	Information of every subject	
1	Unit name:	-Basic Engineering Drawing I
2	Code:	ME-11011
3	Classification:	Engineering subject
4	Credit value:	2
5	Semester/ Year Offered:	1/2
6	Pre-requisite:	
7	Mode of delivery:	Lecture, Classwork
8	Classwork	40%
	practical	-
	Viva	-
	Mid-term/ final Examination	30% / 30%
9	Academic staff teaching unit:	
10	Course outcome of unit: In this course, students will be able **Semester (I)** -To be able to use the engineering drawing instruments and materials. -To apply geometrical drawings and general ideas of dimensions. -To illustrate multi-views projection and sectional views. **Semester (II)** -To draw isometric views by understanding basic geometrical rules. -To draw auxiliary views by understanding basic geometrical rules. -To draw development and intersection of surface by understanding basic geometrical rules.	
11	Synopsis of unit: Regardless of the language they speak,people all over the world use technical drawings to communicate their ideas.A new product,machine,structure,or system may exist in the mind of the engineer or designer.They learn specific methods to represent ideas,designs and specijications in a consistent way that others can understand.	

12	Topic: **Semester (I)** **Chapter 1 The worldwide graphic language for design** - Importance of technical drawing **2 Layouts and lettering** - Drawing Instrument and their uses - Lettering **3 Technical Sketching** - Geometrical Constructions **4 Orthographic Projection** - Multi-views Projection of Objects(Orthographic View) **5 2D Drawing Representation** - Dimensioning - Orthographic Views **6 Sectional Views** - Sectional drawing **Semester (II)** **Chapter 7 Auxiliary Views** - Understanding auxiliary views - Projecting an auxiliary views - Understanding intersections **14 Axonometric Projection** - Understanding an Isometric Projection
14	Main references: "Technical Drawing,13th Edition,F.E.Giesecke,A.Mitchell,HC Spencer, I.L.Hill,J.T.Dygdon,J.E.Novak and S.Lock hart,2009
15	Additional references: Frederick E.Giesecke,Alva Mitchell,Henry Ceil Spencer,Ivan Leroy Hill,John Thoomas Dygdon,James E.Novak,Shawna Lockhart