



P.K.R. ARTS COLLEGE FOR WOMEN

(An Autonomous Institution-Affiliated to Bharathiar University, Coimbatore)
Approved by Government of Tamil Nadu and Accredited by NAAC with 'A' Grade
Gobichettipalayam – 638 476, Erode District, Tamil Nadu, India Website:
www.pkrarts.org |E.mail: pkroffice@gmail.com | Phone: 04285 - 222128

NAAC
2nd Cycle
Criterion I
Metric 1.1.1

Courses focus on Global, National, Regional and Local Needs Academic Year: 2021-22

Year of Syllabus Revision	Programme	Code	Title of the Course	Need				Description
				Local	Regional	National	Global	
2021-22	M.Sc	21MAP09	Measure Theory and Integration	✓				To enable the students to learn and gain knowledge about the concepts of measurable sets and measurable spaces.
2021-22	M.Sc	21MAP12A	Mathematical Software – I (SPSS) – Practical/				✓	To enable the students to learn and gain knowledge about SPSS such as Mean, Median, Mode, different types of distributions.
2021-22	M.Sc	21MAP12B	Programming in C++ - Practical				✓	To enable the students to learn and gain knowledge about C++ Programming such as Tokens, Expressions, Control Structure, Classes and Objects.
2021-22	M.Sc	21MAP05A	Numerical Analysis				✓	To enable the students to learn and gain knowledge about Interpolation, numerical integration and Solution of ordinary differential equations.
2021-22	M.Sc	21MAP05B	Optimization Techniques				✓	To enable the students to learn and gain knowledge about Network Scheduling, Games and Strategies, various kinds of Simulations, Transportation and Assignment models and Information Theory.



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2021-22	M.Sc	21MAP16	Mathematical Software – II (R Software) - Practical			✓		To enable the students to get experienced about R Software.
2021-22	M.Sc	21PEPMA01	Industrial Mathematics(Self Study)			✓		To enable the students to learn decision making problems based on operations research and gain the knowledge about numerical methods.
2021-22	M.Sc	21MAP22A /21MAP22B	Fuzzy Logic and Fuzzy Sets / Actuarial Mathematics				✓	To enable the students to learn and gain knowledge about fuzzy sets, fuzzy relations, fuzzy measures, uncertainty and information and also their applications.
2021-22	M.Sc	21MAP22B	Control Theory				✓	To enable the students to gain the knowledge about modeling the control systems using difference equations.
2021-22	M.Sc	21MAP06	Programming in Python Practical				✓	To enable the students to learn and gain knowledge about Python programming language.



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2021-22	M.Sc	21MAP22A 21MAP22B	Fuzzy Logic and Fuzzy Sets / Actuarial Mathematics					✓	To enable the students to learn and gain knowledge about fuzzy sets, fuzzy relations, fuzzy measures, uncertainty and information and also their applications.
2021-22	M.Sc	21MAP22B	Control Theory					✓	To enable the students to gain the knowledge about modeling the control systems using difference equations.
2021-22	M.Sc	21MAP06	Programming in Python Practical					✓	To enable the students to learn and gain knowledge about Python programming language.

R. Jami 19/10/22

R. JAYALAKSHMI, M.Sc, M.Phil, M.Tech
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				Local	Regional	National	Global	
2020-21	M.Sc	20MAP04	Measure Theory and Integration	✓				To enable the students to learn and gain knowledge about the concepts of measurable sets and measurable spaces.
2020-21	M.Sc	20MAP13A	Mathematical Software – I (SPSS) – Practical				✓	To enable the students to learn and gain knowledge about SPSS such as Mean, Median, Mode, different types of distributions.
2020-21	M.Sc	20MAP13B	Programming in C++ - Practical				✓	To enable the students to learn and gain knowledge about C++ Programming such as Tokens, Expressions, Control Structure, Classes and Objects.
2020-21	M.Sc	20MAP05A	Numerical Analysis				✓	To enable the students to learn and gain knowledge about numerical differentiation, integration, Solution of system of both ordinary and partial differential equations.
2020-21	M.Sc	20MAP05B	Control Theory				✓	To enable the students to gain the knowledge about modeling the control systems using difference equations.
2020-21	M.Sc	20PEPMA01	Industrial Mathematics (Self Study)			✓		To enable the students to learn decision making problems based on operations research and gain the knowledge about numerical methods.



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2020-21	M.Sc	20MAP25A	Fuzzy Logic and Fuzzy Sets				✓	To enable the students to learn and gain knowledge about fuzzy sets, fuzzy relations, fuzzy measures, uncertainty and information and also their applications.
2020-21	M.Sc	20MAP25B	Actuarial Mathematics				✓	To teach the students about Annuities, Premium calculation, Commutation functions, Population functions and risk models.
2020-21	M.Sc	20MAP18	Mathematical Software – II (R Software) - Practical			✓		To enable the students to get experienced about R Software.
2020-21	M.Sc	20MAP06	Programming in Python - Practical				✓	To enable the students to learn and gain knowledge about Python programming language.
2020-21	M.Sc	20MAP17	Optimization Techniques				✓	To enable the students to learn and gain knowledge about various methods to solve the problems in Operations Research.



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2020-21	M.Sc	20MAP17	Optimization Techniques						✓	To enable the students to learn and gain knowledge about various methods to solve the problems in Operations Research.
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R. Jan 19/10/22

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Year of Syllabus Revision	Programme	Code	Title of the Course	Need				Description
				Local	Regional	National	Global	
2019-20	M.Sc	19MAP05A	Measure Theory and Integration	✓				To enable the students to learn and gain knowledge about the concepts of measurable sets and measurable spaces.
2019-20	M.Sc	19MAP05B	Cryptography	✓				To enable the students to gain the knowledge about encryption techniques, block ciphers and key management.
2019-20	M.Sc	19MAP12	Mathematical Software - I (SPSS) - Practical				✓	To enable the students to learn and gain knowledge about SPSS such as Mean, Median, Mode, different types of distributions.
2019-20	M.Sc	19MAP04	Numerical Analysis				✓	To enable the students to learn and gain knowledge about numerical differentiation, integration, Solution of system of both ordinary and partial differential equations.
2019-20	M.Sc	19MAP18	Mathematical Software - II (R Software) - Practical			✓		To enable the students to get experienced about R Software



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2019-20	M.Sc	19PEPMA01	Industrial Mathematics			✓		To enable the students to learn decision making problems based on operations research and gain the knowledge about numerical methods
2019-20	M.Sc	19MAP25A	Fuzzy Logic and Fuzzy Sets				✓	To enable the students to learn and gain knowledge about fuzzy sets, fuzzy relations, fuzzy measures, uncertainty and information and also their applications.
2019-20	M.Sc	19MAP25B	Control Theory				✓	To enable the students to gain the knowledge about modeling the control systems using difference equations.
2019-20	M.Sc	19MAP06	(Programming in Python) - Practical				✓	To enable the students to learn and gain knowledge about Python programming language.
2019-20	M.Sc	19MAP17	Optimization Techniques				✓	To enable the students to learn and gain knowledge about various methods to solve the problems in Operations Research.



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2019-20	M.Sc	19MAP25B	Control Theory				✓	To enable the students to gain the knowledge about modeling the control systems using difference equations.
2019-20	M.Sc	19MAP06	(Programming in Python) - Practical				✓	To enable the students to learn and gain knowledge about Python programming language.
2019-20	M.Sc	19MAP17	Optimization Techniques				✓	To enable the students to learn and gain knowledge about various methods to solve the problems in Operations Research.

R. Jansi 19/10/22

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Year of Syllabus Revision	Programme	Code	Title of the Course	Need				Description
				Local	Regional	National	Global	
2018-19	M.Sc	18MAP05A	Matlab	✓				To enable the students to learn and gain knowledge about the concepts of Matlab and the Matlab commands
2018-19	M.Sc	18MAP05B	Cryptography	✓				To enable the students to gain the knowledge about encryption techniques, block ciphers and key management.
2018-19	M.Sc	18MAP06	Mathematical software - I (Matlab) - Practical	✓				To enable the students to learn and gain knowledge about the concepts of Matlab and the Matlab commands
2018-19	M.Sc	18MAP12	Mathematical Software - II (SPSS) - Practical				✓	To enable the students to learn and gain knowledge about SPSS such as Mean, Median, Mode, different types of distributions.
2018-19	M.Sc	18MAP17	Optimization Techniques				✓	To enable the students to learn and gain knowledge about various methods to solve the problems in Operations Research.



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2018-19	M.Sc	18MAP04	Numerical Analysis				✓	To enable the students to learn and gain knowledge about numerical differentiation, integration, Solution of system of both ordinary and partial differential equations.
2018-19	M.Sc	18MAP18	Mathematical Software - III (R Software) - Practical			✓		To enable the students to get experienced about R Software
2018-19	M.Sc	18MAP25A	Fuzzy Logic and Fuzzy Sets				✓	To enable the students to learn and gain knowledge about fuzzy sets, fuzzy relations, fuzzy measures, uncertainty and information and also their applications.
2018-19	M.Sc	18MAP25B	Control Theory				✓	To enable the students to gain the knowledge about modeling the control systems using difference equations.
2018-19	M.Sc	18PEPMA01	Industrial Mathematics			✓		To enable the students to learn decision making problems based on operations research and gain the knowledge about numerical methods



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2018-19	M.Sc	18MAP18	Mathematical Software - III (R Software) - Practical			✓		To enable the students to get experienced about R Software
2018-19	M.Sc	18MAP25A	Fuzzy Logic and Fuzzy Sets				✓	To enable the students to learn and gain knowledge about fuzzy sets, fuzzy relations, fuzzy measures, uncertainty and information and also their applications.
2018-19	M.Sc	18MAP25B	Control Theory				✓	To enable the students to gain the knowledge about modeling the control systems using difference equations.
2018-19	M.Sc	18PEPMA01	Industrial Mathematics			✓		To enable the students to learn decision making problems based on operations research and gain the knowledge about numerical methods

R. Jany 19/10/22

R. JAYALAKSHMI
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Courses focus on Global, National, Regional and Local Needs Academic Year: 2017-18

Year of Syllabus Revision	Programme	Code	Title of the Course	Need				Description
				Local	Regional	National	Global	
2017-18	M.Sc	17MAP05A	Latex	✓				To enable the students to learn and gain knowledge about the concepts of LaTeX and the LaTeX commands to write programs.
2017-18	M.Sc	17MAP05B	Cryptography	✓				To enable the students to gain the knowledge about encryption techniques, block ciphers and key management.
2017-18	M.Sc	17MAP06	Latex - Practical	✓				To enable the students to learn and gain knowledge about the conceptsof LaTeX and the LaTeX commands to write programs.
2017-18	M.Sc	17MAP16	Mathematical Software (SPSS)- Practical				✓	To enable the students to learn and gain knowledge about SPSS such as Mean, Median, Mode, different types of distributions.
2017-18	M.Sc	17MAP10	Optimization Techniques				✓	To enable the students to learn and gain knowledge about various methods to solve the problems in Operations Research.



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2017-18	M.Sc	17MAP04	Numerical Methods				✓	To enable the students to learn and gain knowledge about numerical differentiation, integration, Solution of system of both ordinary and partial differential equations.
2017-18	M.Sc	17PEPMA1	Industrial Mathematics			✓		To enable the students to learn decision making problems based on operations research and gain the knowledge about numerical methods
2017-18	M.Sc	17MAP23A	Fuzzy Logic and Fuzzy Sets				✓	To enable the students to learn and gain knowledge about fuzzy sets, fuzzy relations, fuzzy measures, uncertainty and information and also their applications.
2017-18	M.Sc	17MAP23B	Control Theory				✓	To enable the students to gain the knowledge about modeling the control systems using difference equations.



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2017-18	M.Sc	17MAP04	Numerical Methods					✓	To enable the students to learn and gain knowledge about numerical differentiation, integration, Solution of system of both ordinary and partial differential equations.
2017-18	M.Sc	17PEPMA1	Industrial Mathematics					✓	To enable the students to learn decision making problems based on operations research and gain the knowledge about numerical methods
2017-18	M.Sc	17MAP23A	Fuzzy Logic and Fuzzy Sets					✓	To enable the students to learn and gain knowledge about fuzzy sets, fuzzy relations, fuzzy measures, uncertainty and information and also their applications.
2017-18	M.Sc	17MAP23B	Control Theory					✓	To enable the students to gain the knowledge about modeling the control systems using difference equations.

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