

GUJARAT TECHNOLOGICAL UNIVERSITY

B. E. SEMESTER: VI

Mining Engineering

Subject Name: **Computer Application in Mining**

Subject Code: **162206**

Teaching Scheme				Evaluation Scheme		
Theory	Tutorial	Practical	Total	University Exam (Theory) (E)	Mid Sem Exam (Theory) (M)	Practical (I)
2	0	0	2	70	30	50

Sr. No	Course Content	Total Hrs.
1.	Introduction to Computer Graphics: Input and Output devices, displays; graphics printers, plotters, digitizers, scanners and pointing devices -	6
2.	Points, line, plane and co-ordinates. Vectors pixels and frame buffers. Line and circle generation algorithms. Introduction to 2D Transformation, Translation, rotation, scaling, shearing and reflection	10
3.	Introduction to database system. Use of any DBMS package for programming related to mining activities	8
4.	Introduction to CAD and its application of Mining	4

Reference Books:

1. Surface Mining Technology – S.K.Das
2. Computer Graphics – K.H.Vandara
3. Auto CAD 2008 – Tymotheny,Sean Sykes
1. Data Base Management System – Ravi Jasuja