



**SCHOOL OF CIVIL ENGINEERING**  
**KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY (KIIT)**  
Deemed to be University

AUTUMN SEMESTER 2022-23

**SESSIONAL COURSE HANDOUT**

**Date: 16th Oct 2022**

- 1. Course Code: CE 18001**
- 2. Course title: Engineering Drawing & Graphics**
- 3. L-T-P Structure: 0-0-2**
- 4. Credit: 1**
- 5. Category: Engineering Science**
- 6. Course faculty:**

Sl. No	Section	Faculty
1	A 28, A 34	Prof. I. Panda

- 7. Course (learning) outcomes:** At the end of the course, the students will be able to:

CO1: use drawing tools and understand, lettering, and AUTOCAD commands  
CO2: understand the principles of orthographic and isometric projection  
CO3: draw the projection of points and lines  
CO4: draw the projection of planes  
CO5: draw the projection of solids and section of solids  
CO6: develop surface of solids

**8. List of Sessional Components**

Sl No	Title	No. of classes	Mode
1	Introduction to Engineering graphics and AUTOCAD	2	Manual & AutoCAD
2	Lettering	1	Manual
3	Projection of points	1	Manual
4	Projection of lines and lines inclined to both the planes	1	AutoCAD

5	Class test before midsem examination	1	AutoCAD
6	Projection of planes	1	AutoCAD
7	Projection of solids	1	AutoCAD
8	Section of solids	1	AutoCAD
9	Development of surface	1	AutoCAD
10	Doubt clearing and revision	1	Manual and AutoCAD

## 9. References

**T1:** “Engineering Drawing & Graphics + AutoCAD” by K. Venugopal, New Age International Publisher

## 10. Assessment Components:

S No.	Assessment Component	Weightage / Marks
1	<b>Continuous Evaluation</b> • Attendance & performance in each sessional component	<b>Total Marks -70</b> • 70 Marks*
	• Class Test	• 10 Marks
2	<b>End Semester Examination</b> • A comprehensive viva-voce seeking general awareness of the sessional course	<b>Total Marks - 20</b> • 20 Marks

\* Students with regular submission - to be evaluated out of 10 Marks

Students with late submission - 1 mark deduction per week late submission

Students absent in sessional component but submitted the sheet - to be evaluated out of 06 Marks

## 11. Makeup:

- Make-up sessional classes will be conducted for students under exceptional circumstances such as admission in a hospital due to illness / injury, calamity in the family at the time of sessional class etc. by the respective Course Instructor as per his/her discretion.

**Course Coordinator**

**Program Head, B.Tech**