

## **Engineering Drawing & Graphics**

### Details of Laboratory.

#### Lab in-charge: Mr. Palash Biswas

The objective of this lab is to learn basics of engineering drawing or drafting as a tool for expressing an engineering design. This laboratory is scheduled for 1<sup>st</sup> and 2<sup>nd</sup> semester for all engineering students. Apart from curriculum, some additional experimental setups are there which helps the students to enhance their knowledge. Students also get opportunity to implement their ideas through various application oriented micro projects.

#### Major Equipments.

- 2 Drawing board.
- 3 Mini drafter.
- 4 Eraser.
- 5 Pencils.
- 6 Protractor.
- 7. French curves.
- 8. T Scale

## List of Experiments.

S1.	Description
1.	Line, Lettering , Dimensioning, Scale
2.	Geometrical construction of various geometrical figures, conic section
3.	Introduction of projection, Point Projection, Line projection
4.	Solid projection, sectional view
5.	Orthographic Projection isometric Projection
6.	2D drawing and drafting of Auto CAD

### Lab Occupancy

# $\begin{array}{c} IIS\ College\ of\ Engineering \\ Lecture\ and\ Lab\ schedule\ for\ odd\ semester\ 2017-2018 \\ B.Tech-1^{st}\ Year\ class \end{array}$

STREAM/BATCH: ME-1A

DAYS	10 am to 11 am	11 am to 12 am	12 pm to 1pm	1 to 2pm	2 to 3pm	3 to 4 pm	4 to 5 pm	5 to 6 pm		
MON										
	ME291Gr.2A(2	)[PB+TS]								
TUE										
WED				Re						
WED				Recess						
THU										
FRI										
					ME291Gr	r.2A(1)[PB+TP]				

**Subjects:** ME291 Engineering Drawing & Graphics

**Faculty name:** SG- Dr. Sandip Ghosh, ARS-Dr. Anal Ranjan Sengupta, SP-Dr. Suresh Prasad,DS- Mr. Dipak Shaw TP-Ms.Thia Pal, BJ-Mr. Bikash Joadder, TS-Mr. Tanmoy Sarkar DM- Mr. Dhiraj Mondal, D Majumder, RB-Mr. Rupak Bhattacharjee, MD- Mr. Mrinmoy Dum,SD-Mr.Sudip Das,SB-Mrs.Sagata Bhattacharjee

Routine Coordinator (Prof. P. Biswas)

HOD (Prof. (Dr.) S. Ghosh) Principal (Prof. (Dr.) M. R. Dave)

# $\begin{array}{c} \textbf{JIS College of Engineering} \\ \textbf{Lecture and Lab schedule for odd semester 2017-2018} \\ \textbf{B.Tech} - \mathbf{1}^{st} \ \textbf{Year class} \end{array}$

#### STREAM/BATCH: ME-1A

DAYS	10 am to 11 am	11 am to 12 am	12 pm to 1pm	1 to 2pm	2 to 3pm	3 to 4 pm	4 to 5 pm	5 to 6 pm		
MON						ME291Gr.2B(2)[SH+TS]				
MON										
TUE										
WED				Recess						
THU	ME 291,Gr.ME	2B(1)[SH+TS]								
FRI										

Subjects: ME291 Engineering Drawing & Graphics

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Routine Coordinator HOD Principal (Prof. P. Biswas) (Prof. (Dr.) S. Ghosh) (Prof. (Dr.) M. R. Dave)

### Course Name: Engg. Drawing & Graphics

Course Code: ME291

Pre requisites: Higher Secondary with Physics, Chemistry & Mathematics

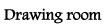
Course Objective. To learn basics of engineering drawing or drafting as a tool for expressing an engineering design

Course Outcomes: Upon successful completion of this course, the student will be able to:

- 1. Learn basics of drafting and use of drafting tools which develops the fundamental skills of industrial drawings.
- 2. Know about engineering scales, dimensioning and various geometric curves necessary to understand design of machine elements.
- 3. Understand projection of line, surface and solids to create the knowledge base of orthographic and isometric view of structures and machine parts.
- 4. Become familiar with computer aided drafting useful to share the design model to different section of industries as well as for research & development.

СО	PO	PO	PO	РО	РО	РО	РО	РО	РО	РО	PO	PO	PSO	PSO	PSO	
Codes	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	
ME	2		1	2		1			1			1	1	1	1	
291.1		_	1	4	_	1	_	_	1	_	_	1				
ME	3		2	2		1			1	1		1		1	2	
291.2	3	_	4		_	1	_	_	1	1	_	1				
ME	2	2	2	1		1			1			1		1	-	
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ME	1		2	2	2	1			1	1		1	1	1	3	
291.4	1	1	_	4	4		1	_	_	1	1	1	1			
Average	2	2	1.75	1.75	2	1	_	_	1	1	_	1	1	1	2	



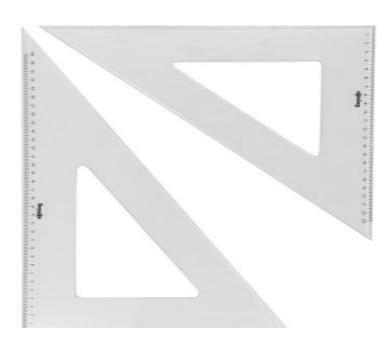




Drafter







Set Square