriculum / Scheme of Examination / Syllabi and Panel of Examiners are to be followed is annexed here with for the implementation from the commencement of the Academic year 2021 – 2022.

The members after careful scrutiny of the changes to be made, unanimously accorded approval for the proposed changes/modifications. They also resolved to authorize the Chairman of Board of Studies to place the changes/modifications now approved by the BOS before the Standing Committee on Academic affairs and Academic Council.

UG Programme

Sem.	Course code	Name of the Course	Changes made (Introduced/Revised)
I	21UMA102	Calculus	Revised the syllabus by including the topics, Maxima and minima for two variable functions using MATLAB in Unit I, Evaluating the integral by changing the order of integration and Area of the region bounded by the curve using MATLAB in Unit III and Volume of the region using MATLAB in Unit IV
I	21UMA111	Statistics I	Revised the syllabus by including the topics Fitting of Binomial distribution using MATLAB and Fitting of Poisson distribution using MATLAB in Unit IV.
II	21UMA203	Differential Equations and Laplace Transforms	Revised the syllabus by including the topics solving system of linear differential equations using

			MATLAB in Unit II and Laplace transform of the various mathematical functions using MATLAB in Unit IV.
II	21UMA204	Trigonometry, Vector Calculus And Fourier Series	Revised the syllabus by including the topic, Constructing three dimensional vector field for the given vector using MATLAB in Unit IV.
II	21UMA2I2	Statistics II	Revised the syllabus by including the topics χ^2 test and t-test using MATLAB in Unit IV.
III	21UMA305	Analytical Geometry	Revised the syllabus by including the topics, Visualizing sphere using MATLAB in Unit III, Visualizing cylinder using MATLAB in Unit IV and Plotting 3D curves and surfaces using MATLAB in Unit V.
V	21UMA5CL	Core Practical 1 - Programming in C Practical	Introduced the following programs <ul style="list-style-type: none"> • to find the correlation and regression. • to find the trace of the matrix. • to find the standard deviation. • Bisection Method • Newton Raphson Method
V	21UMA5X1	EDC-Fundamentals of Mathematics	Revised Unit-I and Unit-II with Quantitative aptitude.
VI	21UMA6SL	Skill Based Subject 3 Fundamentals of LaTeX- Practical	Introduced the following programs <ul style="list-style-type: none"> • Use the LaTeX package “tikz” to draw the Petersen and Nauru diagrams. • Create molecular orbital diagrams for Homo and Hetero diatomic molecules by using MO

			<p>diagram package.</p> <ul style="list-style-type: none"> • Merge the coding of R with the LaTeX document and generate the output. • Create scientific poster using Tikz poster or beamer poster package.
	Major Elective Paper	Numerical Methods	Revised the syllabus by including the topic, Solving algebraic and transcendental equations using MATLAB in Unit II.
III	21UBT3A3	Fundamentals of Mathematics	The existing Allied Paper –Basic Mathematics and Statistics is replaced by Fundamentals of Mathematics.
IV	21UBT4A4	Bio-Statistics	The existing Allied Paper – C Programming and Numerical Methods is replaced by Bio Statistics
IV	21UBT4AL	Lab in Bio-Statistics	The existing Lab Paper C Programming is replaced by Lab in Bio-Statistics
III	21UAF3A3	Business Mathematics	Adopted the allied paper – Business Mathematics for BCom A&F
IV	21UAF4A4	Business Statistics	Adopted the allied paper – Business Statistics for BCom A&F
III	21UPS3A3	Psychological Statistics	Adopted the allied paper – Psychological Statistics for BSc Psychology
IV	21UPS4A4	Research Methodology	Adopted the allied paper – Research Methodology for BSc Psychology

The following are the proposal of changes for B.Sc Mathematics students admitted during 2020-2021.

Sem.	Course code	Name of the Course	Changes made (Introduced/Revised)
III	20UMA305	Analytical Geometry	Revised the syllabus by including the topics Visualizing sphere using MATLAB in Unit III, Visualizing cylinder using MATLAB in Unit IV and Plotting 3D curves and surfaces using MATLAB in Unit V.

V	20UMA5CL	Core Practical 1 - Programming in C Practical	Introduced the following programs <ul style="list-style-type: none"> • to find the correlation and regression. • to find the trace of the matrix. • to find the standard deviation. • Bisection Method • Newton Raphson Method
VI	20UMA6SL	Skill Based Subject 3 Fundamentals of LaTeX- Practical	Introduced the following programs <ul style="list-style-type: none"> • Use the LaTeX package “tikz” to draw the Petersen and Nauru diagrams. • Create molecular orbital diagrams for Homo and Hetero diatomic molecules by using MO diagram package. • Merge the coding of R with the LaTeX document and generate the output. • Create scientific poster using Tikz poster or beamer poster package.
	Major Elective Paper	Numerical Methods	Revised the syllabus by including the topics Solving algebraic and transcendental equations using MATLAB in Unit II.

The following are the proposal of changes for B.Sc Mathematics students admitted during 2019-2020.

Sem.	Course code	Name of the Course	Changes made (Introduced/Revised)
V	19UMA5CL	Core Practical 1 - Programming in C Practical	Introduced the following programs <ul style="list-style-type: none"> • to find the correlation and regression. • to find the trace of the matrix. • to find the standard

			deviation. <ul style="list-style-type: none"> • Bisection Method • Newton Raphson Method
VI	19UMA6SL	Skill Based Subject 3Fundamentals of LaTeX-Practical	Introduced the following programs <ul style="list-style-type: none"> • Use the LaTeX package “tikz” to draw the Petersen and Nauru diagrams. • Create molecular orbital diagrams for Homo and Hetero diatomic molecules by using MO diagram package. • Merge the coding of R with the LaTeX document and generate the output. • Create scientific poster using Tikz poster or beamer poster package.
	Major Elective Paper	Numerical Methods	Revised the syllabus by including the topics Solving algebraic and transcendental equations using MATLAB in Unit II.

PG Programme

Sem.	Course code	Name of the Course	Changes made (Introduced/Revised)
I	21PMA103	Ordinary Differential Equations	Interchanged the units I, II and III
I		Numerical Analysis	Revised Unit I in the existing syllabus of Numerical Methods and course name was changed as Numerical Analysis.
II	21PMA208	Programming in Python	The prescribed text book is <u>E.Balagurusamy</u> , Introduction to Computing and Problem Solving using Python, First Edition , Fifth Reprint (2020), McGraw-Hill Education (India) Pvt. Ltd, Chennai.

Diploma Course

1. Introducing the Diploma course in Vedic Mathematics for both UG and PG students.
2. Introducing PG Diploma in Data Analytics for PG students.

Certificate Course

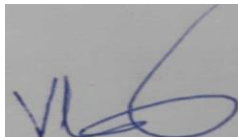
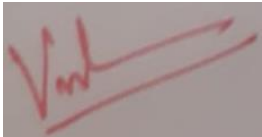
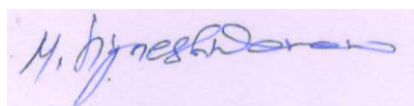
Introducing Certificate course in Vedic Mathematics for both UG and PG students.

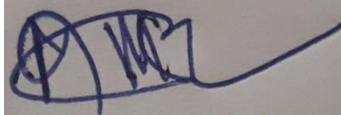


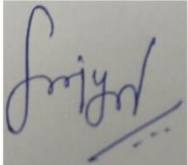
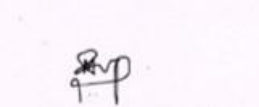
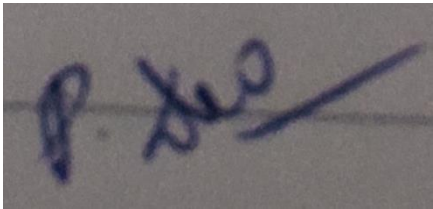

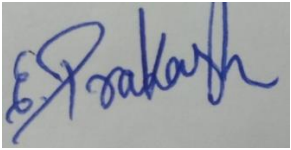
Other Academic Activities:

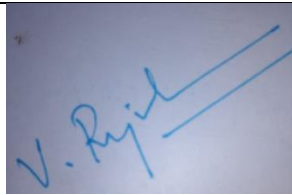

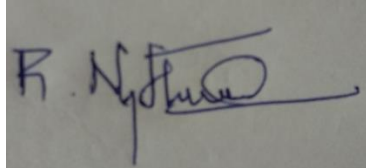
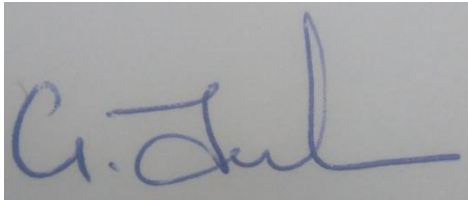
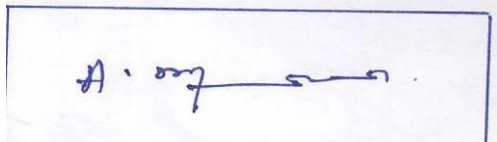
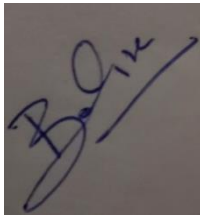

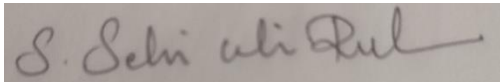
The students should complete a SWAYAM-MOOC before the completion of the 5th semester and the course completed certificate should be submitted through the HOD to the Controller of Examinations. Two credits will be given to the candidates who have successfully completed. In case the students have completed more than one online course, the appropriate 2 extra credits shall be awarded to such candidates upon the submission of certificate through the HOD to the Controller of Examinations.

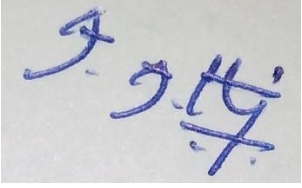



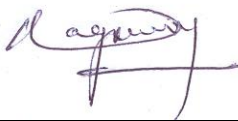

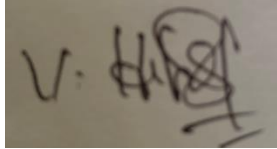


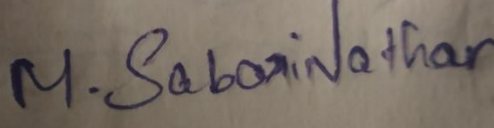
The students should complete a SWAYAM-MOOC before the completion of the 3rd semester and the course completed certificate should be submitted through the HOD to the Controller of Examinations. Two credits will be given to the candidates who have successfully completed. In case the students have completed more than one online course, the appropriate 2 extra credits shall be awarded to such candidates upon the submission of certificate through the HOD to the Controller of Examinations.

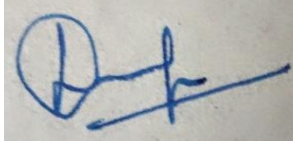
Signature of the Board Members

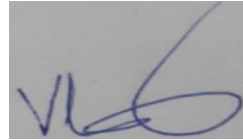
S.No.	Name	Designation	Signature
1.	Dr.V.Kokilavani	Chairman	
2.	Dr. D. Vijayalakshmi	Member	
3.	Dr. M. Vigneshwaran	Member	

4.	Dr. M. Venkatachalam	Member	
5.	Dr. L. Vidya Rani	Member	
6.	Dr. C. Ravichandran	Member	
7.	Dr. S.P.R. Priyalatha	Member	
8.	Dr. M. Vivek Prabu	Member	
9.	Dr. P. Sathishmohan	Member	
10.	Dr. N. Mohanapriya	Member	
11.	Dr. E. Prakash	Member	
12.	Dr. V. Rajendran	Member	

			
13.	Dr. S. Dhanalakshmi	Member	
14.	Mrs. R. Nesarajithamani	Member	
15.	Mrs. G. Juliet Jeba Thangam	Member	
16.	Dr. A. Singaravelan	Member	
17.	Dr. K. Baby	Member	
18.	Mrs. T. Deepa	Member	
19.	Mrs. S. Selvi Celin Prabha	Member	
20.	Dr. A. Amuthalakshmi	Member	

			
21.	Dr.M.Rathika	Member	
22.	Dr. R. Sakthivel	University Nominee	
23.	Dr.A.Nagoorgani	Subject Expert	
24.	Dr.G.Nagamani	Subject Expert	
25.	Dr.M.Muthtamilselvan	Alumnus	
26.	Mr. V.Harihara Subramanian	Representative from Industry	
27.	Ms. V. Soundariya 192MA018	II MSc Mathematics	
28.	Mr. K. Athul 181MA006	III BSc Mathematics	
29.	Ms. M. Sabarinathan 191CT023	II BSc CT	

30.	Ms. M. Deepa 181CM017	III BCom(Main)	
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Signature of the Chairman of the Board