

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

2.3.2 Details of ICT Enabled Teaching Resources

Department : Mathematics

Academic Year : 2023 - 2024

Name of the Staff : Dr. O. Uma Maheswari

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	05-07-2023 D6.	III B.Sc Maths	Real Analysis	Limits and Continuity	You Tube.
2.	10-08-2023 D2	I B.Sc Maths.	Differential Calculus	Finnmen Equation.	You Tube
3.	18-08-2023 D6.	I B.Sc Maths	Differential Calculus	Trigonometrical Transformation	PPT
4.	13-10-2023 D6.	III B.Sc Maths.	Real Analysis.	Riemann Integration.	PPT
5.	13-10-2023 D6	I B.Sc Maths	Foundation Mathematics.	Binomial Theorem.	PPT
6.	16-10-2023 D1	III B.Sc Maths	Quantitative Aptitude	Simple Interest & Compound Interest.	PPT
7.	20-10-2023 D3.	III B.Sc Maths	Quantitative Aptitude.	Average.	PPT

O. Uma
Signature of the Staff

O. Uma
Head of the Department
DR. O. UMA MAHESWARI,
 M.Sc., M.Phil., P.G.D.C.A., Ph.D.
 Head & Assistant Professor,
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Principal
DR. PARASURAMAN,
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2.3.2 Details of ICT Enabled Teaching Resources

Department : Mathematics
 Name of the Staff : Dr. O. Uma Maheswari

Academic Year : 2023 - 2024
 Semester : ~~Odd~~ / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	14.12.2023 D4	II M.Sc Maths	Functional Analysis.	Normed Linear Space	PPT
2.	10.01.2024 D1	II M.Sc Maths	Functional Analysis	Linear Transformation.	PPT
3.	15.02.2024 D5	II M.Sc Maths	Functional Analysis.	Hilbert Spaces.	PPT
4.	15.02.2024 D5	I M.Sc Maths	Real Analysis-II	Cesaro Summability of Fourier Series.	You Tube
5.	20.02.2024 D2	I M.Sc Maths	Real Analysis-II	Fejer's Theorem.	You Tube
6.	13.03.2024 D4	I M.Sc Maths	Real Analysis-II	Mean Value Theorem.	You Tube



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2.3.2 Details of ICT Enabled Teaching Resources

Department : MATHEMATICS

Academic Year : 2023 - 2024

Name of the Staff : Mr. A. ANANDARAJ

Semester : Odd / ~~Even~~

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	21.06.2023	I M.Sc	Discrete Mathematics	Logical Mathematics	PPT
2.	26.06.23	II M.Sc	Measure Theory	Measure on Real Line	PPT
3.	06.07.23	I MCA	Discrete Mathematics	Relations	PPT
4.	04.08.23	III B.Sc IT	Quantitative Aptitude	Percentage	PPT
5.	16.08.23	II M.Sc	Measure Theory	Convergence	You Tube
6.	30.08.23	I MCA	Discrete Mathematics	Lattices and Boolean algebra	You Tube



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2.3.2 Details of ICT Enabled Teaching Resources

Department : MATHEMATICS
Name of the Staff : A. ANANDARAJ

Academic Year : 2023 - 2024
Semester : ~~Odd~~ / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	13.12.23	II M.Sc MATHS	Fuzzy sets	Difference between crisp sets & Fuzzy sets	PPT
2.	20.12.23	III BCA	Quantitative Aptitude	Divisibility	PPT
3.	29.12.23	II BBA 'A'	Operations Research	Transportation Problem	PPT
4.	24.01.24	II M.Sc MATHS	Fuzzy sets	Fuzzy Relations	PPT
5.	27.02.24	III B.Sc MATHS	Fuzzy Logic	Membership Function	You Tube
6.	07.03.24	II BBA 'A'	Operations Research	Assignment Problem	PPT



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2.3.2 Details of ICT Enabled Teaching Resources

Department : Mathematics

Academic Year : 2023 - 2024

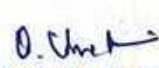
Name of the Staff : K. Arun

Semester : Odd / ~~Even~~

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	3/7/23 13.12.23	III B.Sc Maths	Operations Research	Linear Programming Problem - Graphical Method	PPT
2	3/10/23 20.12.23	III B.Sc Maths	Operations Research	Transportation Problem	PPT
3	18/7/23 29.12.23	I M.Sc Maths	Optimization Techniques	Fractional cut Method	Youtube
4	17/8/23	I M.Sc Maths	Optimization Techniques	Klotter's Modified simplex method	PPT
5	29/8/23	I B.Sc Maths	Mathematical Statistics	Harmonic Mean	PPT
6	5/9/23	I B.Sc Maths	Mathematical Statistics	Rank Correlation	PPT




Signature of the Staff


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2.3.2 Details of ICT Enabled Teaching Resources

Department : Mathematics

Academic Year : 2023 - 2024

Name of the Staff : K. Arun

Semester : ~~Odd~~ / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	21/12/23	I M.Sc	Mathematical Statistics	Method of Minimum Variance	PPT
2	18/1/24	I M.Sc	Mathematical Statistics	Two-Way Classification ANOVA	PPT
3	5/1/24	I MBA	Applied Operations Research	Simplex Method	PPT
4	14/2/24	I MBA	Applied Operations Research	Networks Problem PERT	Yesube
5	19/1/24	I B.Sc Maths	A prime on Divisibility & number sequence	Divisibility by 27 & 101	PPT
6	1/3/24	I B.Sc Maths	A prime on Divisibility & Number sequence	Mixed Sequence	PPT



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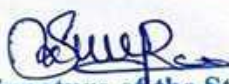
2.3.2 Details of ICT Enabled Teaching Resources

Department : Mathematics
Name of the Staff : S. Kanaka.

Academic Year : 2023 - 2024
Semester : Odd / ~~Even~~

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	18-7-2023	I M.Sc Maths	Real Analysis-I	Euler's Summation Formula	PPT
2.	29-9-2023	I M.Sc Maths	Real Analysis-I	Dirichlet's Test & Abel's Test	you Tube
3.	28-6-2023	II B.Sc Maths	Number Theory	Fermat's Numbers	PPT & you Tube
4.	6-7-2023	II B.Sc Maths	Number Theory	Linear Congruence	PPT
5.	10-10-2023	II B.Sc IT	operations Research	Assignment Problem	PPT
6.	11-8-2023	II B.Sc IT	operations Research	Transportation Problem on NWCR	you Tube
7.	26-6-2023	IV B.Sc CS 'A'	Quantitative Aptitude-I	Average	you Tube
8.	28-7-2023	I BCA 'B'	Quantitative Aptitude-I	Ratio and Proportion	PPT




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2.3.2 Details of ICT Enabled Teaching Resources

Department : Mathematics
 Name of the Staff : S. Kanaka.

Academic Year : 2023 - 2024
 Semester : ~~Odd~~ / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	25-12-24	I M.Sc Maths	Partial Diff Equations	one dimensional wave Equations	you Tube
2.	8-1-24	I M.Sc Maths	Partial Diff Equations	Heat Equations	PPT
3.	9-1-24	III B.Sc Maths	Complex Analysis	Power Series	PPT
4.	16-2-24	III B.Sc Maths	Complex Analysis	Higher Derivative	you Tube
5.	27-2-24	III B.Sc CS 'A'	Quantitative Aptitude - II	Binary system	you Tube
6.	6-3-24	I B.Sc CS 'B'	Graph Theory & its Applications	Konigsberg Bridge Problems	PPT



S. Kanaka
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2.3.2 Details of ICT Enabled Teaching Resources

Department : Mathematics
Name of the Staff : Dr. M. Kavitha

Academic Year : 2023 - 2024
Semester : Odd / Even.

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	6-7-2023	II M.Sc Maths	Complex Analysis	Abel's Theorem	You Tube
2.	28-7-2023	III B.Sc Maths	Mechanics	Varignon's Theorem of Moments	PPT
3.	26-6-23	III B.Sc Maths	Mechanics	Lami's Theorem	You Tube
4.	29-9-23	II M.Sc Maths	Complex Analysis	Properties of Harmonic Functions	You Tube
5.	11-8-23	I M.Sc Maths	Ordinary Differential Equations	Wronskian	PPT
6.	10-10-23	I M.Sc Maths	Ordinary Differential Equations	Bessel Equation	You Tube



Dr. Kavitha
Signature of the Staff

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J.J. College of Arts and Science (Autonomous)
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2.3.2 Details of ICT Enabled Teaching Resources

Department : Mathematics
Name of the Staff : Dr. M. Kavitha

Academic Year : 2023 - 2024
Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	20-12-24	I B.Sc CS-'c'	Graph Theory and its Applications	Konigsberg Bridge Problem	YouTube
2.	8-1-24	I M.Sc Maths	Partial Differential Equations	Classification of second order linear Equations	PPT
3.	9-1-24	III B.Sc CS 'B'	Quantitative Aptitude-II	Divisibility	PPT
4.	16-2-24	I B.Sc CS-'c'	Graph Theory and its Applications	Applications of Graph	YouTube
5.	27-2-24	I M.Sc Maths	Partial Differential Equations	Dirichlet Problems	e-PG Pathshala
6.	6-3-24	III B.Sc CS 'B'	Quantitative Aptitude-II	Coding and Decoding	YouTube & PPT



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

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2.3.2 Details of ICT Enabled Teaching Resources

Department : Mathematics

Academic Year : 2023 - 2024

Name of the Staff : K. JANAKI

Semester : Odd / ~~Even~~

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	20.7.2023	II B.Sc Maths	ANALYTICAL GEOMETRY (3D) & TRIGONOMETRY.	Equation of a plane and Examples	PPT.
2.	22.9.2023	II B.Sc Maths	ANALYTICAL GEOMETRY (3D) & TRIGONOMETRY.	Inverse Hyperbolic functions	Youtube.
3.	25.9.2023	IM.Sc Maths	ALGEBRAIC STRUCTURE	Triangular form	PPT.
4.	11.10.2023	IM.Sc Maths	Algebraic Structure.	Trace and Transpose	e-Pg Pathshala
5.	10.7.2023	III B.Sc (BC)	BIOSTATISTICS	Mean, Median, Mode.	Youtube.
6.	3.10.2023	I BCA B.Sc	NUMERICAL METHODS	Numerical Integration.	PPT
7.	21.8.2023	III BCA B.Sc	QUANTITATIVE APTITUDE - I.	Profit and Loss	PPT.



Signature of the Staff *K. Janaki*

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2.3.2 Details of ICT Enabled Teaching Resources

Department : Mathematics

Academic Year : 2023 - 2024

Name of the Staff : K. JANAKI

Semester : ~~Odd~~ / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	2.1.2024	IM.Sc Maths	ADVANCED ALGEBRA	The Transcendence 'e'	e-Pg Pathshala.
2.	26.2.2024	IM.Sc Maths	ADVANCED ALGEBRA.	Wedderburn Theorem.	PPT
3.	5.1.2024	III B.Sc Maths	FOUNDATION MATHEMATICS FOR COMPETITIVE EXAMINATION.	Time and Work	PPT.
4.	7.3.2024	III B.Sc Maths	FOUNDATION MATHEMATICS FOR COMPETITIVE EXAMINATION.	True discount	Youtube.
5.	19.12.2023	IM.Sc (BC)	BIOSTATISTICS AND DATA SCIENCE.	Graphical Representation of Data.	PPT.
6.	14.2.2024	I BCA B.Sec	QUANTITATIVE APTITUDE - II.	Permutation	Youtube.
7.	6.3.2024	I BCA B.Sec	QUANTITATIVE APTITUDE - II	Series Completion.	PPT.



Signature of the Staff

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2.3.2 Details of ICT Enabled Teaching Resources

Department : MATHEMATICS

Academic Year : 2023 - 2024

Name of the Staff : DEEPAK N.

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	12/7/2023	III B.Sc Maths	Numerical methods	Iteration method	You tube
2	7/9/2023	III B.Sc Maths	Numerical methods	Taylor series	You tube
3	26/7/2023	I B.Sc Phy/che	Mathematics - I	Leibniz theorem (Arclength)	Power Point Presentation
4	12/7/2023	II B.Sc Micro-Biology	Bio-statistics	Median of continuous data	You tube
5	24/7/2023	I B.E.A "C"	Quantitative Aptitude - I	Percentage	Power Point
6	4/1/2024	I B.Sc Maths	Analytical geometry	Intersection of three planes	Power point Presentation
7	13/2/2024	II B.Sc Botany	Bio-statistics	Karl Pearson coefficient	You tube
8	12/2/2024	II B.Sc Maths	Fourier Series and Laplace Transform	Fourier Cosine Series	Power Point Presentation
9	20/2/2024	III B.Sc IT	Quantitative Aptitude - II	Types of Numbers.	You tube
10	22/1/2024	I B.Sc Phy/che	Mathematics - II	Unitary & orthogonal matrix	You tube



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2.3.2 Details of ICT Enabled Teaching Resources

Department : Mathematics
 Name of the Staff : Dr. M. kavitha

Academic Year : 2023 - 2024
 Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	26-6-23	II M.sc Maths	Mathematical Statistics	Multiple Correlation	YouTube
2.	14-7-23	II M.sc Maths	Mathematical Statistics	Partial Correlation	PPT
3.	24-8-23	I MBA	Quantitative Techniques & Research Methods in Business	Hypothesis	YouTube & PPT
4.	20-7-23	I B.sc cs - 'B' sec	Numerical Methods	Bisection Method	PPT
5.	1-8-23	I B.sc cs - 'B' sec	Numerical Methods	Newton - Raphson Method.	PPT
6.	9-8-23	III B.sc cs - 'B' sec	Quantitative Aptitude - I	Percentage	PPT
7.	13-10-23	III B.sc cs - 'B' sec	Quantitative Aptitude - I	Ratio & Proportion	YouTube



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2.3.2 Details of ICT Enabled Teaching Resources

Department : Mathematics

Academic Year : 2023 - 2024

Name of the Staff : Dr. M. Kavitha

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	12-12-23	II M.Sc Biochemistry	Principles of Bio-statistics	Correlation	YouTube
2.	14-12-23	II M.Sc Biochemistry	Principles of Bio-statistics	Regression	PPT
3.	29-1-24	I B.Sc CS - 'A' sec	Graph Theory & its applications	Cut sets & cut vertices	PPT
4.	24-1-24	I B.Sc Maths	Analytical Geometry (2D&3D)	Length of the Perpendicular	YouTube & PPT
5.	28-2-24	I B.Sc Maths	Analytical Geometry (2D&3D)	Orthogonal Projection	PPT
6.	18-1-24	III B.Sc CS - 'C' sec	Quantitative Aptitude - II	Test of Divisibility	YouTube
7.	13-3-24	III B.Sc CS - 'C' sec	Quantitative Aptitude - II	Series Completion	PPT



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G. Parasuraman

Principal

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J.J. College of Arts and Science (Autonomous)**J.J. Nagar, Sivapuram Post, Pudukkottai****2.3.2 Details of ICT Enabled Teaching Resources**

Department : Mathematics

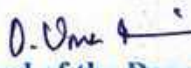
Academic Year : 2023 - 2024

Name of the Staff : M. Selvam

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	25.7.23	I BCA 'A' sec	Numerical Methods	Bisection Method	YouTube
2.	12.10.23	I BCA 'A' sec	Numerical Methods	Runge-kutta Second order Method	PPT
3.	16.10.23	I B.Sc Maths	Algebra & Trigonometry	Remainder Theorem	PPT
4.	13.7.23	II B.Sc IT-'B' sec	Operation Research	MODI Method	YouTube & PPT.
5.	27-7-23	I B.Sc CS-'C' sec	Numerical Methods	Iteration Method	YouTube
6.	2-1-24	I BCA 'C' sec	Graph Theory & its applications	Hamiltonian Graph	PPT & YouTube
7.	22-1-24	III BBA	Quantitative Aptitude - II	Divisibility	PPT
8.	30-1-24	I B.Sc IT-'B' sec	Quantitative Aptitude - II	Time & Distance	YouTube & PPT
9.	24-1-24	II BBA 'B' sec	Operation Research	Hungarian Method	PPT
10.	1-3-24	II B.Sc Maths	Differential Equations	PDE second Order	YouTube & PPT
					


Signature of the Staff


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2.3.2 Details of ICT Enabled Teaching Resources

Department : Mathematics

Academic Year : 2023 - 2024

Name of the Staff : J. Jeromi Jovita

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	8-8-23	III B.sc Maths	Modern Algebra	Quotient group	PPT
2.	28-8-23	III B.sc Maths	Modern Algebra	Maximal Ideal	You Tube
3.	19-7-23	I B.sc IT-'B' sec	Numerical Methods	Bisection Method	PPT
4.	13-10-23	I B.sc IT-'B' sec	Numerical Methods.	Euler's Method	You Tube & PPT
5.	27-6-23	III B.sc cs-'A' sec	Quantitative Aptitude -I	Percentage	You Tube
6.	1-8-23	III B.sc cs-'A' sec	Quantitative Aptitude -I	Profit & Loss	You Tube
7.	5-10-23	III B.sc cs-'A' sec	Quantitative Aptitude -I	Average	PPT



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2.3.2 Details of ICT Enabled Teaching Resources

Department : Mathematics

Academic Year : 2023 - 2024

Name of the Staff : J. Jeromi Jovita

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	2-2-24	III B.sc Maths	Linear Algebra	Determinants	YouTube
2.	14-3-24	III B.sc Maths	Linear Algebra	Inner Product Space	PPT
3.	24-1-24	II B.sc Maths	A prime on divisibility & number sequence	Divisibility	PPT
4.	28-2-24	II B.sc Maths	A prime on divisibility & number sequence	Number Sequence	YouTube
5.	18-1-24	I BCA 'B' sec	Graph Theory & its applications	Connectivity	PPT
6.	15-2-24	III BCA 'B' sec	Quantitative Aptitude-II	Divisibility	Youtube & PPT
7.	5-3-24	III BCA 'B' sec	Quantitative Aptitude-II	Letter coding	PPT



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2.3.2 Details of ICT Enabled Teaching Resources

Department : Mathematics
 Name of the Staff : S. Mangayarkarasi

Academic Year : 2023 - 2024
 Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	7-8-23	I M.sc Maths	Graph Theory & its applications	covering	YouTube
2.	20-9-23	I M.sc Maths	Graph Theory & its applications	Critical graph	PPT
3.	1-8-23	I BCA 'B' sec	Numerical Methods	Newton Raphson method	PPT
4.	28-8-23	I BCA 'B' sec	Numerical Methods	Power Method	YouTube
5.	27-6-23	III BCA 'A' sec	Quantitative Aptitude - I	Percentage	PPT
6.	18-8-23	I BCA 'A' sec	Quantitative Aptitude - I	Profit & Loss	PPT
7.	11-10-23	I B.sc IT 'A' sec	Numerical Methods	Simpson's $\frac{1}{3}$ Rule	YouTube & PPT



S. Mangayarkarasi

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2.3.2 Details of ICT Enabled Teaching Resources

Department : Mathematics

Academic Year : 2023 - 2024

Name of the Staff : S. Mangayarkarasi

Semester : ~~Odd~~ / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	2-1-24	I B.sc Maths	Integral calculus	Trigonometric functions	PPT
2.	5-1-24	I BCA 'A' sec	Graph Theory & its applications	Euler Graph	YouTube
3.	6-3-24	I BCA 'A' sec	Graph Theory & its applications	Proper colouring	PPT & YouTube
4.	2-2-24	I B.sc IT-'A' sec	Quantitative Aptitude - II	Number series	YouTube
5.	28-2-24	I BCA 'c' sec	Quantitative Aptitude - II	Alphabet series	PPT
6.	4-1-24	III BCA 'A' sec	Quantitative Aptitude	Divisibility	PPT
7.	19-3-24	III BCA 'A' sec	Quantitative Aptitude	coding & Decoding	YouTube & PPT



S. Mangayarkarasi
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