



# MAHARAJA KRISHNAKUMARSINHJI BHAVNAGAR UNIVERSITY

NAAC Accreditation Grade "B"

(With effect from Academic Year: 2018-19)

<b>B.Sc. (I.T.) SEM-V</b>			
Paper EC: 501		Title of the Paper: <b>IT Project Management</b>	
Total Marks: 100		Credits: 02	
Marks Semester End Examination 70 Marks Continuous			
Internal Evaluation: 30 Marks			
Unit	Detail Syllabus	Teaching Hours	Marks/Weight
1	<b>Introduction</b> <ul style="list-style-type: none"><li>• Definition of the project</li><li>• Project specification and parameters.</li><li>• Goals of IT Project Management.</li><li>• Project management life cycle</li></ul>	6	14
2	<b>IT Project</b> <ul style="list-style-type: none"><li>• Introduction to types of Project.</li><li>• Overview of Project Planning.</li><li>• Project Analysis.</li><li>• Software Estimation.</li></ul>	6	14
3	<b>Activity Planning</b> <ul style="list-style-type: none"><li>• Project Management Activity.</li><li>• Project Coast Estimation.</li><li>• Project Planning.</li><li>• Project Scheduling.</li></ul>	6	14
4	<b>Risk Management</b> <ul style="list-style-type: none"><li>• Risk Management: Resource Allocation –Monitoring and control.</li><li>• Team Management.</li><li>• Role and Responsibilities in Project Team</li><li>• Project Tracking.</li></ul>	6	14
5	<b>Case Study</b> <ul style="list-style-type: none"><li>• Institute Management System, Inventory Management System, Hospital Management System, Hotel Management System, Etc.....</li></ul>	6	14

## Reference Books

1. John J. Rakos, "Software Project Management", 1998, Prentice Hall
2. Walker Royce, "Software Project Management", 2001, Pearson Education.
3. Roger S. Pressman, "Software Engineering", 2001, McGraw Hill.
4. Jack T. Marchewka, Information Technology Project Management, 4<sup>th</sup> Edition.
5. Mike Cotterell, Bob Hughes- Software Project Management- McGraw Hill 5<sup>th</sup> Edition.



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<b>B.Sc. (I.T.) SEM-VI</b>			
Paper EC: 601		Title of the Paper: <b>MULTIMEDIA &amp; APPLICATION</b>	
Total Marks: 100		Credits: 02	
Marks Semester End Examination 70 Marks Continuous			
Internal Evaluation: 30 Marks			
Unit	Detail Syllabus	Teaching Hours	Marks/Weight
1	<b>Multimedia- the Concept</b> <ul style="list-style-type: none"><li>• Introduction</li><li>• Multimedia Definition and Main properties of multimedia system</li><li>• Combination of media</li><li>• Use of multimedia in Education, Entertainment, Advertisement, etc.</li></ul>	6	14
2	<b>Components of Multimedia-1 (Text and Graphics)</b> <ul style="list-style-type: none"><li>• Text</li><li>• Images and File Format</li><li>• Graphics and File Format</li><li>• Basic concept, Digital image representation</li></ul>	6	14
3	<b>Components of Multimedia-2</b> <ul style="list-style-type: none"><li>• Digital Audio - Basic sound concept, representation of sound, audio formats</li><li>• Basic concept of Video</li><li>• Signal representation and Computer video format</li><li>• Basic concept of animation and languages</li></ul>	6	14
4	<b>Data Compression</b> <ul style="list-style-type: none"><li>• Compression technique</li><li>• JPEG</li><li>• MPEG</li><li>• Storage Media</li></ul>	6	14
5	<b>Multimedia Applications</b> <ul style="list-style-type: none"><li>• Application of multimedia</li><li>• General Design Issues</li><li>• Planning of multimedia</li><li>• Design of Multimedia</li></ul>	6	14

## Reference Books

1. Multimedia: Computing, Communications and Application by Ralf Steinmetz and Klara Nahrshedt (Pearson Education Asia)