NAAC – 4th CYCLE – Self Study Report (SSR)

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625018

NAME OF THE PROGRAMME: M. SC. (IT & M)   PROGRAMME CODE: PSIM

COURSE OBJECTIVES:

2018-2019

COURSE CODE	COURSE TITLE	COURSE OBJECTIVES
MIT318	Data Communications and Networking	• Describe the components of a data communications system • Identify various transmission media and signalling. • Describe error detection and correction techniques. Describe switching techniques. • Illustrate various networking devices. • Analyse OSI Layer and TCP/IP layer.
MIT319	Organisational Behaviour	• Demonstrate the applicability of the concept of organizational behaviour to understand the behaviour of people in the organization. • Demonstrate the applicability of analysing the complexities associated with management of individual behaviour in the

NAAC – 4th CYCLE – Self Study Report (SSR)

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

		organization. • Analyse the complexities associated with management of the group behaviour in the organization. • Demonstrate how the organizational behaviour can integrate in understanding the motivation behind behaviour of people in the organization. • Analyse various conflict management techniques.
MIT320	JAVA & J2EE	• Understand the concepts of Object-Oriented Programming & Java Programming Constructs. • Understand basic concepts of Java such as operators, classes, objects, inheritance, packages, Enumeration and various keywords. • Understand the concept of packages, threads, exceptions. • Design Java & Java applet based applications. • Design JDBC related applications.
MIT321A	Linux Shell Programming	• Know the concept of Shell programming. • Implement various concepts with files. • Understand Linux Environment.

NAAC – 4th CYCLE – Self Study Report (SSR)

Criterion	:	II – Teaching-Learning and Evaluation
Metric	:	2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and
		Course Outcomes (COs) – M. SC. (IT&M)
Year	:	2015 - 2020

		• Recognize the concept of terminal and implement threads concept. • Use Text based screens
MIT321B	Web Technology	• Explain Various HTML & DHTML tags. • Understand VbScript. • Know JSP concepts • Demonstrate asp.net concepts. • Develop WebPages with database.
MIT321C	Cryptography and Information Security	• Understands the basic concepts of security • Analyse various cryptographic algorithms while applying practically. • Identify email and IP security. • Compare different web security techniques. • Summarize the concepts of firewall and viruses.
MIT322A	Advertising Management	• Understand the concepts of advertising. • Analyse different advertising Ideas. • Know about media planning.

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

		• Describe about Advertisement. • Analyse advertising effectiveness.
MIT322B	Management Accounting	• Understand the concepts of accounting. • Analyse different final accounts. • Know about cost accounting. • Describe about marginal costing. • Analyse budgetary control.
MIT322C	Industrial Relations	• Understand the concepts of industrial relations. • Describe trade unions. • Analyse worker's participation in Management. • Examine Industrial Disputes. • Analyse settlement machinery.
MIT323	LAB V Programming in JAVA	• Implement Object Oriented programming concept using operators and control Structures.. • Design java programs using inheritance, interfaces and packages. • Implement exception handling mechanism and multithreading concept.

		• Design Java applet based applications. • Design applications with JDBC connectivity.
MIT324	LAB VI Web Designing	• Explain Various HTML tags. • Design WebPages with DHTML. • Design Web pages using VB script. • Develop client side Scripting using VB script. • Develop WebPages with ASP.NET
MIT327	Special Course II- PHP & MYSQL	• Understand basic PHP syntax. • Apply MySQL commands. • Analyse various error handling and debugging techniques. • Design PHP programming with MySQL database. • Develop WebPages with PHP.

NAAC – 4ᵗʰ CYCLE – Self Study Report (SSR)

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

2017 - 2018

COURSE CODE	COURSE TITLE	COURSE OBJECTIVES
MIT101	Mathematical foundation for Computer Science	• Understand mathematical logic to solve problems. • Understand sets, relations, functions and discrete structures. • Use logical notations to define and reason about fundamental mathematical concepts such as sets relations and functions. • Formulate problems and solve recurrence relations. • Model and solve real world problems using graphs and trees.
MIT102	Programming in C	• Understand the basic concepts in Computer & C Programming. • Identify and Apply different construct available for iteration such as 'for', 'while' and 'do-while'. • Understand various storage concepts. • Develop C programs using functions. • Summarize the concepts of Pointers and Files.
MIT103	Management Principles and Practice	• Understand the concepts of Planning. • Describe Organization Structure. • Analyse various leadership skills.

NAAC – 4th CYCLE – Self Study Report (SSR)

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and
	Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

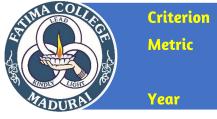|		
		• Develop communication skills. • Analyse various controlling types.
MIT104	Data Structures and Algorithms	• Identify the types of data structures like stack, queue and linked list. • Apply tree data structures. • Demonstrate different hashing techniques and sorting techniques. • Describe the basic of graph terminologies and the operations involved in graph. • Discuss and implement various dynamic programming techniques.
MIT105	Visual Programming	• Understand Visual Basic Development Environment. • Analyse Various Controls. • Understand Menus and Graphics. • Analyse different ADO concepts. • Apply different concepts in .NET
MIT106	Lab-I Data Structures using C	• Develop programs using linear data structures and tree traversal. • Implement programs using doubly and circular linked list.

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

		• Construct programs using nonlinear data structures. • Apply stack and Queue operations. • Apply various sorting algorithms.
MIT107	LAB-II Visual Programming	• Understand various application types. • Create dynamic window application. • Use asp.net controls in web application. • Build interactive WebPages. • Generate different reports.
MIT208	Relational Data base Management System	• Explain the structure and model of the relational database system. • Design multiple tables and use group functions, sub queries. • Design a database based on a data model considering the normalization to a specified level. • Develop E- R model based tables. • Evaluate different PL/SQL blocks.
MIT209	Business Research	• Understand some basic concepts of research and its methodologies.

NAAC – 4th CYCLE – Self Study Report (SSR)

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

		• Identify appropriate research topics. • Analyse different sampling methods. • Apply data collection technique. • write a research report and thesis
MIT210	Software Engineering	• Understand how to plan a software project. • Analyse the cost estimate and problem complexity using various estimation techniques. • Prepare the SRS, Design document, Project plan of a given software system. • Apply Software design and implementation ideas in S/W project development. • Generate test cases using White Box testing and Black Box testing.
MIT211	Marketing Management	• Demonstrate strong conceptual knowledge in the functional area of marketing management. • Analyse buyer's behaviour. • Understand Product Life Cycle • Demonstrate pricing and physical distribution

NAAC – 4ᵗʰ CYCLE – Self Study Report (SSR)

Criterion	:	II – Teaching-Learning and Evaluation
Metric	:	2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and
		Course Outcomes (COs) – M. SC. (IT&M)
Year	:	2015 - 2020

		• Analyse various Promotion activities.
MIT213	Lab III - RDBMS	• Explain Various SQL Commands. • Write SQL queries to user specifications • Design database schema considering normalization and relationships within database. • Develop PL/SQL Programs. • Develop triggers, procedures and Cursors.
MIT214	Lab IV - Multimedia Applications	• Create and Manage content. • Use the Timeline concepts. • Use Motion Pre-sets. • Create Animations Using Motion Tweens. • Create Movie clips.
MIT216	Communication Skills	• Describes communication theory, its type , barriers of communication and the strategies involved. • Develop group communication, speaking skills, group discussion, interview and public speech. • Analyse close reading, comprehension, summary paraphrasing.

NAAC – 4th CYCLE – Self Study Report (SSR)

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

		• Apply translation from Indian language to English and vice-versa. • Build writing skills, documenting report, writing making notes and letter writing
MIT217	Special Course I- Eoffice Lab	• Create, edit, and format a document • Make use of office package for documentation, presentation and visualization charts • Create tables and reports • Develop various presentations • Design various excel sheets.
MIT212A	Marketing of Services	• Understand different Services in Marketing. • Analyse various products and Pricing. • Evaluate various service promotions. • Understand People and process in Marketing. • Apply various service strategies.
MIT212B	Financial Management	• Understand the basic concepts of financial management. • Analyse short-term financing decision. • Evaluate long-term investments decision.

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

		• Understand long term financing decisions. • Apply dividend policy decisions.
MIT212C	Human resource Management	• Understand the concept of human resource management and to understand its relevance in organizations. • Develop necessary skill set for application of various human resource issues. • Analyse the strategic issues and strategies required to select and develop manpower resources. • Apply human resource concepts to take correct business decisions. • Analyse different maintenance strategies.
MIT318	Data Communications and Networking	• Describe the components of a data communications system • Identify various transmission media and signalling. • Describe error detection and correction techniques. Describe switching techniques. • Illustrate various networking devices. • Analyse OSI Layer and TCP/IP layer.

NAAC – 4th CYCLE – Self Study Report (SSR)

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

MIT319	Organisational Behaviour	• Demonstrate the applicability of the concept of organizational behaviour to understand the behaviour of people in the organization. • Demonstrate the applicability of analysing the complexities associated with management of individual behaviour in the organization. • Analyse the complexities associated with management of the group behaviour in the organization. • Demonstrate how the organizational behaviour can integrate in understanding the motivation behind behaviour of people in the organization. • Analyse various conflict management techniques.
MIT320	JAVA & J2EE	• Understand the concepts of Object-Oriented Programming & Java Programming Constructs. • Understand basic concepts of Java such as operators, classes, objects ,inheritance, packages, Enumeration and various keywords. • Understand the concept of packages, threads, exceptions.

		• Design Java & Java applet based applications. • Design JDBC related applications.
MIT321A	Linux Shell Programming	• Know the concept of Shell programming. • Implement various concepts with files. • Understand Linux Environment. • Recognize the concept of terminal and implement threads concept. • Use Text based screens
MIT321B	Web Technology	• Explain Various HTML & DHTML tags. • Understand VbScript. • Know JSP concepts • Demonstrate asp.net concepts. • Develop WebPages with database.
MIT321C	Cryptography and Information Security	• Understands the basic concepts of security • Analyse various cryptographic algorithms while applying practically. • Identify email and IP security.

NAAC – 4th CYCLE – Self Study Report (SSR)

Criterion	:	II – Teaching-Learning and Evaluation
Metric	:	2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	:	2015 - 2020

		• Compare different web security techniques. • Summarize the concepts of firewall and viruses.
MIT322A	Advertising Management	• Understand the concepts of advertising. • Analyse different advertising Ideas. • Know about media planning. • Describe about Advertisement. • Analyse advertising effectiveness.
MIT322B	Management Accounting	• Understand the concepts of accounting. • Analyse different final accounts. • Know about cost accounting. • Describe about marginal costing. • Analyse budgetary control.
MIT322C	Industrial Relations	• Understand the concepts of industrial relations. • Describe trade unions. • Analyse worker's participation in Management. • Examine Industrial Disputes. • Analyse settlement machinery.

MIT323	LAB V Programming in JAVA	- Implement Object Oriented programming concept using operators and control Structures.. - Design java programs using inheritance, interfaces and packages. - Implement exception handling mechanism and multithreading concept. - Design Java applet based applications. - Design applications with JDBC connectivity.
MIT324	LAB VI Web Designing	- Explain Various HTML tags. - Design WebPages with DHTML. - Design Web pages using VB script. - Develop client side Scripting using VB script. - Develop WebPages with ASP.NET
MIT327	Special Course II- PHP & MYSQL	- Understand basic PHP syntax. - Apply MySQL commands. - Analyse various error handling and debugging techniques. - Design PHP programming with MySQL database. - Develop WebPages with PHP.

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

2016-2017

COURSE CODE	COURSE TITLE	COURSE OBJECTIVES
MIT101	Mathematical foundation for Computer Science	• Understand mathematical logic to solve problems. • Understand sets, relations, functions and discrete structures. • Use logical notations to define and reason about fundamental mathematical concepts such as sets relations and functions. • Formulate problems and solve recurrence relations. • Model and solve real world problems using graphs and trees.
MIT102	Programming in C	• Understand the basic concepts in Computer & C Programming. • Identify and Apply different construct available for iteration such as 'for', 'while' and 'do-while'. • Understand various storage concepts. • Develop C programs using functions. • Summarize the concepts of Pointers and Files.
MIT103	Management Principles and Practice	• Understand the concepts of Planning. • Describe Organization Structure. • Analyse various leadership skills.

NAAC – 4th CYCLE – Self Study Report (SSR)

Criterion	:	II – Teaching-Learning and Evaluation
Metric	:	2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	:	2015 - 2020

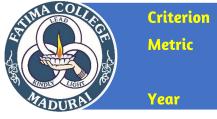|		
		• Develop communication skills. • Analyse various controlling types.
MIT104	Data Structures and Algorithms	• Identify the types of data structures like stack, queue and linked list. • Apply tree data structures. • Demonstrate different hashing techniques and sorting techniques. • Describe the basic of graph terminologies and the operations involved in graph. • Discuss and implement various dynamic programming techniques.
MIT105	Visual Programming	• Understand Visual Basic Development Environment. • Analyse Various Controls. • Understand Menus and Graphics. • Analyse different ADO concepts. • Apply different concepts in .NET
MIT106	Lab-I Data Structures using C	• Develop programs using linear data structures and tree traversal. • Implement programs using doubly and circular linked list.

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

		• Construct programs using nonlinear data structures. • Apply stack and Queue operations. • Apply various sorting algorithms.
MIT107	LAB-II Visual Programming	• Understand various application types. • Create dynamic window application. • Use asp.net controls in web application. • Build interactive WebPages. • Generate different reports.
MIT208	Relational Data base Management System	• Explain the structure and model of the relational database system. • Design multiple tables and use group functions, sub queries. • Design a database based on a data model considering the normalization to a specified level. • Develop E- R model based tables. • Evaluate different PL/SQL blocks.
MIT209	Business Research	• Understand some basic concepts of research and its methodologies.

NAAC – 4ᵗʰ CYCLE – Self Study Report (SSR)

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

		• Identify appropriate research topics. • Analyse different sampling methods. • Apply data collection technique. • write a research report and thesis
MIT210	Software Engineering	• Understand how to plan a software project. • Analyse the cost estimate and problem complexity using various estimation techniques. • Prepare the SRS, Design document, Project plan of a given software system. • Apply Software design and implementation ideas in S/W project development. • Generate test cases using White Box testing and Black Box testing.
MIT211	Marketing Management	• Demonstrate strong conceptual knowledge in the functional area of marketing management. • Analyse buyer's behaviour. • Understand Product Life Cycle • Demonstrate pricing and physical distribution

NAAC – 4ᵗʰ CYCLE – Self Study Report (SSR)

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

		• Analyse various Promotion activities.
MIT213	LabIII - RDBMS	• Explain Various SQL Commands. • Write SQL queries to user specifications • Design database schema considering normalization and relationships within database. • Develop PL/SQL Programs. • Develop triggers, procedures and Cursors.
MIT214	Lab IV - Multimedia Applications	• Create and Manage content. • Use the Timeline concepts. • Use Motion Pre-sets. • Create Animations Using Motion Tweens. • Create Movie clips.
MIT216	Communication Skills	• Describes communication theory, its type , barriers of communication and the strategies involved. • Develop group communication, speaking skills, group discussion, interview and public speech. • Analyse close reading, comprehension, summary paraphrasing.

NAAC – 4ᵗʰ CYCLE – Self Study Report (SSR)

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

		• Apply translation from Indian language to English and vice-versa. • Build writing skills, documenting report, writing making notes and letter writing
MIT217	Special Course I- Eoffice Lab	• Create, edit, and format a document • Make use of office package for documentation, presentation and visualization charts • Create tables and reports • Develop various presentations • Design various excel sheets.
MIT212A	Marketing of Services	• Understand different Services in Marketing. • Analyse various products and Pricing. • Evaluate various service promotions. • Understand People and process in Marketing. • Apply various service strategies.
MIT212B	Financial Management	• Understand the basic concepts of financial management. • Analyse short-term financing decision. • Evaluate long-term investments decision.

NAAC – 4th CYCLE – Self Study Report (SSR)

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and
	Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

		• Understand long term financing decisions. • Apply dividend policy decisions.
MIT212C	Human resource Management	• Understand the concept of human resource management and to understand its relevance in organizations. • Develop necessary skill set for application of various human resource issues. • Analyse the strategic issues and strategies required to select and develop manpower resources. • Apply human resource concepts to take correct business decisions. • Analyse different maintenance strategies.
MIT318	Data Communications and Networking	• Describe the components of a data communications system • Identify various transmission media and signalling. • Describe error detection and correction techniques. Describe switching techniques. • Illustrate various networking devices. • Analyse OSI Layer and TCP/IP layer.

MIT319	Organisational Behaviour	- Demonstrate the applicability of the concept of organizational behaviour to understand the behaviour of people in the organization. - Demonstrate the applicability of analysing the complexities associated with management of individual behaviour in the organization. - Analyse the complexities associated with management of the group behaviour in the organization. - Demonstrate how the organizational behaviour can integrate in understanding the motivation behind behaviour of people in the organization. - Analyse various conflict management techniques.
MIT320	JAVA & J2EE	- Understand the concepts of Object-Oriented Programming & Java Programming Constructs. - Understand basic concepts of Java such as operators, classes, objects, inheritance, packages, Enumeration and various keywords. - Understand the concept of packages, threads, exceptions.

NAAC – 4ᵗʰ CYCLE – Self Study Report (SSR)

Criterion	: **II – Teaching-Learning and Evaluation**
Metric	: **2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and**
	Course Outcomes (COs) – M. SC. (IT&M)
Year	: **2015 - 2020**

		• Design Java & Java applet based applications. • Design JDBC related applications.
MIT321A	Linux Shell Programming	• Know the concept of Shell programming. • Implement various concepts with files. • Understand Linux Environment. • Recognize the concept of terminal and implement threads concept. • Use Text based screens
MIT321B	Web Technology	• Explain Various HTML & DHTML tags. • Understand VbScript. • Know JSP concepts • Demonstrate asp.net concepts. • Develop WebPages with database.
MIT321C	Cryptography and Information Security	• Understands the basic concepts of security • Analyse various cryptographic algorithms while applying practically. • Identify email and IP security.

Criterion : II – Teaching-Learning and Evaluation

Metric : 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and
Course Outcomes (COs) – M. SC. (IT&M)

Year : 2015 - 2020

		• Compare different web security techniques. • Summarize the concepts of firewall and viruses.
MIT322A	Advertising Management	• Understand the concepts of advertising. • Analyse different advertising Ideas. • Know about media planning. • Describe about Advertisement. • Analyse advertising effectiveness.
MIT322B	Management Accounting	• Understand the concepts of accounting. • Analyse different final accounts. • Know about cost accounting. • Describe about marginal costing. • Analyse budgetary control.
MIT322C	Industrial Relations	• Understand the concepts of industrial relations. • Describe trade unions. • Analyse worker's participation in Management. • Examine Industrial Disputes. • Analyse settlement machinery.

MIT323	LAB V Programming in JAVA	• Implement Object Oriented programming concept using operators and control Structures.. • Design java programs using inheritance, interfaces and packages. • Implement exception handling mechanism and multithreading concept. • Design Java applet based applications. • Design applications with JDBC connectivity.
MIT324	LAB VI Web Designing	• Explain Various HTML tags. • Design WebPages with DHTML. • Design Web pages using VB script. • Develop client side Scripting using VB script. • Develop WebPages with ASP.NET
MIT327	Special Course II- PHP & MYSQL	• Understand basic PHP syntax. • Apply MySQL commands. • Analyse various error handling and debugging techniques. • Design PHP programming with MySQL database. • Develop WebPages with PHP.

2015-2016

COURSE CODE	COURSE TITLE	COURSE OBJECTIVES
MIT101	Mathematical foundation for Computer Science	• Understand mathematical logic to solve problems. • Understand sets, relations, functions and discrete structures. • Use logical notations to define and reason about fundamental mathematical concepts such as sets relations and functions. • Formulate problems and solve recurrence relations. • Model and solve real world problems using graphs and trees.
MIT102	Programming in C	• Understand the basic concepts in Computer & C Programming. • Identify and Apply different construct available for iteration such as 'for', 'while' and 'do-while'. • Understand various storage concepts. • Develop C programs using functions. • Summarize the concepts of Pointers and Files.
MIT103	Management Principles and Practice	• Understand the concepts of Planning. • Describe Organization Structure. • Analyse various leadership skills.

		• Develop communication skills. • Analyse various controlling types.
MIT104	Data Structures and Algorithms	• Identify the types of data structures like stack, queue and linked list. • Apply tree data structures. • Demonstrate different hashing techniques and sorting techniques. • Describe the basic of graph terminologies and the operations involved in graph. • Discuss and implement various dynamic programming techniques.
MIT105	Visual Programming	• Understand Visual Basic Development Environment. • Analyse Various Controls. • Understand Menus and Graphics. • Analyse different ADO concepts. • Apply different concepts in .NET
MIT106	Lab-I Data Structures using	• Develop programs using linear data structures and tree traversal.

NAAC – 4th CYCLE – Self Study Report (SSR)

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and
	Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

	C	• Implement programs using doubly and circular linked list.
		• Construct programs using nonlinear data structures.
		• Apply stack and Queue operations.
		• Apply various sorting algorithms.
MIT107	LAB-II Visual Programming	• Understand various application types.
		• Create dynamic window application.
		• Use asp.net controls in web application.
		• Build interactive WebPages.
		• Generate different reports.
MIT208	Relational Data base Management System	• Explain the structure and model of the relational database system.
		• Design multiple tables and use group functions, sub queries.
		• Design a database based on a data model considering the normalization to a specified level.
		• Develop E- R model based tables.
		• Evaluate different PL/SQL blocks.
MIT209	Business Research	• Understand some basic concepts of research and its

NAAC – 4ᵗʰ CYCLE – Self Study Report (SSR)

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and
	Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

		methodologies. • Identify appropriate research topics. • Analyse different sampling methods. • Apply data collection technique. • write a research report and thesis
MIT210	Software Engineering	• Understand how to plan a software project. • Analyse the cost estimate and problem complexity using various estimation techniques. • Prepare the SRS, Design document, Project plan of a given software system. • Apply Software design and implementation ideas in S/W project development. • Generate test cases using White Box testing and Black Box testing.
MIT211	Marketing Management	• Demonstrate strong conceptual knowledge in the functional area of marketing management. • Analyse buyer's behaviour. • Understand Product Life Cycle

NAAC – 4ᵗʰ CYCLE – Self Study Report (SSR)

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

		• Demonstrate pricing and physical distribution • Analyse various Promotion activities.
MIT213	Lab III - RDBMS	• Explain Various SQL Commands. • Write SQL queries to user specifications • Design database schema considering normalization and relationships within database. • Develop PL/SQL Programs. • Develop triggers, procedures and Cursors.
MIT214	Lab IV - Multimedia Applications	• Create and Manage content. • Use the Timeline concepts. • Use Motion Pre-sets. • Create Animations Using Motion Tweens. • Create Movie clips.
MIT216	Communication Skills	• Describes communication theory, its type , barriers of communication and the strategies involved. • Develop group communication, speaking skills, group discussion, interview and public speech.

NAAC – 4th CYCLE – Self Study Report (SSR)

Criterion	:	II – Teaching-Learning and Evaluation
Metric	:	2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	:	2015 - 2020

		• Analyse close reading, comprehension, summary paraphrasing. • Apply translation from Indian language to English and vice-versa. • Build writing skills, documenting report, writing making notes and letter writing
MIT217	Special Course I- E office Lab	• Create, edit, and format a document • Make use of office package for documentation, presentation and visualization charts • Create tables and reports • Develop various presentations • Design various excel sheets.
MIT212A	Marketing of Services	• Understand different Services in Marketing. • Analyse various products and Pricing. • Evaluate various service promotions. • Understand People and process in Marketing. • Apply various service strategies.
MIT212B	Financial Management	• Understand the basic concepts of financial management. • Analyse short-term financing decision.

NAAC – 4th CYCLE – Self Study Report (SSR)

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and
	Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

		• Evaluate long-term investments decision. • Understand long term financing decisions. • Apply dividend policy decisions.
MIT212C	Human resource Management	• Understand the concept of human resource management and to understand its relevance in organizations. • Develop necessary skill set for application of various human resource issues. • Analyse the strategic issues and strategies required to select and develop manpower resources. • Apply human resource concepts to take correct business decisions. • Analyse different maintenance strategies.
MIT318	Data Communications and Networking	• Describe the components of a data communications system • Identify various transmission media and signalling. • Describe error detection and correction techniques. Describe switching techniques. • Illustrate various networking devices.

		• Analyse OSI Layer and TCP/IP layer.
MIT319	Organisational Behaviour	• Demonstrate the applicability of the concept of organizational behaviour to understand the behaviour of people in the organization. • Demonstrate the applicability of analysing the complexities associated with management of individual behaviour in the organization. • Analyse the complexities associated with management of the group behaviour in the organization. • Demonstrate how the organizational behaviour can integrate in understanding the motivation behind behaviour of people in the organization. • Analyse various conflict management techniques.
MIT320	JAVA & J2EE	• Understand the concepts of Object-Oriented Programming & Java Programming Constructs. • Understand basic concepts of Java such as operators, classes, objects, inheritance, packages, Enumeration and various keywords.

		• Understand the concept of packages, threads, exceptions. • Design Java & Java applet based applications. • Design JDBC related applications.
MIT321A	Linux Shell Programming	• Know the concept of Shell programming. • Implement various concepts with files. • Understand Linux Environment. • Recognize the concept of terminal and implement threads concept. • Use Text based screens
MIT321B	Web Technology	• Explain Various HTML & DHTML tags. • Understand VbScript. • Know JSP concepts • Demonstrate asp.net concepts. • Develop WebPages with database.
MIT321C	Cryptography and Information Security	• Understands the basic concepts of security • Analyse various cryptographic algorithms while applying practically.

NAAC – 4th CYCLE – Self Study Report (SSR)

Criterion	: II – Teaching-Learning and Evaluation
Metric	: 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)
Year	: 2015 - 2020

		• Identify email and IP security. • Compare different web security techniques. • Summarize the concepts of firewall and viruses.
MIT322A	Advertising Management	• Understand the concepts of advertising. • Analyse different advertising Ideas. • Know about media planning. • Describe about Advertisement. • Analyse advertising effectiveness.
MIT322B	Management Accounting	• Understand the concepts of accounting. • Analyse different final accounts. • Know about cost accounting. • Describe about marginal costing. • Analyse budgetary control.
MIT322C	Industrial Relations	• Understand the concepts of industrial relations. • Describe trade unions. • Analyse worker's participation in Management. • Examine Industrial Disputes.

		• Analyse settlement machinery.
MIT323	LAB V Programming in JAVA	• Implement Object Oriented programming concept using operators and control Structures.. • Design java programs using inheritance, interfaces and packages. • Implement exception handling mechanism and multithreading concept. • Design Java applet based applications. • Design applications with JDBC connectivity.
MIT324	LAB VI Web Designing	• Explain Various HTML tags. • Design WebPages with DHTML. • Design Web pages using VB script. • Develop client side Scripting using VB script. • Develop WebPages with ASP.NET
MIT327	Special Course II- PHP & MYSQL	• Understand basic PHP syntax. • Apply MySQL commands. • Analyse various error handling and debugging techniques. • Design PHP programming with MySQL database.

Criterion : II – Teaching-Learning and Evaluation

Metric : 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC. (IT&M)

Year : 2015 - 2020

		• Develop WebPages with PHP.