

**J.J. College of Arts and Science (Autonomous)**  
**J.J. Nagar, Sivapuram Post, Pudukkottai**

**Department of Mathematics**

**B.Sc. Mathematics**

**1.1.3 Courses offered on Employability/ Entrepreneurship/ Skill Development during the year.**

Sl. No.	Name of the Course	Course Code	Employability	Entrepreneurship	Skill Development
1	Algebra and Trigonometry	U1R3MACC1			✓
2	Differential Calculus	U1R3MACC2			✓
3	Numerical Methods with Applications	U1R3 MADSE1:1	✓		
4	Mathematical Statistics	U1R3 MADSE1:2	✓		
5	Quantitative Aptitude-I	U1R3MASEC1:1	✓		
6	Basic Mathematics	U1R3MASEC1:2			✓
7	Data Analytics by using SPSS	U1R3MASEC1:3P	✓		
8	Bridge Mathematics	U1R3MAFC			✓
9	Analytical Geometry (2D &3D)	U2R3MACC3			✓
10	Integral Calculus	U2R3MACC4	✓		
11	R Programming	U2R3MADSE2:1P	✓		
12	Discrete mathematics	U2R3 MADSE2:2			✓
13	Quantitative Aptitude-II	U2R3MASEC2:1		✓	
14	Statistics with R	U2R3MASEC2:2P	✓		
15	Bio Statistics	U2R3MASEC2:3	✓		
16	A Primer on Divisibility and Number Sequences	U2R3MASEC3			✓

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**Head of the Department**

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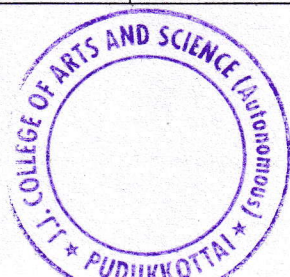
**Department of Mathematics  
M.Sc. Mathematics**

**1.1.3 Courses offered on Employability/ Entrepreneurship/ Skill Development during the year.**

Sl. No.	Name of the Course	Course Code	Employability	Entrepreneurship	Skill Development
1.	Algebraic Structure	P1R3MACC1			✓
2.	Real Analysis – I	P1R3MACC2			✓
3.	Ordinary Differential Equations	P1R3MACC3	✓		
4.	Number theory and Cryptography	P1R3MADSE1:1	✓		
5.	Graph theory and Applications	P1R3MADSE1:2	✓		
6.	Formal Languages and Automata Theory	P1R3MADSE1:3	✓		
7.	Programming in C++ and Numerical methods	P1R3MADSE1:4	✓		
8.	Lie Groups and Lie Algebras	P1R3MADSE2:1	✓		
9.	Mathematical Programming	P1R3MADSE2:2	✓		
10.	Fuzzy sets and their Applications	P1R3MADSE2:3			✓
11.	Discrete Mathematics	P1R3MADSE2:4			✓
12.	Advanced Algebra	P2R3MACC4			✓
13.	Real Analysis – II	P2R3MACC5			✓
14.	Partial Differential Equations	P2R3MACC6	✓		
15.	Algebraic topology	P2R3MADSE3:1	✓		
16.	Mathematical statistics	P2R3MADSE3:2	✓		
17.	Statistics data analysis using R Programming	P2R3MADSE3:3	✓		
18.	Tensor analysis and Relativity	P2R3MADSE3:4		✓	
19.	Wavelets	P2R2MADSE4:1	✓		
20.	Modeling and Simulation with Excel	P2R2MADSE4:2	✓		
21.	Machine Learning and Artificial Intelligence	P2R2MADSE4:3	✓		
22.	Neural Networks	P2R2MADSE4:4	✓		
23.	Mathematical Documentation using LATEX	P2R3MASEC2			✓

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