

Minutes of the Board of Studies meeting in the Department of Mathematics to be implemented from 2023-2024 onwards.

Venue : B5

Convened on : 5.4.2023 Convened at : 2pm.

Members Present : Name with Initial and Designation)

1.	Dr. S. Muralisankar Professor School of Mathematics Madurai Kamaraj University Madurai - 625021	University Nominee
2.	Dr. M. Navaneetha Krishnan Associate Professor & Head Department of Mathematics Kamaraj College, Thoothukudi - 628003	Subject Expert
3.	Dr. D. Muthuramakrishnan Dean of Sciences, Head of the Department Department of Mathematics National College, Trichy - 620001	Subject Expert.
4.	Dr. K. P. V. Preethi. Assistant Professor Department of Mathematics	Alumna.

Saiv. Bhannu Kshatriya College;
Aruppukottai - 626101

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|-----|--|-----------------------------|
| 5. | Ms. S. Sindhuja,
Senior Statistical Officer
NSSO (FOD) TNLN)
Chennai. R.O.
Ministry of Statistics & P.I
Government of India
Chennai. | Industrialist |
| 6. | Dr. A. Paulin Mary
Associate Professor | Head of the Dept. |
| 7. | Dr. A. Rajeswari
Assistant Professor | Dean of Academic
Affairs |
| 8. | Mrs. A. Sheela Roselin | Staff Member |
| 9. | Dr. Sr. M. Fatima Mary | " |
| 10. | Dr. C. Prasanna Devi | " |
| 11. | Dr. E. Helena | " |
| 12. | Mrs. Nigila Ragavan | " |
| 13. | Mrs. M. Teresa Nirmala. | " |
| 14. | Dr. V. Vanitha | " |
| 15. | Dr. M. V. Selthu Meenakshi | " |
| 16. | Dr. A. Jose Little Flower | " |
| 17. | Mrs. R. Rajeswari | " |
| 18. | Mrs. R. Jenovi Rosany Deepa | " |
| 19. | Mrs. B. Velthe Mary Jacqueline | " |
| 20. | Mrs. J. Annal Mercy | " |
| 21. | Dr. K. Anulka | " |
| 22. | Dr. M. Subhe | " |
| 23. | Dr. J. Josefine Charishma | " |

Minutes of the Board of Studies:

1. PRESENTATION OF THE ACTION TAKEN REPORT Action Taken Report for 2022-2023 UC

S.No	Common Suggestions offered in the Previous Board.	Action Taken for the Academic year 2022-23
1.	The Board recommended to introduce Variable Separable method in Unit-I, 'Differential Equations of First order' of 19M2CC3/19G2CC3, "Differential Equations".	Introduced Variable separable method in Unit-I, 'Differential Equations of First order' of the Core paper 19M2CC3/19G2CC3 - "Differential Equations".
2.	The Board recommended to introduce variable Separable method in Unit-I, "Differential Equations of First order" of 21M2ACP2, "Allied Mathematics -II".	Introduced Variable Separable method in Unit-I, 'Differential Equations of First order' of the Allied paper 21M2ACP2, "Allied Mathematics -II".
3.	The Board recommended to introduce Linear Equations in Unit-II, First order of 21M4ACC2, "Allied Mathematics -I".	Introduced Linear Equations in Unit-II, First order of the Allied paper, 21M4ACC2, "Allied Mathematics -I".
4.	The Board recommended to remove Unit IV, "Simple	Removed Unit IV, "Simple Harmonic

Harmonic Motion' and to include 'Moment of Inertia' and to rearrange the units according to the chapters given in the text book of 22MBCC14 - Dynamics.

Motion' and included 'Moment of Inertia' and rearranged the Unit according to the chapters given in the text book of 22MBCC14 - Dynamics.

Action Taken Report for 2022-2023 - PG.

1.	The Board recommended to remove 'Bertrand's Theorem' from Unit-V, Classification of orbits of 19PA1M4, "Classical Mechanics"	Removed 'Bertrand's theorem' from Unit V, Classification of orbits of 19PA1M4 - Classical Mechanics.
2.	The Board recommended to remove Appendix from Unit-I 'The Real and Complex number Systems' of 19PA1M2 - Real Analysis.	Removed Appendix from Unit I - 'The Real and Complex number Systems' of 19PA1M2 - Real Analysis.
3.	The Board recommended to include Justification of the power Series Method in Unit-II - Linear Equations with Variable Coefficients" of 19PA2M7 - Differential Equations.	Introduced Justification of the power Series Method in Unit-II - Linear Equations with Variable Coefficients" of 19PA2M7 - Differential Equations.
4.	The Board recommended to remove Unit V, Functions of Several variables' and to divide Unit III into two units in 22PA2M6 - Advanced	Removed 'Functions of Several variables' - Unit V' and divided Unit III into two units in 22PA2M6 - Advanced

Real Analysis

5. The Board recommended to remove Unit V, 'Measure and integration in a Product Space' and to divide the first Unit into two Units of 22PC2M9 - Measure and Integration.

6. The Board recommended to introduce 'The Tychonoff theorem in Unit V - Countability and Separability axioms' of 19PC3M12 - Topology.

Real Analysis

Removed Unit V 'Measure and integration in a Product Space' and divided the first Unit into two units of 22PC2M9, Measure and integration.

Introduced 'The Tychonoff's theorem in Unit V - Countability and Separability axioms of 19PC3M12, Topology

New Courses Introduced in 2022-23.

1. The Board passed the Syllabi for new Skill based paper - 22M4SB2 - Trigonometry

2. The Board passed the Syllabi for new Self Learning Course - 22UC4M4SL - Financial Mathematics

3. The Board passed the Syllabi for new Value Education

The Syllabi passed by the board for new Skill based paper - 22M4SB2 - Trigonometry was implemented

The Syllabi passed by the Board for new Self Learning Course - 22UC4M4SL - Financial Mathematics was implemented

The Syllabi passed by the Board for

added Certificate Course
22UCVACM1 - Quantitative
and Qualitative methods
for Competitive Examina-
tions.

new Value added
Certificate Course.
22UCVACM1 - Quantita-
tive and Qualitative
Methods for Competitive
Examinations. was
implemented.

4. The Board passed the
Syllabi for new Value
added Certificate Course
22UCVACC1 - Concrete
Mathematics.

The Syllabi passed by
the Board for new
Value added Certificate
Course. 22UCVACC1
'Concrete Mathematics
was implemented.

Core Courses Introduced - VG.

S.No	Course Code	Course Title	Relevance to				Scope for			Need for Introduction
			L	R	N	C	EMP	ENTRE	SD	
1.	23MCC1	Algebra and Trigonometry				✓	✓			As per TANSCHC Guide Lines.
2.	23MCC2	Differential Calculus				✓	✓			
3.	23MCC3	Analytical Geometry				✓	✓			
4.	23MCC4	Integral Calculus.				✓	✓			

Elective Courses Introduced

S.No	Generic/ Discipline Specific with Sem.	Course Code	Course Title	Relevance Scope for					Need for Intro- duction
				L	R	N	G	Em p	
1.	Discipline Specific	EC1	Mathematics - IIT for Physics	✓				✓	As per TANSCHE Guide Lines
2.	Discipline Specific	EC2	Mathe- matics II for Physics Chemistry	✓				✓	

Skill Enhancement / Foundation / Ability Enhancement Course

S.No.	SEC/FC/ AECE	Course Code	Course Title	Relevance to					Scope for	Need for Intro- duction
				L	R	N	G	Em p		
1.	SEC1	23M1SE1/ 23G1SE1	Quantitative Aptitude	✓				✓		As per TANSCHE Guide Lines
2.	FC	23M1FC/ 23G1FC	Foundation Course	✓				✓		
3.	SEC2	23M2SE3/ 23G2SE3	Mathematics for Competitive Examinations	✓				✓		
4.	SEC3	23M2SE2/ 23G2SE2	Data Interpre- tation	✓				✓		

2 Pg - Core Courses Introduced

S.No	Course Code	Course Title	Relevance to				Scope for			Need for Introduction
			L	R	N	G	Emp	Entire	SD	
1.	23PG1M1	Algebraic Structures				✓			✓	As per TANSCHÉ Guidelines
2.	23PG1M2	Real Analysis-I				✓			✓	Guidelines
3.	23PG1M3	Differential Equations				✓			✓	As per TANSCHÉ Guidelines
4.	23PG2M4	Advanced Algebra				✓			✓	As per TANSCHÉ Guidelines
5.	23PG2M5	Real Analysis-II				✓			✓	Guidelines
6.	23PG2M6	Mechanics				✓				

Elective Courses Introduced.

S.No	Generic Discipline Specific	Course Code	Course Title	Relevance to				Scope for			Need for Introduction
				L	R	N	G	Emp	Entire	SD	
1.	Discipline Specific	23PG1ME3	Number Theory				✓				As per TAN SCHE
2.	D.S.	23PG1ME4	Fuzzy Sets and its applications				✓				Guidelines
3.	D.S.		Mathematical Statistics				✓				
4.	D.S.		Graph Theory				✓				

Skill Enhancement / Ability Enhancement Course

S.No.	SEC / AECC	Course Code	Course Title	Relevance to				Scope for			Need for
				L	R	N	A	Eng	ENT	S	
1.	SEC 1	23PG1SE1	Optimization Method - I			✓					As per TANSCH Guidelines
2.	SEC 2	23PG2SE1	Optimization Method - II			✓					

1. Introduction of Value-added Course - Certificate / Diploma / Advanced Diploma - Nil
2. Introduction of Purely Skill-Embedded Certificate / Diploma / Advanced Diploma Course - Nil.

The Board Scrutinized II & III UG Syllabus and II PG Syllabus. The Board approved the Syllabus for new flexible papers.

23MSME1 / 23G5ME1 - Numerical Methods and
23MSME2 / 23G5ME2 - Vector Calculus and
Fourier Transforms.

The Board also approved the following Allied / Elective Courses offered by the Mathematics Department (BF) for B.Sc. II.

19G1A11 - Discrete Mathematics, 19G2A12 - Operations Research

The Board approved the following papers for III and IV Semesters of M.Sc Mathematics

III Semester

CC7 - Complex Analysis

CC8 - Measure theory

CC9 - Topology

EC5 - Algebraic Number Theory

Core Industry Module - Industrial Statistics.

SE3 - By the Dept - Research Methodology

IV Semester

Functional Analysis

Differential Geometry

Combinatorics

EC6 - Formal Languages

Professional Competency Skill Enhancement Course - NET/UGC-CSIR/SET/TRB

Competitive Examinations - By the Dept.

The Board approved the following papers for III, IV, V & VI Semesters of B.Sc Mathematics.

III Semester

CC5 - Vector Calculus and its Applications

CC6 - Differential Equations and its Applications

EC3 - Mathematics for Computer Science & Linear Programming

SEC 4 - MATLAB

SEC 5 - Fourier Transforms

Semester IV

CC7 - Industrial Statistics

CC8 - Mathematical Analysis

EC4 - 1. Mathematics for Computer Science

2. Mathematics II for Chemistry

SEC 7 - Applications of Differential Equations and Calculus

Semester V

CC9 - Abstract Algebra

CC10 - Real Analysis

CC11 - Mathematical Modelling

EC5 - Numerical Methods

EC6 - Fuzzy Sets and its Applications

CC12 - Project with Viva Voce

Semester VI

CC13 - Linear Algebra

CC 14 - Complex Analysis

CC 15 - Mechanics

EC 7 - Operations Research

EC 8 - Lattices and Boolean Algebra

The Board Scrutinized II & III UG Syllabus and there are no changes in the Syllabus. The following are the Papers with out any change.

UG - 19M3CC5 / 19G3CC5 - Modern Algebra

19M3CC6 / 19G3CC6 - Advanced Statistics

19M4CC7 / 19G4CC7 - Sequences and Series

19M4CC8 / 19G4CC8 - Linear Algebra

19M5CC9 / 19G5CC9 - Real Analysis

19M5CC10 / 19G5CC10 - Statics

19M5CC11 / 19G5CC11 - Linear Programming

19M5CC12 / 19G5CC12 - Graph Theory

19M6CC13 / 19G6CC13 - Complex Analysis

22M6CC14 / 22G6CC14 - Dynamics

19M6CC15 / 19G6CC15 - Operations Research

19M6ME3 / 19G6ME3 - Fuzzy Mathematics

19M6ME4 / 19G6ME4 - Theory of Numbers

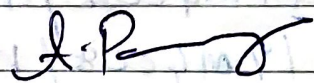
19M6ME5 / 19G6ME5 - Lattices and Boolean Algebra

19M6ME6 / 19G6ME6 - Discrete Mathematics

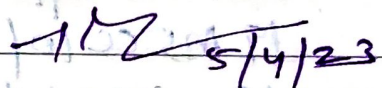
PA - 19 PA 3 M 9 - Measure and Integration
 19 PA 3 M 10 - Optimization Techniques
 19 PA 3 M 11 - Combinatorics
 19 PA 3 M 12 - Topology
 21 PA 3 ME 1 / 19 PA 3 ME 2 - Fuzzy Sets and its
 Applications / Numerical Analysis
 19 PA 4 M 13 - Complex Analysis
 19 PA 4 M 14 - Statistics
 19 PA 4 M 15 - Methods of Applied Mathematics
 19 PA 4 M 16 - Functional Analysis
 19 PA 4 ME 3 - Formal Languages
 19 PA 4 ME 4 - Algebraic Graph Theory

NAME SIGNATURE

1. Dr. A. Paulin Mary



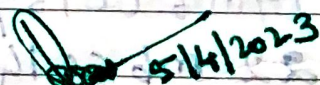
2. S. MURALISANKAR

 5/4/23

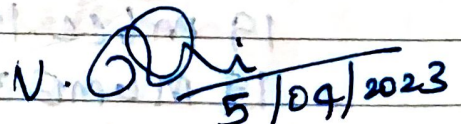
3. Dr. M. Navaneetha Krishnan

 5/4/23

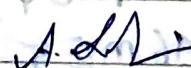
4. Dr. D. Muthusamakrishnan

 5/4/2023

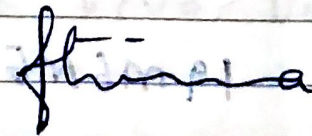
5. Dr. K. P. V. Preethi

 5/04/2023

6. A. Sheela Roselin



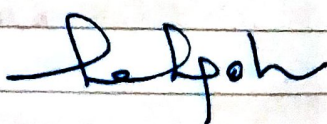
7. Dr. Sr. M. Fatima Mary



8. Dr. C. Prasanna Devi



9. Dr. E. Helena



10. Mrs. Nigila Ragavan Nigila
11. M. Teresa Nirmala M. Teresa Nil
12. Dr. V. Vanitha V. Val
13. Dr. M.V. Sethu Meenakshi M.V. Sethu
14. Dr. Jose Little Flower A. Josefl
15. Mrs. R. Rajeswari R. Raj
16. Mrs. R. Jenovi Rosary Deepa R. Jenovi
17. Mrs. B. VETHAMARY JACQUELINE B. Vethamary
18. Mrs. J. Annaal Mercy J. Annaal
19. Dr. K. Amutha K. Amutha
20. Dr. M. Subha M. Subha
21. Dr. J. JOSELINE CHARISMA J. Josefine
22. Dr. A. Rajeswari A. Rajeswari

05/04/2023

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