Programme	:	Diploma in CE/ EE/ET/ ME/MT/ CM /IT
Programme Code	:	01/02/03/04/05/06 /07/15/16/17/18
Name of Course	:	**Management Information System**
Course Code	:	**MA487**

Teaching Scheme:

	Hours /Week	Total Hours
Theory	**03**	**48**
Practical	---	---

Evaluation Scheme:

	Progressive Assessment	Semester End Examination			
		Theory	**Practical**	**Oral**	**Term work**
Duration	Two class tests, each of 60 Min. duration	**03 Hrs.**	---	---	---
Marks	**20**	**80**	---	---	---

Course Rationale:

MIS is a concept continuous to evolve, emerging trend consistent with the evolution of the MIS concept endures computing. It is the power of computers, which makes MIS feasible. It also deals with the impact of computers and information technology innovation and organizational design and planning. It is used to know how to manage any organization using Software requirement specification Data flow diagrams, coding techniques for evolution of manager. From this point of view, the course is introduced.

Course Objectives:

After studying this course, the student will be able to

	• Understand the role of MIS in various functional areas of management.
	• Understand the determination of requirement and analysis it to design information system necessary.
	• Understand the supporting role of MIS in decision-making, problem solving • Understand the management in finance department. • Understand the role of coding techniques for authentication • Develop and use different management skills • Visualize the impact of information Technology in organizational communication & leadership • Understand the concept of quality management • Understand the use of database management system in MIS • Understand the role of taxation in India by studying the types of taxes such as service tax,income tax,excise duty,VAT

- Determine the alternative solutions
- Understand various steps required to process any organization using system development cycle
- Understand the concept of Profit and loss, details about budgeting system

Course Contents:

Chapter No.		Name of Topic/Sub topic	Hrs	Marks
1.		**Information Systems and Organizations**		
	1.1	Organizational and Information,System Structure,Data and Information,Management and Decision Making,Classification of Information Systems, Information support for functional areas of Management,Impact of Business on Information System,Organizing Information Systems	**04**	**10**
	1.2	Decision Support Systems: Definition, Evolution of DSS, Characteristics of DSS,Model Management, Group Decisions		
2.		**System Analysis and Design**		
	2.1	Organizational context of System Analysis,Role of System Analyst,System Development Life Cycle,Requirements Analysis	**04**	**10**
	2.2	System Requirements Specification: System requirements specification: Example, Data dictionary, Steps in Systems Analysis, Modularizing requirements specifications, Conclusions.		
3.		**Feasibility Analysis**		
	3.1	Deciding on project goals, Examining alternative solutions, Evaluating proposed solution, Cost-benefit analysis, Payback period, Feasibility report, and System proposal.		
	3.2	Data flow diagrams: Symbols used in DFD's Describing a system with a DFD, Good conventions in developing DFDs Leveling of DFDs, Logical and Physical DFDs.	**08**	**15**
	3.3	Process Specifications: Process specification methods, structured English Some examples of process specification.		
4.		**Management**		

	4.1	**Quality Management:** **Specific Objectives:** Meaning of Quality State Principles of Quality Management, Describe Modern Technique & Systems of Quality Management **Quality Management System**: Activities, Benefits Quality Control - Objectives, Functions, Advantages Quality Circle - Concept, Characteristics & Objectives Quality Assurance - Concept, Quality Assurance System **Total Quality:** Meaning of Total Quality **Total QualityManagement:** Components of TQM, Elements of TQM, Benefits Modern Technique & Systems of Quality Management like 6-Sigma, ISO 9001:2000 - Benefits, Main clauses.		
	4.2	**Financial Management** **Specific Objectives:** Explain functions of financial management; State the sources of finance & types of budgets, Describe concepts of direct & indirect taxes. Financial Management- Objectives & Functions **Budgets and accounts :**Types of Budgets Production Budget - Sample format: Labour Budget - Sample format, **Profit & Loss Account & Balance Sheet**: Meaning, sample format, Meaning of different terms involved. Meaning & Examples of - Excise Tax, ServiceTax, Income Tax,Value Added Tax, Custom Duty	10	15
	4.3	Data input Methods: Data input, Coding techniques, Detection of error in codes, Validating input data, interactive data input.		
5.		**Executive Information System and Executive Support System**		
	5.1	Why EIS and ESS? Internal factor and External factor		
	5.2	What is EIS and ESS? Characteristics of EIS and ESS		
	5.3	Informational characteristics, User Interface/Orientation Characteristics, Managerial/Executive Characteristics	10	15
	5.4	EIS/ESS Capabilities and Benefits		
	5.5	Expert System-Definition,Components,Application and Limitations		
6.		**Management Issues in MIS**		
	6.1	Information Security and Control :Why breakIT System Security?		
	6.2	Information System Security Threats: External Security Threats: Internet Connections,Remote Dial –in Capabilities Internal Security Threats: Passwords,User Terminations,Authorisation Levels, Special Privileges, Virus Checking, Audit Trails	12	15
	6.3	Ethical And Social Dimensions		

		Total	48	80

Instructional Strategy:

Sr. No.	Topic	Instructional Strategy
1.	Information and Management	
2.	Information Gathering	
3.	Feasibility Analysis	**Class room teaching for all**
4.	Decision Table	
5.	Database Management Systems (DBMS)	
6.	Control Audit and security of information systems	

Text Books:

Sr. No	Author	Title	Publication
1.	V Rajaraman	Analysis & design of Information system	PHI
2.	S.Sadagopan	Management Information Systems	PHI
3.	James A.O`Brien George M.Marakas	Management Information Systems -*Tenth Edition*	McGraw Hill

Reference Books:

Sr. No	Author	Title	Publication
1.	Gordon B. Davis and Margeth H. Olson	MIS	
2.	Kroenke Davis	Management information System	2nd edition
3.	Sein	MIS	
4.	Jawadekar W.S.	MIS	
5.	Millind Oka	MIS	
6.	Jayashankar	Decision Support Systems	
7.	Lucas	Information System Concepts for Management	4th edition

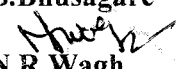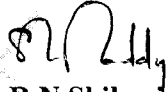**Learning Resources:** OHP, LCD Projector and Transparency.

Specification Table:

Sr. No.	Topic	Cognitive Levels			Total
		Knowledge	Comprehension	Application	
1.	Information and Management	04	04	02	10
2.	Information Gathering	04	02	04	10
3.	Feasibility Analysis	02	08	05	15
4.	Decision Table	02	08	05	15
5.	Database Management Systems (DBMS)	06	04	05	15
6.	Control Audit and security of information systems	04	05	06	15
	Total	**22**	**31**	**27**	**80**

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