

Minutes of the Board of Studies
Department of Mathematics
To be implemented from 2022-2023 onwards.

Venue : B5

Convened on : 16-3-2022

Convened at : 2pm.

Members Present : (Names with Initial and Designation)

1.	Dr. Pandia Raja Principal Thyagaraja College, Madurai-625009 Mail ID: pandiaraja@gmail.com Mobile No: 7708091177	University Nominee
2.	Dr. M. Navaneetha Krishnan Associate Professor & Head Department of Mathematics Kamaraj College, Thoothukudi-628003 Mail ID: navaneethan65@yahoo.co.in Mobile No: 9443871893	Subject Expert.
3.	Dr. D. Muthuramakrishnan, Dean of Science, Head of the Department, Department of Mathematics National College. Trichy - 620001 Mail ID: dmuthuramakrishnan@gmail.com	Subject Expert.

4. MS. S. Sindhuja
Senior Statistical officer
National Statistical office
(FOD)

Industrialist.

Ministry of Statistics
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-tion

B wing 2nd Floor Shastri
Bhavan,

Haddows Road

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Chennai - 600006

5. Dr. K. P. V. Preethi
Assistant Professor
Department of Mathematics
Saiva Bhanu Kshatriya College
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Mail ID: vpreethi90@yahoo.com
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Alumne.

6. Dr. A. PAULIN MARY

Head of the Department

7. Mrs. A. Sheela Roselin,
Dr. Sr. M. Fahme Mary
Dr. C. Prasanna Devi
Dr. E. Helena
Mrs. Nigile Razavan
Mrs. M. Teresa Nirmale
Dr. V. Vanilke
Dr. M. V. Selthu Meenekihi
Mrs. R. Tenori Rosary Deepa

Mrs. B. Velkhamary Jacqueline
Mrs. J. Annel Mercy.

Minutes of the Board of Studies.

1. Presentation of the Action Taken Report.

Action Taken Report for 2021-2022 - UG

S.No.	Common Suggestions offered in the Previous Board	Action Taken for the Academic year 2021-2022.
1.	The Board recommended to Shift Computer programming with C and object oriented Programming with C++ from V and VI Semesters to I and II Semesters respectively as Allied papers.	Computer programming with C and object oriented programming with C++ are shifted to I and II Semesters as Allied Papers.
2.	The Board passed the Syllabus for new Self-learning interdisciplinary Course, "Mathematics and Economics for Competitive Examinations" (21UGLM2SL) for advanced learners of I UG.	The Syllabi passed by the Board for new Self-learning Interdisciplinary Course, "Mathematics and Economics for Competitive Examinations" (21UGLM2SL) for advanced learners of I UG was Implemented.

Action Taken Report for 2021-2022 - PG.

S.No.	Common Suggestions offered in the Previous Board	Action Taken for the Academic year 2021-2022
1.	The Board recommended to remove ⁱⁿ Crisp Sets and Fuzzy Sets - Unit I, Classical logic an over View, Fuzzy logic & Necessity measures in Unit IV of 19PG3ME1 - Fuzzy Sets and its Applications.	Removed Classical Logic, an over View, Fuzzy logic in Unit I : Crisp Sets and Fuzzy Sets & Necessity measures, in Unit IV, Fuzzy Measures of 19PG3ME1 - Fuzzy Sets and its Applications and the code no. is changed to 21PG3ME1
2.	The Board passed the Syllabi for new Self-learning Course, "Verbal and Numerical Aptitude for National Examination", (21PG4LM2SL) for advanced learners of I PG.	The Syllabi passed by the Board for new Self-learning interdisciplinary Course, "Verbal and Numerical Aptitude for National Examination (21PG4LM2SL) for advanced learners of I PG was Implemented.

Change of Course Title : Nil

S.No	Old Course Code	New Course Code	Old Course Title	New Course Title	Need for change
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New Courses Introduced - UG.

S.No.	Course Code	Course Title	Relevance To Global	Scope for Emp.	Need for Introduction
1.	21UGLM2SL	Mathematics and Economics for Competitive Examinations	✓	✓	Enable the Student to appear for competitive Exams.

New Courses Introduced - PG.

S.No.	Course Code	Course Title	Relevance To National Level	Scope for Emp.	Need for Introduction
1.	21PGLM2SL	Verbal and Numerical Aptitude for National Examinations	✓	✓	Enable the students to appear for National Examinations

Revised Courses.

S.No.	Course Code	Course Title	No & Title of Units Revised with the content specified	% of Revision	Need For Revision
1.	21PG3ME1	Fuzzy Sets and its applications	Unit I: Comp Sets and		

Fuzzy Sets: Classical
Logic: an overview,
Fuzzy Logic
Unit IV Fuzzy Meas-
ures: Necessity
Measures.

10%
removed

Based on
the feed
back
from the
Students.
(Syllabus is
too heavy
for 4 hrs.

2. Updation of Open Educational Resources in the list of references of each Course - UG.

S.NO	Course code	Course Title	Details of Updation
1.	19M3CC5/1963CC ₅	Modern Algebra	1. https://www.khanacademy.org 2. https://www.britanica.com/
2.	19M4CC7/ 1964CC7	Sequences and series	1. https://www.cuemath.com/ 2. https://www.ncert.nic.in/
3.	19M6ME3	Object Oriented Programming with C++	1. https://www.cplusplus.com/ 2. https://www.cppreference.com/
4.	19M3ACC1	Allied Mathe- matics - I	1. https://mathworld.wolfram.com 2. www.britannica.com

Updation of open Educational Resources in the list of reference of Course - PG.

S.No.	Course code	Course Title	Details of Updation.
1.	19PG3M10	Optimization Techniques	http://books.google.com/books/about/Mathematical_Optimization_Techniques/
2.	19PG4ME3	Formal Languages	1. http://cse.iitkgp.ac.in/course/theory 2. http://people.cs.uchicago.edu/

3. Revision of Courses - UG.

S.No	Course Code	Course Title	No & Title of Units Revised with the Revised Content.	% of Revision	Need for Revision
1.	19M2CC3/ 19C2CC3	Differential Equations	Unit I, Differential Equations of First order; Variable Separable Method	5%	It is the basic for the other content of the Unit
2.	21M2ACP2	Allied Mathematics-II	Unit I, Diff. Equations of First order	5%	Basic of the Unit

variable
separable
method

3.	21M3AEC1	Allied Mathema- tics - I	Unit II, Differen- ti al equations inclu- ed of the first order, variable separable method.	5%	Basic for the other Content of the Unit
4.	22M6CC14	Dynamics	Unit IV, Simple Harmonic Motion is removed and changed "Moment of Inertia" is inclu- ded. Units are rearranged according to the chapters given in the text book	20%	Students learn "Simple Harmonic Motion" in XII Std Physics.

Revision of Courses - Ph.

S.No	Course Code	Course Title	No of Units With the Content	% of Revision	Need for Revision
1.	19PG1M4	Classical Mechanics	Unit V Bertrand's Theorem	2% Removed	Too heavy for the Students.
2.	19PG2M7	Differential Equations	Unit II - Linear Equations	2% Included	It is needed to

			with Variable Coefficients Section 9 of Chapter - 3.		prove other Theorems
3.	19PU1M2	Real Analysis	Unit I: Remove appendix.	2% Removed.	Too heavy for the Students.
4.	22PU2M6	Advanced Real Analysis	Unit V - Functions of Several Variables removed and other four Units are converted into V units.	20% Removed.	Board felt the Syllabus is too heavy.
5.	22PU3M9	Measure and Integration	Unit V - Measure and Integration in a Product Space is removed and the first Unit is divided into two Units.	20% Removed.	Board felt the Syllabus is heavy.
6.	19PU3M12	Topology	Unit V - Countability and Separation axioms - Tychonoff's Theorem.	2% Introduced.	It is an important concept in Topology

4. New Courses Introduced - UG

S.No.	Course Code	Course Title	Relevance to Global	Scope for Skill Dev.	Need for Introduction
1.	22M4SB2 22G4SB2	Trigonometry	✓	✓	To enhance Conceptual understanding and problem Solving ability
2.	22UGMA4 SL	Financial Mathe- matics	National Level	Emp. S.D ✓ ✓	To enhance employability Skills

New Courses Introduced - PG, - Nil.

5. Introduction of Purely Skill - Embedded certificate / Diploma / Advanced Diploma value added Course other than the value added Course that is 'already being offered.

The Certificate Course 'Speed Arithmetic' is changed
Also 'Computational Mathematics' is changed.

S.No	Course Code	Course Title		Skills Sharpened	Course Outcome
1.	22UGVACM1	Quantitative and Qualitative Methods for Competitive Examinations.	NEW	Analytical Reasoning Skills	1. Develop General Mental Ability 2. Apply Analytical Reasoning 3. Understand Pattern, and Problem Solving techniques to apply for Competitive exams.
2	22UGVACG1	Concrete Mathematics	NEW	Analytical Reasoning Skills	

6. Rubrics for Internship/Project

S.No.	C ₁ 20mks	C ₂ 20mks	CIA Total 40mks	External 60mks
1.	Followup after 15 days	Viva Voce after Completion	40	60

For the 2020-2023 Batch, the V and VI Semester Elective papers are ^{inter}changed as.

19M5ME1/- Computer Programming in C
19G5ME1

19M5ME1/19G5ME1 - C Practical

19M5ME2/- Object oriented Programming
19G5ME2 with C++

19M5ME2/- C++ Practical
19G5ME2

19M6ME3/- Fuzzy Mathematics
19G6ME3

19M6ME4 - Theory of Numbers.

For 2021-2024 Batch the following are the 2nd and 3rd year papers.

19M3CC5/19G3CC5 - Modern Algebra,

19M3CC6/19G3CC6 - Advanced Statistics

19M4CC7/19G4CC7 - Sequences & Series

19M4CC8/19G4CC8 - Linear Algebra

19M5CC9/19G5CC9 - Real Analysis

19M5CC10/19G5CC10 - Stochastic

19M5CC11/19G5CC11 - Linear Programming

19M5CC12/19G5CC12 - Graph Theory

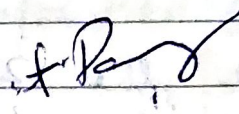
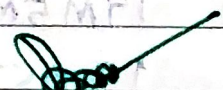
19M6CC13/19G6CC13 - Complex Analysis

22M6CC14/22G6CC14 - Dynamics

19M6CC15/19G6CC15 - Operations Research

19M3SB1/19G3SB1 - Applications of Calculus and
Differential Equations.

22M4SB2/22G4SB2 - Trigonometry

Name	Signature
1. Dr. A. Paulin Mary	
2. Dr. D. Pandya Raja	Absent
3. Dr. M. Navaneetha Krishnan	
4. Dr. D. Nuthuramakrishnan	
5. Dr. K. P. V. Preeti	V. P. V. Preeti
6. Ms. S. Sindhuja	Absent
7. Dr. N. Malathi	Malathi/16/03/22
8. Mrs. A. Sheela Roselin	A. S. R.
9. Dr. Sr. M. Fabina Mary	fm
10. Dr. C. Prasanna Devi	C. P. D.
11. Dr. E. Helena	Helena

12. Mrs. Nigile Ragavan

Nigile

13. Mrs. M. Teresa Nismale

M. Teresa Nish

14. Dr. V. Vanilka

V. Vanilka

15. Mrs. R. Jenovi Rosary Deepa

R. Jenovitha

16. Mrs. B. Vetha Mary Jackelin

B. Vetha Mary

17. Mrs. J. Annad Mercy

J. Annad Mercy

18.

Dr. K. Amutha

K. Amutha

19. Dr. M. Rasi

M. Rasi

20.

Dr. M. V. Sethu Meenakshi

M. V. Sethu Meenakshi

16/3/22