

J.J. College of Arts and Science (Autonomous)

Sivapuram Post, Pudukkottai – 622 422

(Re-Accredited by NAAC – 4th Cycle)

Affiliated to Bharathidasan University, Tiruchirappalli

Department of Mathematics

Minutes of the Board of Studies in Mathematics

Meeting No: 11

Date: 24.04.2026 & Time: 11.00 a.m.

The Meeting of the Board of Studies in Mathematics (U.G. and P.G.) for the **Seventh Revision of the Curricula** to be implemented from **2026-2027**, was conducted at 11.00 a.m. on Friday, **24.04.2026**.

Members List

S.No.	Name	Designation	Signature
1.	Dr. O. Uma Maheswari Assistant Professor and Head Department of Mathematics	Chairman	O. Uma 24/4/26
2.	Dr. N.Rajesh Associate Professor, Department of Mathematics, Rajah Serfoji Govt. College(A) Thanjavur- 613 005	University Nominee	N. Rajesh 24/4/26
3.	Dr. N. Anbazhagan Senior Professor and Head, Department of Mathematics, Alagappa University, Karaikudi.	Subject Expert	N. Anbazhagan 24.04.26
4.	Dr. R. Uthayakumar Senior Professor, Department of Mathematics, Gandhigram Rural Institute, Gandhigram, Dindigul	Subject Expert	R. Uthayakumar 24/4/26
5.	Mr. A. Anandaraj Assistant Professor	Member	A. Anandaraj 24/04/26
6.	Mr. G. Santhoshkumar Assistant Professor	Member	ABSENT
7.	Mr. K. Arun Assistant Professor	Member	K. Arun 24/4/26
8.	Dr. M. Kavitha Assistant Professor	Member	M. Kavitha 24/4/26
9.	Ms. B. Kavitha PG Assistant, Govt. Hr. Sec. School, Thirumayam, Pudukkottai Dt.	Representative from Industry	B. Kavitha 24/4/26
10.	Ms. MD. Midra Deputy Nazir in Judicial Department Pudukkottai Dt.	Alumni	- ABSENT -

Minutes

The Chairman, **Dr. O. Uma Maheswari** chaired the meeting and welcomed all the members to the Eleventh BoS Meeting. After the brief introduction, the agenda listed below were taken up for discussion and the following resolutions were passed after deliberation.

1. Ms. S. Kanaka, Assistant Professor Department of Mathematics excluded in the member of BoS.
2. It is resolved to modify and follow a total of **46 courses, 4600 marks and 148 credits** for the B.Sc. Mathematics Programme and **22 courses, 2200 marks and 95 credits** for the M.Sc. Mathematics Programme.
3. It is resolved to include one **Value Added Course** with **2 extra credits** in M.Sc. Mathematics.
4. Have the following structure for the B.Sc. Mathematics and M.Sc. Mathematics Programmes.

Distribution of Courses – B.Sc. Mathematics

Part	Semester	Course	No. of Course	Credit	Marks
I	1 – 4	Language – (Tamil/Hindi/French/Sanskrit)	04	12	400
II	1 – 4	Language – English	04	12	400
III	1 – 6	Core Course (Theory & Practical)	15	96 (CC – 69, AC – 18, DSE – 09)	2400
	1 – 4	Allied Course (Theory & Practical)	06		
	5 & 6	Discipline Specific Elective	03		
IV	5	Internship	01	02	100
	3,4&5	Skill Enhancement Course (SEC)	03	06	1200
	1&2	Generic Elective Course (IDC)	02	04	
	3, 4, 5&6	Ability Enhancement Compulsory Course (AECC) (EVS, VE, DM, GS)	04	08	
	4 & 5	Self – Learning Course	02	04	
	6	Value Added Course	01	02	
V	3	Health and Wellness	01	01	100
	6	Extension Activity	-	01	-
Grand Total			46	148	*4600

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Distribution of Courses – M.Sc. Mathematics

S.No.	Semester	Course	No. of Courses	Credits	Marks
1.	1 – 4	Core Courses (Theory & Practical)	12	60	1200
2.	1 – 3	Discipline Specific Elective Course	03	12	300
3.	1, 2 & 3	Skill Enhancement Course	03	09	300
4.	3	Generic Elective Course	01	03	100
5.	4	Project Work	01	07	100
6.	3	Internship	01	02	100
7.	2	Self – Learning Course	01	02	100
Total			22	95	2200
8.	4	Value Added Course – Extra Credit	01	02	-
Grand Total			23	97	2200

5. The Revised Syllabus will be implemented from the Academic Year 2026 – 2027 onwards.
6. In this Board of Studies meeting, the Syllabus for first two Semesters have been passed.
7. In the present revision and modification, the General instructions on Curriculum Design, Course Structure, Uniformity of standards etc., given by the UGC - LOCF, AICTE, NAAC, TANSCH and the Parent University have been scrupulously followed.
8. Resolved to include online courses like SWAYAM/SWAYAM PLUS in the both U.G. and P.G. Curriculum.
9. **Resolved to have the following 15 Core Courses for B.Sc. Mathematics Semester wise as follows**

SEMESTER I

1. Algebra and Trigonometry (Retained as it is)
2. Differential Calculus (Retained as it is)

SEMESTER II

1. Analytical Geometry (2D & 3D) (Retained as it is)
2. Integral Calculus (Retained as it is)

SEMESTER III

1. Vector Calculus and Fourier Series (Retained as it is)
2. Differential Equations and Laplace Transforms (Retained as it is)



SEMESTER IV

1. Sequences and Series (Retained as it is)
2. Classical Algebra and Theory of Numbers (Retained as it is)

SEMESTER V

1. Mechanics (Title only retained as it is but the content changed)
2. Modern Algebra (Newly Introduced)
3. Real Analysis (Newly Introduced)
4. Programming in C++ Practical (Retained as it is)

SEMESTER VI

1. Complex Analysis (Newly Introduced)
2. Numerical Methods with MATHLAB – Practical (Retained as it is)
3. Project Work (Retained as it is)

10. Resolved to have the following Discipline Specific Elective (DSE) Courses for B.Sc. Mathematics

SEMESTER V DSE -1

1. Numerical Methods (Newly Introduced)
2. Introduction to Data Science (Retained as it is)

SEMESTER VI DSE -2

1. Operations Research (Retained as it is)
2. Discrete Mathematics (Retained as it is)

DSE -3

1. Astronomy (Retained as it is)
2. Combinatorial Mathematics (Retained as it is)

11. Resolved to have the following Skill Enhancement Courses for B.Sc. Mathematics

SEMESTER III

SEC 1

1. Quantitative Aptitude (Newly introduced)
2. Computational Mathematics (Retained as it is)

SEMESTER IV

SEC 2

1. Theory of Games and Decision Theory (Retained as it is)
2. Introduction to Geogebra (Retained as it is)

SEMESTER V

SEC 3

1. Graph theory and its Applications (Retained as it is)
2. Fuzzy Mathematics (Retained as it is)

12. Resolved to have the following Allied Courses for B.Sc. Mathematics

SEMESTER I

1. Mathematical Statistics – I (Newly Introduced)
2. R Programming – Practical (Newly Introduced)

SEMESTER II

1. Mathematical Statistics – II (Newly Introduced)
2. SPSS - Practical (Retained as it is)

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SEMESTER III

1. Allied Physics (Retained as it is)

SEMESTER IV

1. Allied Physics – Practical (Retained as it is)

13. Resolved to have the following Ability Enhancement Compulsory Courses for B.Sc. Mathematics

SEMESTER III

1. Value Education (Retained as it is)

SEMESTER IV

1. Environmental Studies (Retained as it is)

SEMESTER V

1. Introduction to Disaster Management (This course is newly introduced)

SEMESTER VI

1. Gender Studies (Retained as it is)

14. Resolved to have the following Generic Elective Courses offer to other Department.

SEMESTER I

1. Quantitative Aptitude – I (Retained as it is)

SEMESTER II

1. Quantitative Aptitude – II (Retained as it is)

15. Resolved to have the following Courses for B.Sc. Mathematics

SEMESTER III

1. Health and Wellness (Retained as it is)

SEMESTER V

1. Internship (Retained as it is)

16. Resolved to have the following Self Learning Courses for B.Sc. Mathematics

SEMESTER IV

1. Online Course (SWAYAM/SWAYAM PLUS) (This course is newly introduced)
- or
2. Data Analysis using SageMath (This course is newly introduced)

SEMESTER V

1. Logics and Boolean Algebra (This course is newly introduced)
2. Number Theory (Retain as it is)

17. Resolved to have the following Value Added Course for B.Sc. Mathematics

SEMESTER VI

1. Vedic Mathematics (This course is newly introduced)

18. Resolved to have the following 13 Core Courses for M.Sc. Mathematics semester wise

SEMESTER I

1. Abstract Algebra (Newly introduced)
2. Ordinary Differential Equations (Retained as it is)
3. Modeling & Simulation with Excel – Practical (Retained as it is)

SEMESTER II

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1. Real Analysis (Newly introduced)
2. Partial Differential Equations (Newly introduced)
3. Programming in MATHLAB – Practical (Newly introduced)

SEMESTER III

1. Complex Analysis (Retained as it is)
2. Fluid Dynamics (Retained as it is)
3. Topology (Retained as it is)
4. Numerical Analysis (Newly introduced)

SEMESTER IV

1. Functional Analysis (Retained as it is)
2. Stochastic Processes (Retained as it is)
3. Project Work (Retained as it is)

19. Resolved to have the following Discipline Specific Elective Courses M.Sc. Mathematics Semester wise.

SEMESTER I

DSE 1

1. Advanced Graph Theory (Contents are changed)
2. Measure Theory and Integration (Newly introduced)

DSE 2

1. Mathematical Statistics (Retain as it is)
2. Fuzzy sets and Their Applications (Retained as it is)

SEMESTER II

DSE 3

1. Calculus of Variations and Integral Equations (Retained as it is)
2. Classical Mechanics (Newly introduced)

20. Resolved to have the following Skill Enhancement Courses for M.Sc. Mathematics

SEMESTER I

SEC 1

1. Numerical Ability and Reasoning (Retained as it is)
2. Automata Theory (Newly Introduced)

SEMESTER II

SEC 2

1. Optimization Techniques (Retained as it is)
2. Differential Geometry (Retained as it is)

SEMESTER II

SEC 3

1. Entrepreneurship for Mathematics (Newly introduced)

21. Resolved to have the following Self Learning Course for M.Sc. Mathematics

SEMESTER II

1. Online Course (SWAYAM'SWAYAM PLUS) (Newly introduced)

22. Resolved to have the following Generic Elective Course offer to other department.

SEMESTER III

GEC

1. R Programming- Practical (Newly introduced)

23. Resolved to have the following Course for M.Sc. Mathematics

SEMESTER III

1. Internship (Retained as it is)

24. Resolved to have the following Allied Courses for B.Sc Computer Science/Data Science/ Physics/ Chemistry/ Bio Chemistry/Micro Biology/BCA and BBA.

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24. Resolved to have the following Allied Courses for B.Sc Computer Science/Data Science/ Physics/ Chemistry/ Bio Chemistry/Micro Biology/BCA and BBA.

1. Mathematics-I- (Retained as it is)
2. Mathematics-II (Retained as it is)
3. Numerical Methods (Retained as it is)
4. Essential of Mathematics (Newly introduced)
5. Operations Research (Newly introduced)
6. Mathematical Statistics (Newly introduced)
7. Discrete Mathematics (Newly Introduced)
8. Bio Statistics(Retained as it is)
9. SPSS – Practical (Retained as it is)
10. Business Mathematics and Statistics (Retained as it is)

25. Resolved to have the following Courses for M.Sc Computer Science/MCA/ MBA

1. Quantitative Techniques and Research Methods in Business (Retained as it is)
2. Discrete Mathematics (Retained as it is)
3. Mathematical Foundation for Computer Science (Retained as it is)
4. Operations Research (Retained as it is)
5. Bio Statistics and Data Science (Retained as it is)

26. It is resolved to convene a Board of Studies meeting in the coming days (if the need arises) to incorporate the Modifications / Updations in the Curriculum based on the communication from the Parent University / TANSCH.

27. It is resolved to follow the evaluation pattern CIA: 30 Marks and Written Examination: 70 Marks from the Academic Year 2026 – 2027.

1. D. Uma 24/4/26
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திருமயம்