



**MARUDHAR KESARI JAIN COLLEGE FOR WOMEN(AUTONOMOUS),
VANIYAMBADI**

PG & RESEARCH DEPARTMENT OF MATHEMATICS

BRIDGE COURSE 2025-2026

COURSE NAME: MATHEMATICS

Course objectives

1. To Understand basic numerical concepts, index laws, geometric forms, and terminology.
2. To Understand the principles of algebra, trigonometry and matrices.
3. To Master on derivatives, differentiation, and coordinate geometry concepts.
4. To Understand finite differences and interpolation techniques.
5. To Explore math's applications and career scope.

Section	Topic	Pedagogy Activity	Staff Incharge
1	Basic Mathematics Numbers & Operations - Fundamental formulas - Laws of Indices - Geometry Basics- Basic shapes and their properties - Nomenclature (terminology) - Laws of indices	Presentation	Dr.S.Pallavi
2	Algebra & Trigonometry Algebraic Concepts - Formulas on Progression (AP, GP, HP) - Elementary Techniques (Factorization, Simplification) - Matrices (Basic Operations, Properties) – Trigonometry - Special Triangles & Trigonometric Ratios	Lecture Method	N.Mahalakshmi
3	Calculus & Analytical Geometry Differential Calculus - Derivatives & Differential Coefficients - Basic Differentiation Formulas - Analytical Geometry - Coordinate Geometry Basics - Length, Slope and Angle Between Lines	Lecture Method	G.Aruna
4	Numerical Methods Finite Differences Interpolation Techniques- Forward & Backward Differences - Difference Operators (Δ , ∇ , δ)	Lecture Method	S.Susitha
5	Values of Mathematics Applications & Career Prospects of Mathematics- Scope & Importance Emerging Trends & Technologies - Career Opportunities	Presentation	Ms.S.Semmalar

Course Outcomes

Students will be able to

- Use basic math, simplify with indices, and describe shapes correctly.
- Solve problems in matrices and trigonometry.
- Compute derivatives, analyze geometric properties, and work with equations of lines
- Apply difference operators and interpolation methods to solve numerical problems.
- Identify math's role in technology and professions.

Assessment

Multiple choice questions.

J. S. 29/5/25

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Bridge Course – Time Table (2025-2026)

Hour Day Order	1	2	3	4	5
DAY 1	Beyond Curriculum and Exam Pattern Dr.M.Srinivasan	Values of Mathematics S.Semmalar	Communicative English	Algebra & Trigonometry N.Mahalakshmi	Basic Mathematics Dr.S.Pallavi
DAY 2	Motivational Class Dr.Merlin Mythili	Calculus & Analytical Geometry G.Aruna	Communicative English	Bridge Course on Mathematics Primer	Numerical Methods S.Susitha
DAY 3	Algebra & Trigonometry N.Mahalakshmi	Bridge Course on Mathematics Primer	Communicative English	Values of Mathematics S.Semmalar	Communicative English
DAY 4	Basic Mathematics Dr.S.Pallavi	Communicative English	Bridge Course on Mathematics Primer	Communicative English	Sports
DAY 5	Communicative English	Numerical Methods S.Susitha	Communicative English	Calculus & Analytical Geometry G.Aruna	Bridge Course on Mathematics Primer

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PG & RESEARCH DEPARTMENT OF MATHEMATICS

2025 - 2026

BRIDGE COURSE – MATHEMATICS

09.06.2025 - 13.06.2025

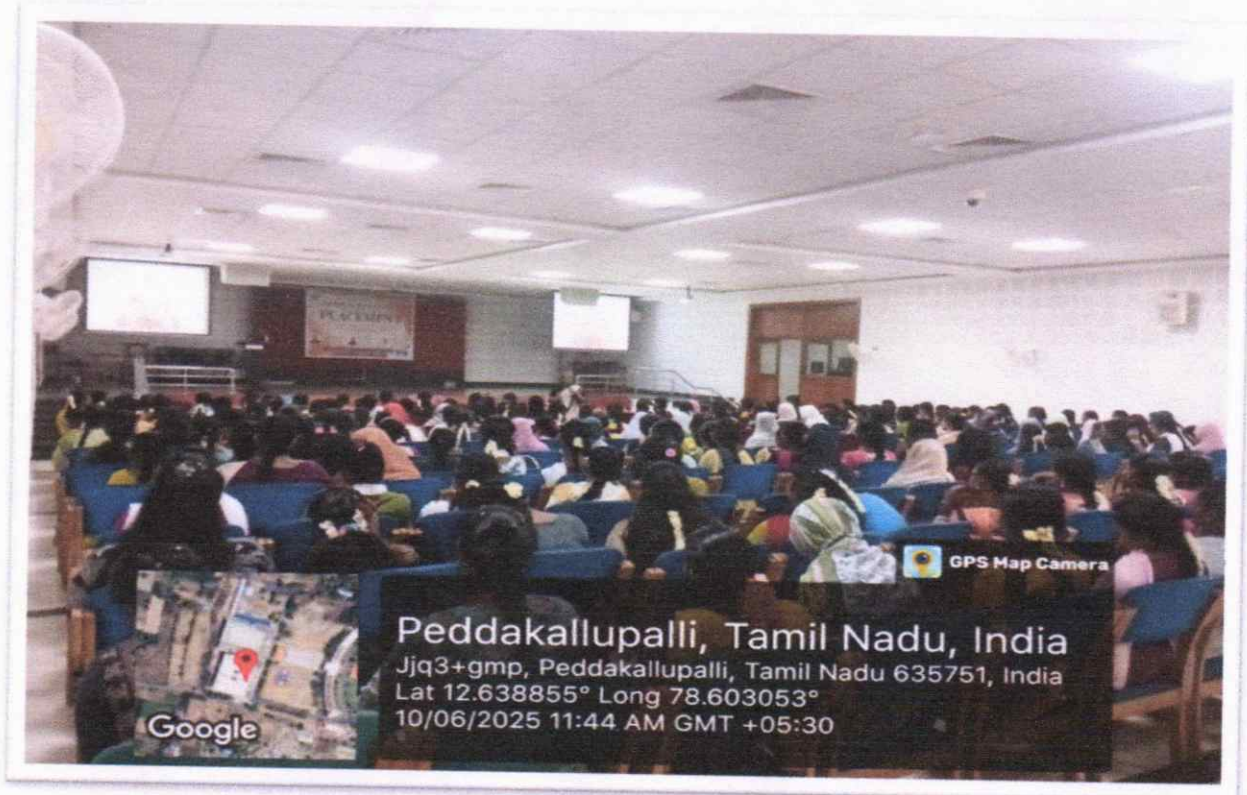
PHOTOS



S. S. S.
13/6/25
HOD

S. S. S.
23/6/25
DEAN

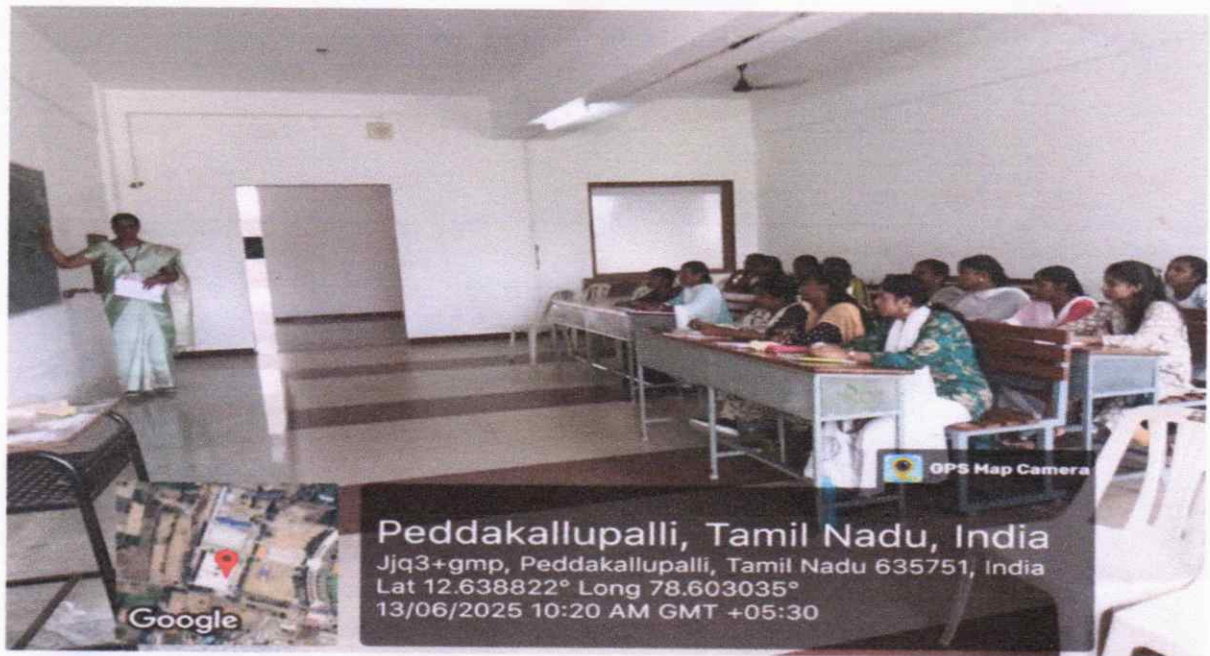
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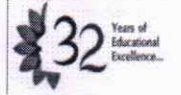
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Vaniyambadi

Bridge Course Attendance

Department : Mathematics

Academic Year :2025-2026

Class: I B.Sc Mathematics

Course Name: Mathematics

S.No	Name of the Student	Signature				
		09.06.25	10.06.25	11.06.25	12.06.25	13.06.25
1	Afeefa Mariyam K	Afeefamariyam	Afeefamariyam	AAA	AAA	AAA
2	Haripriya k	K. Haripriya	K. Haripriya	K. Haripriya	K. Haripriya	K. Haripriya
3	Hemasri P	P. Hemasri	P. Hemasri	P. Hemasri	P. Hemasri	P. Hemasri
4	Kanimozhi V	V. Kanimozhi	V. Kanimozhi	V. Kanimozhi	V. Kanimozhi	V. Kanimozhi
5	Kavi T	T. Kavi	T. Kavi	T. Kavi	T. Kavi	T. Kavi
6	Keerthana G	G. Keerthana	G. Keerthana	G. Keerthana	G. Keerthana	G. Keerthana
7	Malavika S	S. Malavika	S. Malavika	S. Malavika	S. Malavika	S. Malavika
8	Naveena P	P. Naveena	P. Naveena	P. Naveena	P. Naveena	P. Naveena
9	Niranjana A	A. Niranjana	A. Niranjana	A. Niranjana	A. Niranjana	A. Niranjana
10	Pavithra S	S. Pavithra	S. Pavithra	S. Pavithra	S. Pavithra	S. Pavithra
11	Poovizhi B	AAA	AAA	AAA	AAA	AAA
12	Preethi V	V. Preethi	V. Preethi	V. Preethi	V. Preethi	V. Preethi
13	Puvithra V	V. Puvithra	V. Puvithra	V. Puvithra	V. Puvithra	V. Puvithra
14	Sangavi K	K. Sangavi	K. Sangavi	K. Sangavi	K. Sangavi	K. Sangavi
15	Sivapriya M	M. Sivapriya	M. Sivapriya	M. Sivapriya	M. Sivapriya	M. Sivapriya
16	Thulasi D	D. Thulasi	D. Thulasi	D. Thulasi	D. Thulasi	D. Thulasi
17	Yazhini K	K. Yazhini	K. Yazhini	K. Yazhini	K. Yazhini	K. Yazhini

S. B. K.
CLASS INCHARGE

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Bridge Course Feedback

Department : Mathematics

Academic Year :2025-2026

Class: I B.Sc Mathematics

Course Name: Mathematics

S.No	Name of the Student	Feedback
1	Afeefa Mariyam K	—
2	Haripriya k	The class is very interesting, game and speaking. useful for class.
3	Hemasri P	It improve My knowledge, It is very useful for me.
4	Kanimozhi V	It is useful to improve my knowledge and Very interesting.
5	Kavi T	Its very useful for aptitude question and games are interesting
6	Keerthana G	The class is very interesting, game and speaking useful for class
7	Malavika S	It is useful to improve my knowledge in mathematics and it is very interesting to learn.
8	Naveena P	It is useful, It is very interesting I like this Bridge course.
9	Niranjana A	It is useful to improve my knowledge in maths and it is very interesting to learn.
10	Pavithra S	The class is very interesting, I like This Bridge course.
11	Poovizhi B	—

12	Preethi V	It is useful and very Interesting.
13	Puvithra V	and In the bridge course. The class was very interesting, and useful.
14	Sangavi K	I like bridge course, it very useful and interesting.
15	Sivapriya M	I like bridge course, The class. was very interesting.
16	Thulasi D	It is very use ful and very Interesting and I like bridge course.
17	Yazhini K	The bridge course is very. useful. and it helps to learn. Basic things in maths, I like this class

S. F. K.
CLASS INCHARGE

S. S. S. 13/6/25
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S. S. S. 16/6/25
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