

(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	Programme	Code	Title of the Course		Ne	eed		Description
Syllabus Revision				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 go 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 go knowledge about Python programmir language.
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Criterion I
Metric 1.1.1

Courses focus on Global, National, Regional and Local Needs Academic Year: 2020-21

Year of	Progr	Code	Title of the Course	Need				Description
Syllabus Revision	amme			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 knowledge about fuzz relations, fuzzy measur and information and applications.	cy sets, fuzzy es, uncertainity
2020-21	M.Sc	20MAP25B	Actuarial Mathematics		√	To teach the students a Premium calculation, functions, Population functions.	Commutation
2020-21	M.Sc	20MAP18	Mathematical Software – II (R Software) - Practical	✓		To enable the students to about R Software.	get experienced
2020-21	M.Sc	20MAP06	Programming in Python - Practical		✓	To enable the students to knowledge about Pytho language.	•
2020-21	M.Sc	20MAP17	Optimization Techniques		✓	To enable the students to knowledge about vario solve the problems Research.	us methods to



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2020-21	M.Sc	20MAP17	Optimization Techniques	/	To enable the students to learn and knowledge about various methods to solve the problems in Operations Research.
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Metric 1.1.1

Courses focus on Global, National, Regional and Local Needs Academic Year: 2019-20

Year of	Programme	Code	Title of the Course		Ne	eed		Description
Syllabus Revision				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, uncertainity 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-	M.Sc	19MAP25B	Control Theory	1	To enable the students to gain the knowledge about modeling the contro systems using difference equations.
2019- 20	M.Sc	19MAP06	(Programming in Python) - Practical	1	To enable the students to learn and ga knowledge about Python programmin language.
2019-	M.Sc	19MAP17	Optimization Techniques	/	To enable the students to learn and garknowledge about various methods to solve the problems in Operations Research.
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Year of	Programme	Code	Title of the Course		N	eed		Description
Syllabus Revision				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	1		To enable the students to get experienced about R Software
2018- 19	M.Sc	18MAP25A	Fuzzy Logic and Fuzzy Sets		1	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		1	To enable the students to gain the knowledge about modeling the control systems using difference equations.
2018- 19	M.Sc	18PEPMA0	Industrial Mathematics	1		To enable the students to learn decision making problems based on operations research and gain the knowledge about numerical methods

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Metric 1.1.1

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

Year of	Programme	Code	Title of the Course		N	leed		Description
Syllabus Revision				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 stude gain knowledge a differentiation, integ of system of both or differential equations	about numerical gration, Solution dinary and partial
2017-18	M.Sc	17PEPMA1	Industrial Mathematics			✓		To enable the str decision making pro operations research knowledge about nur	oblems based on and gain the
2017-18	M.Sc	17MAP23A	Fuzzy Logic and Fuzzy Sets				✓	To enable the stude gain knowledge at fuzzy relations, funcertainity and infortheir applications.	oout fuzzy sets, fuzzy measures,
2017-18	M.Sc	17MAP23B	Control Theory				✓	To enable the stud knowledge about control systems u equations.	modeling the



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2017-18	M.Sc	17MAP04	Numerical Methods		1	To enable the students to learn a gain knowledge about numeri differentiation, integrati Solution of system of b ordinary and partial differen equations. To enable the students to learn a gain knowledge about numerical solutions.
2017-18	M.Sc	17PEPMA1	Industrial Mathematics	/		decision making problems be on operations research and a the knowledge about numer methods To enable the students to learn
2017-18	M.Sc	17MAP23A	Fuzzy Logic and Fuzzy Sets		/	gain knowledge about fuzzy s fuzzy relations, fuzzy measu uncertainity and information also their applications.
2017-18	M.Sc	17MAP23B	Control Theory			knowledge about modeling control systems using differ equations.
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