COURSE FILE

ON

COMPUTER AIDED ENGINEERING GRAPHICS

Course Code - ME101ES

I - B.Tech Semester-I
A.Y. 2022-2023

Prepared by

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PRINCIPAL
Sri Indu Institute of Engineering & Tech.
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INSTITUTE VISION & MISSION

Vision:

To become a premier institute of academic excellence by providing the world class education that transforms individuals into high intellectuals, by evolving them as empathetic and responsible citizens through continuous improvement.

Mission:

- **IM1:** To offer outcome-based education and enhancement of technical and practical skills.
- **IM2:** To Continuous assess of teaching-learning process through institute-industry collaboration.
- **IM3:** To be a centre of excellence for innovative and emerging fields in technology development with state-of-art facilities to faculty and students' fraternity.
- **IM4:** To Create an enterprising environment to ensure culture, ethics and social responsibility among the stakeholders.

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PROGRAM OUTCOMES

PO1: **ENGINEERING KNOWLEDGE**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: **PROBLEM ANALYSIS**: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: **DESIGN/DEVELOPMENT OF SOLUTIONS**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: **CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: **MODERN TOOL USAGE**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6: **THE ENGINEER AND SOCIETY**: Apply reasoning informed by the contextual knowledge to assesssocietal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: **ENVIRONMENT AND SUSTAINABILITY**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: **ETHICS**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: **INDIVIDUAL AND TEAM WORK**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: **COMMUNICATION**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, give and receive clear instructions.

PO11: **PROJECT MANAGEMENT AND FINANCE**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: **LIFE-LONG LEARNING**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

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SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY

B.Tech. in COMPUTER SCIENCE AND ENGINEERING
COURSE STRUCTURE, I YEAR SYLLABUS (BR22 Regulations)

Applicable from Academic Year: 2022-23 Batch

I Year I Semester

S. No.	Course Code	Course Title	L	T	P	Credits
1.	MA101BS	Matrices and Calculus	3	1	0	4
2.	CH103BS	Engineering Chemistry	3	1	0	4
3.	CS103ES	Programming for Problem Solving	3	0	0	3
4.	EE101ES	Basic Electrical Engineering	2	0	0	2
5.	ME101ES	Computer Aided Engineering Graphics	1	0	4	3
6.	CS106ES	Elements of Computer Science & Engineering	0	0	2	1
7.	CH106BS	Engineering Chemistry Laboratory	0	0	2	1
8.	CS107ES	Programming for Problem Solving Laboratory	0	0	2	1
9.	EE102ES	Basic Electrical Engineering Laboratory	0	0	2	1
		Induction Program				
		Total	**12**	**2**	**12**	**20**

I Year II Semester

S. No.	Course Code	Course	L	T	P	Credits
1.	MA201BS	Ordinary Differential Equations and Vector Calculus	3	1	0	4
2.	AP202BS	Applied Physics	3	1	0	4
3.	ME202ES	Engineering Workshop	0	1	3	2.5
4.	EN204HS	English for Skill Enhancement	2	0	0	2
5.	EC201ES	Electronic Devices and Circuits	2	0	0	2
6.	AP205BS	Applied Physics Laboratory	0	0	3	1.5
7.	CS201ES	Python Programming Laboratory	0	1	2	2
8.	EN207HS	English Language and Communication Skills Laboratory	0	0	2	1
9.	CS203ES	IT Workshop	0	0	2	1
10.	*MC201ES	Environmental Science	3	0	0	0
		Total	**13**	**4**	**12**	**20**

COMPUTER AIDED ENGINEERING GRAPHICS
(Course Code: ME101ES)

B.Tech. I Year I Sem.

L	T	P	C
1	0	4	3

Course Objectives:

- To develop the ability of visualization of different objects through technical drawings
- To acquire computer drafting skill for communication of concepts, ideas in the design of engineering products

Course Outcomes: At the end of the course, the student will be able to:

- Apply computer aided drafting tools to create 2D and 3D objects
- sketch conics and different types of solids
- Appreciate the need of Sectional views of solids and Development of surfaces of solids
- Read and interpret engineering drawings
- Conversion of orthographic projection into isometric view and vice versa manually and by using computer aided drafting

UNIT – I:

Introduction to Engineering Graphics: Principles of Engineering Graphics and their Significance, Scales – Plain & Diagonal, Conic Sections including the Rectangular Hyperbola – General method only. Cycloid, Epicycloid and Hypocycloid, Introduction to Computer aided drafting – views, commands and conics

UNIT- II:

Orthographic Projections: Principles of Orthographic Projections – Conventions – Projections of Points and Lines, Projections of Plane regular geometric figures. Auxiliary Planes. Computer aided orthographic projections – points, lines and planes

UNIT – III:

Projections of Regular Solids – Auxiliary Views - Sections or Sectional views of Right Regular Solids – Prism, Cylinder, Pyramid, Cone – Auxiliary views, Computer aided projections of solids – sectional views

UNIT – IV:

Development of Surfaces of Right Regular Solids – Prism, Cylinder, Pyramid and Cone, Development of surfaces using computer aided drafting

UNIT – V:

Isometric Projections: Principles of Isometric Projection – Isometric Scale – Isometric Views – Conventions – Isometric Views of Lines, Plane Figures, Simple and Compound Solids – Isometric Projection of objects having non- isometric lines. Isometric Projection of Spherical Parts. Conversion of Isometric Views to Orthographic Views and Vice-versa –Conventions. Conversion of orthographic projection into isometric view using computer aided drafting.

TEXT BOOKS:

1. Engineering Drawing N.D. Bhatt / Charotar
2. Engineering Drawing and graphics Using AutoCAD Third Edition, T. Jeyapoovan, Vikas: S. Chand and company Ltd.

REFERENCE BOOKS:

1. Engineering Drawing, Basant Agrawal and C M Agrawal, Third Edition McGraw Hill
2. Engineering Graphics and Design, WILEY, Edition 2020
3. Engineering Drawing, M. B. Shah, B.C. Rane / Pearson.
4. Engineering Drawing, N. S. Parthasarathy and Vela Murali, Oxford
5. Computer Aided Engineering Drawing – K Balaveera Reddy et al – CBS Publishers

Note: - External examination is conducted in conventional mode and internal evaluation to be done by both conventional as well as using computer aided drafting.

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Khalsa Ibrahimpatnam, Sheriguda(V), Ibrahimpatnam(M), Ranga Reddy Dist., Telangana – 501510

Course: Computer Aided Engineering Graphics (C115) **Class: I-B.TECH CSE**

Course Outcomes

After completing this course the student will be able to:

C115.1 : Read and interpret engineering drawings (Analyzing)

C115.2 : Sketch conics and different types of solids (Applying)

C115.3 : Draw projection of points, lines, planes and auxiliary planes(Creating)

C115.4 : Appreciate the need of Sectional views of solids and Development of surfaces of solids (Evaluating)

C115.5 : Apply computer aided drafting tools to create 2D and 3D objects (Remembering)

C115.6 : Conversion of orthographic projection into isometric view and vice versa manually and by using computer aided drafting (Understanding)

CO's Mapping with PO/PSO

Mapping of course outcomes with program outcomes:

High -3 Medium -2 Low-1

PO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C115.1	3	-	-	-	-	-	-	1	-	1	-	-
C115.2	3	-	-	-	-	-	-	1	-	1	-	-
C115.3	2	-	-	-	-	-	-	1	-	1	-	-
C115.4	2	-	-	-	-	-	-	1	-	2	-	-
C115.5	3	-	-	-	-	-	-	1	-	2	-	-
C115.6	3	-	-	-	-	-	-	1	-	2	-	-
C115	2.6	-	-	-	-	-	-	1	-	1.5	-	-

CO-PO mapping Justification

PO1. ENGINEERING KNOWLEDGE: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

PO8. ETHICS: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO10: COMMUNICATION: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, give and receive clear instructions.

C115.1 Read and interpret engineering drawings (Analyzing)

	Justification
PO1	Student able to understand the fundamentals of engineering graphics(level 1)
PO8	Student able to apply the principle of scales, conics and Cycloidal curves (level 1)
PO10	Student can read and interpret the drawings for effective communication (level 1)

C115.2: Sketch conics and different types of solids (Applying)

	Justification
PO1	Student able to understand the fundamentals of Projection of points, lines and planes(level 1)
PO8	Student able to apply the principles of Projection of points, lines and planes(level 2)
PO10	Student can read and interpret the drawings for effective communication (level 2)

C115.3: Draw projection of points, lines, planes and auxiliary planes (Creating)

	Justification
PO1	Student able to understand the fundamentals of Projection of solids(level 2)
PO8	Student able to apply the principles of Projection of solids (level 3)
PO10	Student can read and interpret the drawings for effective communication (level 3)

C115.4: Appreciate the need of Sectional views of solids and Development of surfaces of solids (Evaluating)

	Justification
PO1	Student able to understand the fundamentals of Developments of surfaces (level 1)
PO8	Student able to apply the principles of Developments of surfaces (level 2)
PO10	Student can read and interpret the drawings for effective communication (level 2)

C115.5: Apply computer aided drafting tools to create 2D and 3D objects (Remembering)

	Justification
PO1	Student able to understand the fundamentals of Isometric projections(level 2)
PO8	Student able to apply the principles of Isometric projections (level 3)
PO10	Student can read and interpret the drawings for effective communication (level 1)

C115.6: Conversion of orthographic projection into isometric view and vice versa manually and by using computer aided drafting (Understanding)

	Justification
PO1	Student able to understand the fundamentals of Orthographics projections (level 1)
PO8	Student able to apply the principles of Orthographics projections (level 2)
PO10	Student can read and interpret the drawings for effective communication (level 1)

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https://siiet.ac.in/

Lr. No. SIIET/BR22/Academic Calendar/2022/02 Date: 15.12.2022

REVISED ACADEMIC CALENDAR
I B.TECH FOR THE ACADEMIC YEAR 2022-23
(BR22-REGULATIONS)

Dr. I. Satyanarayana,
Principal.

X3

To,
All the HOD's
Sir,

Sub: SIIET (Autonomous)–Academic & Evaluation–Revised Academic Calendar for **I B.Tech - I & II Semesters** for the academic year 2022-2023-Reg.

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The approved Academic Calendar for **I B.Tech – I & II Semesters** for the academic year 2022-23 is given below.

I-SEMESTER

S. NO	Description	Period		Duration
		From	To	
1.	Commencement of I Semester class work (including Induction programme)	03.11.2022		
2.	1st Spell of Instructions	03.11.2022	28.12.2022	8 Weeks
3.	I Mid Examinations	`29.12.2022	04.01.2023	1 Week
4.	Submission of First Mid Term Exam Marks to the Autonomous Section on or before	10.01.2023		
5.	2nd Spell of Instructions	05.01.2023	02.03.2023	8 Weeks
6.	Second Mid Term Examinations	03.03.2023	09.03.2023	1 Week
7.	Preparation & Practical Examinations	10.03.2023	16.03.2023	1 Week
8.	Submission of Second Mid Term Exam Marks to the Autonomous Section on or before	16.03.2023		
9.	I Semester End Examinations	17.03.2023	01.04.2023	2 Weeks

II-SEMESTER

S. NO	Description	Period		Duration
		From	To	
1.	Commencement of II Semester class work	03.04.2023		
2.	1st Spell of Instructions (including Summer Vacation)	03.04.2023	10.06.2023	10 Weeks
	Summer Vacation	15.05.2023	27.05.2023	2 Weeks
3.	I Mid Examinations	`12.06.2023	17.06.2023	1 Week
4.	Submission of First Mid Term Exam Marks to the Autonomous Section on or before	23.06.2023		
5.	2nd Spell of Instructions	19.06.2023	12.08.2023	8 Weeks
6.	II Mid Term Examinations	14.08.2023	19.08.2023	1 Week
7.	Preparation & Practical Examinations	21.08.2023	26.08.2023	1 Week
8.	Submission of Second Mid Term Exam Marks to the Autonomous Section on or before	26.08.2023		
9.	II Semester End Examinations	28.08.2023	09.09.2023	2 Weeks
Commencement of Class Work for II B.Tech I Semester – 11.09.2023				

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CONTROLLER OF EXAMINATIONS
CE
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Copy to All the Heads of the Depts. & AO:

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Class: CSE-A **Semester: I** **W.E.F-14-11-2022** **LH:-D-107**

	I 9:40-10:30	II 10:30 - 11:20	III 11:20-12:10	12:10-12.45	IV 12.45-1.35	V 1.35-2.25	VI 2.25-3.15	VII 3.15-4.00
MON	PPS LAB			LUNCH	BEE	EC	PPS	PPS(T)/EC(T)
TUE	BEE	PPS	M&C		BEE/EC LAB			M&C(T)/BEE(T)
WED	EG PRACTICE				BEE	M&C	ECSE	LIB
THU	PPS	EC	BEE		PPS	M&C	BEE	EC(T)/PPS(T)
FRI	ECSE	EC	M&C		EG PRACTICE			BEE(T)/M&C(T)
SAT	BEE/EC LAB				PPS	EC	M&C	EG(T)

Course Code	Course Name	Name of the Faculty	Course Code	Course Name	Name of the Faculty
MA101BS	Matrices and Calculus	B.RAMADEVI	ME101ES	Computer Aided Engineering Graphics	M.YADAGIRI
CH103BS	Engineering Chemistry	Dr.D.PREMALATHA	CH106BS	Engineering Chemistry Lab	O.SUBHASHINI/ Dr.D.PREMALATHA
CS103ES	Programming for Problem Solving	D.SWAPNA	CS107ES	Programming for Problem Solving Lab	D.SWAPNA/B.RAJASHWARI
EE101ES	Basic Electrical Engineering	K.RAJASHEKAR	EE102ES	Basic Electrical Engineering Lab	K.RAJASHEKAR/ MP.REENA
CS106ES	Elements of Computer Science & Engineering	J.PUJITHA			

Class In-Charge **Time Table Coordinator** **Head of The Department**

Sri Indu Institute of Engineering & Technology SHERIGUDA 501 510

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Computer Aided Engineering Graphics: Lesson Plan

L/H	Topic	TA/TM	Reference book
1	Introduction to Engineering Graphics	Lecture Method	T-1, R-1
2	Principles of Engineering Graphics and their Significance	Lecture Method	T-1, R-1
3	Scales – Plain	Lecture Method	T-1, R-1
4.	& Diagonal	Lecture Method	T-1, R-1
5.	Conic Sections- Ellipse methods	Lecture Method	T-1, R-1
6	Conic Sections- Parabola Methods	Lecture Method	T-1, R-1
7	Conic Sections – Hyperbola General Method	Lecture Method	T-1, R-1
8	Construction of Cycloid,	Lecture Method	T-1, R-1
9	Construction of Epicycloid	Lecture	T-1, R-1
10	Construction of Hypocycloid	Lecture Method,	T-1, R-1
11	Introduction to Computer aided drafting views, commands	Lecture Method,	T-1, R-1
12	and conics Orthographic Projections Principles of Orthographic Projections	Lecture Method	T-1, R-1
13	Introduction to Projections	Lecture Method	T-1, R-1
14	Conventions Projections of Points	Lecture Method	T-1, R-1
15	Projections of Lines	Lecture Method,	T-1, R-1
16	Projections of Plane regular geometric	Lecture Method	T-1, R-1
17	figures Auxiliary Planes	Lecture Method	T-1, R-1
18	Computer aided orthographic projections – points, lines and planes	Lecture Method	T-1, R-1
19	Introduction to Projections of Solids	Lecture Method	T-1, R-1
20	Projections of Regular Solids Auxiliary Views	Lecture Method	T-1, R-1
21	Sectional views of Right Regular Solids – Prism: triangular,square	Lecture Method	T-1, R-1
22	Prism:pentagonal,hexagonal	Lecture Method	T-1, R-1
23	Pyramid: triangular,square	Lecture Method	T-1, R-1
24	Pyramid: pentagonal,hexagonal	Lecture Method	T-1, R-1
25	Solid of revolution:Cylinder and	Lecture Method	T-1, R-1
26	Solid of revolution: Cone – Auxiliary views	Lecture Method	T-1, R-1
27	Computer aided projections of solids	Lecture Method	T-1, R-1
28	Sectional Views	Lecture Method	T-1, R-1
29	Introduction of Development of Surfaces	Lecture Method	T-1, R-1
30	Development of Surfaces of Right Regular Solids	Lecture Method	T-1, R-1
31	Prism	Lecture Method	T-1, R-1
32	Cylinder	Lecture Method	T-1, R-1

33	Pyramid	Lecture Method	T-1, R-1
34	Cone	Lecture	T-1, R-1
35	Intersection of solid	Lecture Method	T-1, R-1
36	Intersection of prism vs prism	Lecture Method	T-1, R-1
37	Cylinder vs Cylinder	Lecture Method	T-1, R-1
38	Development of surfaces using computer aided drafting	Lecture Method	T-1, R-1
39	Introduction of Isometric Projections	Lecture Method	T-1, R-1
40	Principles of Isometric Projection	Lecture Method	T-1, R-1
41	Isometric Scale	Lecture Method	T-1, R-1
42	Isometric Views	Lecture Method	T-1, R-1
43	Isometric Scale, Isometric Views Conventions	Lecture Method	T-1, R-1
44	Isometric Views of Lines, Plane Figures	Lecture Method	T-1, R-1
45	Simple and Compound Solids	Lecture Method	T-1, R-1
46	Isometric Projection of objects having non- isometric lines	Lecture Method	T-1, R-1
47	Isometric Projection of Spherical Parts.	Lecture Method	T-1, R-1
48	Conversion of Isometric Views to Orthographic Views	Lecture Method	T-1, R-1
49	Vice-versa –Conventions	Lecture Method	T-1, R-1
50	Conversion of orthographic projection into isometric view using computer aided drafting	Lecture Method	T-1, R-1
51	Practice sessions	Video Lecture Method	V-1
52	Practice sessions	Video Lecture Method	V-2
53	Practice sessions	Video Lecture Method	V-3
54	Practice sessions	Video Lecture Method	V-4
55	Practice sessions	Video Lecture Method	V-5
56	Practice sessions	REVISION	W-1,2,3
57	Practice sessions	REVISION	W- 4,5

TEXTBOOKS :

T-1 Engineering Drawing N.D. Bhatt / Charotar
T-2 Engineering Drawing and graphics Using AutoCAD Third Edition, T. Jeyapoovan, Vikas: S. Chand and company Ltd.

REFERENCES :

R-1 Engineering Drawing, Basant Agrawal and C M Agrawal, Third Edition McGraw Hill
R-2 Engineering Graphics and Design, WILEY, Edition 2020
R-3 Engineering Drawing, M. B. Shah, B.C. Rane / Pearson.
R-4 Engineering Drawing, N. S. Parthasarathy and Vela Murali, Oxford
R-5 Computer Aided Engineering Drawing – K Balaveera Reddy et al – CBS Publishers

WEB REFERENCES :

1) https://books.google.co.in/books?id=dgsbEAAAQBAJ&lpg=PP2&pg=PA22#v=onepage&q&f=true
2) https://www.academia.edu/33675384/Introduction_to_AutoCAD_2004_pdf
3) https://nptel.ac.in/courses/112103019
4) https://www.academia.edu/83299582/Textbook_of_Engineering_Drawing

VIDEO REFERENCES :

1) http://www.digimat.in/nptel/courses/video/105104148/L01.html
1) https://archive.nptel.ac.in/courses/112/102/112102304/#)
2) https://archive.nptel.ac.in/courses/112/105/112105294/
3) http://www.nptelvideos.com/lecture.php?id=14722
4) https://www.youtube.com/@BSAUNIV

GAP WITHIN THE SYLLABUS – MAPPING TO CO, PO

Vernier Scale, Comparative Scales, Scale of Chords, Involutes, Spirals, Helix, Development of oblique objects

Course Outcomes

After completing this topic the student will be able to:

1. Draw Vernier Scale, Comparative Scale and Scale of Chords. (Applying)
2. Draw Involutes, Spirals and Helix Curves (Applying)
3. Develop oblique surfaces using Development of surface Method (Applying)

Mapping of course outcomes with program outcomes:

High -3 Medium -2 Low-1

PO/CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	2		-	-	-	-	-	3	-	2	-	-
2	3		-	-	-	-	-	2	-	2	-	-
3	2		-	-	-	-	-	2	-	3	-	-

GAP BEYOND THE SYLLABUS-MAPPING TO PO/PSO

1. Regular industrial visits help students to know the information useful for knowledge upgradation.
2. Students are encouraged to take part in Technical Quizzes and various co-curricular activities to ensure their overall development
3. Teaching at least a few portions giving practical demonstration to create interest among the students
4. Introducing current Scientific and Technological innovations and development
5. Computer aided learning tools are also used for better visual display for the Mathematics

Mapping to PO/PSO:

High -3 Medium -2 Low-1

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	-	-	-	2	-	-	-	-	-	-	-	2
2	-	-	-	-	-	-	-	-	-	2	-	-
3	-	-	-	-	-	-	-	-	-	-	3	-
4	-	-	-	-	-	-	-	-	1	-	-	-
5	-	-	-	-	2	-	-	-	-	-	-	-

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Khalsa Ibrahimpatnam, Sheriguda(V), Ibrahimpatnam(M), Ranga Reddy Dist., Telangana

CAEG LECTURE NOTES

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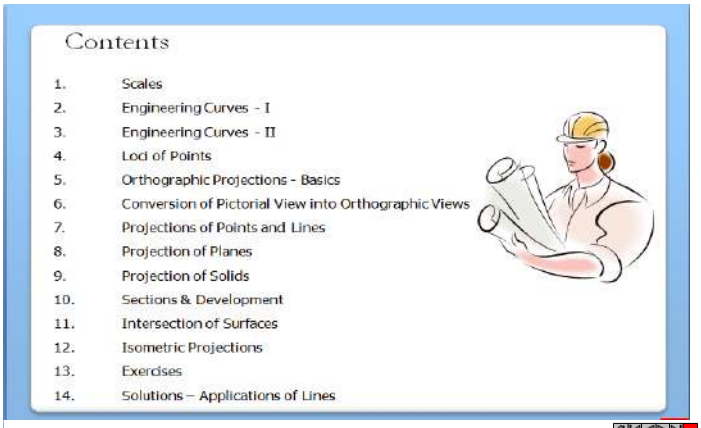
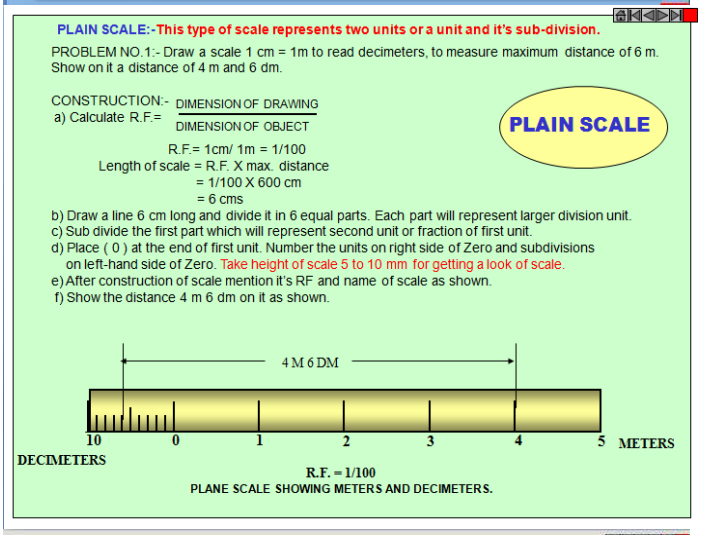
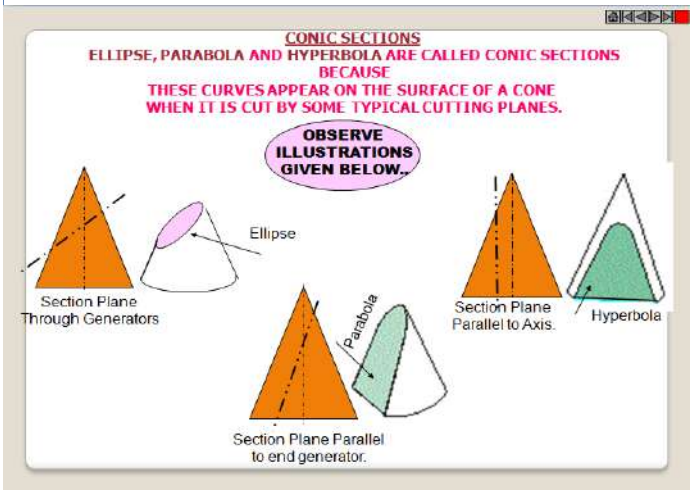
POWERPOINT PRESENTATION







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SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY

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Khalsa Ibrahimpatnam, Sheriguda(V), Ibrahimpatnam(M), Ranga Reddy Dist., Telangana – 501510

PREVIOUS QUESTION PAPERS

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Sheriguda(V), Ibrahimpatnam(M), R.R Dist., Telangana – 501 510

X3

I B.Tech I - Mid Examinations, Dec-2022/Jan-2023

BR22

Set – I

Branch: CSE-A, B&C Date: 04-01-2023 (FN)

Subject: Computer Aided Engineering Graphics Marks: 30 Time: 2 Hrs

Answer any **THREE** Questions. All Question Carry Equal Marks 3*10=30 Marks

1. If 1 cm long line on a map represents a real length of 4 m. Calculate the R.F. and draw a diagonal scale long enough to measure up to 50 metres. Show a distance of 44.5 m on it.

Understanding(L2)

2. The conjugate diameters of an ellipse are 120 mm and 80 mm. The included angle between them is 75^0. Draw an ellipse by parallelogram method.

Understanding(L2)

3. Draw the projections of the following points on the same ground line, keeping the projectors 25 mm apart. **Analyzing(L4)**

(a) in the H.P. and 20 mm behind the V.P.

(b) 40 mm above the H.P. and 25 mm in front of the V.P.

(c) in the V.P. and 40 mm above the H.P.

(d) 25 mm below the H.P. and 25 mm behind the V.P.

(e) 15 mm above the H.P. and 50 mm behind the V.P.

4. A hexagonal plane of side 30 mm has an edge on the H.P. Its surface is inclined at 45° to the H.P. and the edge on which the plane rests is inclined at 30° to the V.P. Draw its projections.

Applying (L3)

5. A pentagonal prism of base side 30 mm and height 60 mm rests on one of its base side on the H.P. inclined at 30° to the V.P. Its axis is inclined at 45° to the H.P. Draw its projections.

Creating (L6)

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Sheriguda(V), Ibrahimpatnam(M), R.R Dist., Telangana – 501 510

X3

I B.Tech II - Mid Examinations, March-2023

BR22

Set – I

Branch: CSE Date: 10-03-2023 (FN)

Subject: Computer Aided Engineering Graphics Marks: 20 Time: 2 Hrs

PART-B

Answer any **FOUR** Questions. All Question Carry Equal Marks 4*5=20 Marks

1. Pentagonal prism is resting on one of the corners of its base on the H.P. The longer edge containing that corner is inclined at 45° to the H.P. The axis of the prism makes an angle of 30° to the V.P. Draw the projections of the solid.

   Analyzing(L4)

2. A cylinder of diameter 50 mm and height 75 mm is resting on the ground on its flat end. It is cut by a sectional plane inclined at 30^0 to the axis of the cylinder and passing through a point on the axis at height of 50 mm from the base. Draw the lateral surface of the bottom part.

   Analyzing(L4)

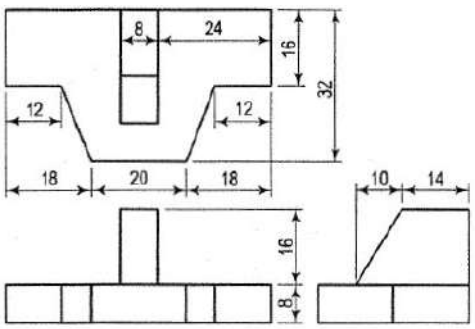
3. A cone of base diameter 50 mm and axis 60 mm is resting on its base on the H.P. A section plane perpendicular to V.P. and inclined at 45° to H.P., bisects the axis of the cone. Draw the development of its lateral surface.

   Analyzing(L4)

4. A cone of base diameter 50 mm and axis 60 mm is resting on its base on the H.P. Draw the development of its lateral surface when it is cut by an auxiliary inclined plane inclined at 60° to the H.P. and bisecting the axis. **Applying (L3)**

5. Draw the isometric view of the object whose front view and top view are as shown in Figure. (All dimensions are in mm). **Creating (L6)**

6. Draw the isometric projection of a cone of base diameter 50 mm and axis 60 mm. The cone has its base on the H.P. **Applying (L3)**



MID I & MID-II KEY link

https://drive.google.com/file/d/1uzvSOQEwSQUzylbPL6NrVfcGDz-rptSz/view?usp=sharing

MID-I & MID-II SAMPLE STUDENT SCRIPTS Link

https://drive.google.com/file/d/1EpC4_E7AUq03wmkYEEGzf9JAf2-r-5Sn/view?usp=drive_link
https://drive.google.com/file/d/187P_BQZggW99gk_Kd-CY5eR2IvL08rHP/view?usp=sharing

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Khalsa Ibrahimpatnam, Sheriguda(V), Ibrahimpatnam(M), Ranga Reddy Dist., Telangana – 501510

I-MID CAEG ASSIGNMENT

1. Construct a scale of 1:40 to read metres and decimetres and long enough to measure up to 6 metres. Mark a distance of 4.7 m on it. **Understanding(L2**)

2. Construct a scale of 1:50 to read metres, decimetres and centimetres and long enough to measure up to 5 m. Mark a distance of 2.56 m on it. **Understanding(L2**)

3. Draw an ellipse when the distance of its focus from its directrix is 50 mm and eccentricity is 2/3. Also, draw a tangent and a normal to the ellipse at a point 70 mm away from the directrix **Creating(L6)**

4. A point moves in a plane in such a way that the sum of its distances from two fixed points 100 mm apart is 130 mm. Name and draw the locus of this point. **Understanding(L2**)

5. Draw a parabola when the distance between its focus and directrix is 50 mm. Also, draw a tangent and a normal at a point 70 mm from the directrix. **Creating(L6)**

6. Draw a hyperbola when the distance of its focus from its directrix is 50 mm and eccentricity is 3/2. Also, draw a tangent and a normal to the hyperbola at a point 25 mm from the directrix. **Creating(L6)**

7. Draw a cycloid of a circle of diameter 50 mm for one revolution. Also, draw a tangent and a normal to the curve at a point 35 mm above the base line. **Applying (L6)**

8. Draw the projections of the following points on a common reference line keeping the distance between their projectors 30 mm apart. **Understanding (L2**)
   (a) Point A is 20 mm below the H.P. and 50 mm in front of the V.P.
   (b) Point B is in the H.P. and 40 mm behind the V.P.
   (c) Point C is 30 mm in front of the V.P. and in the H.P.
   (d) Point D is 50 mm above the H.P. and 30 mm behind the V.P.
   (e) Point E is 20 mm below the H.P. and 50 mm behind the V.P.
   (f) Point F is in the V.P. and 50 mm below the H.P.

9. 70 mm long line PQ, has its end P 20 mm above the H.P. and 30 mm in front of the V.P. The line is inclined at 45° to the H.P. and 30° to the V.P. Draw its projections. **Understanding (L2**)

10. A rectangular plane of edges 35 mm and 70 mm is resting on an edge in the H.P. The surface is inclined to the H.P. such that the top view appears as a square. Draw its projections when the edge resting on the H.P. is inclined at 30° to the V.P. **Creating (L6)**

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II-MID CAEG ASSIGNMENT

1. Draw the projections of a cube of edge 40 mm resting on one of its corners on the H.P. with a solid diagonal perpendicular to the V.P. **Applying (L6)**

2. A pentagonal pyramid of base side 30 mm and axis 60 mm rests on a corner of its base on the H.P. such that its apex is 55 mm above the ground. A vertical plane containing thecorner of the base that lies on the H.P. and the axis is inclined at 30° to the V.P. Draw its projections. **Applying (L6)**

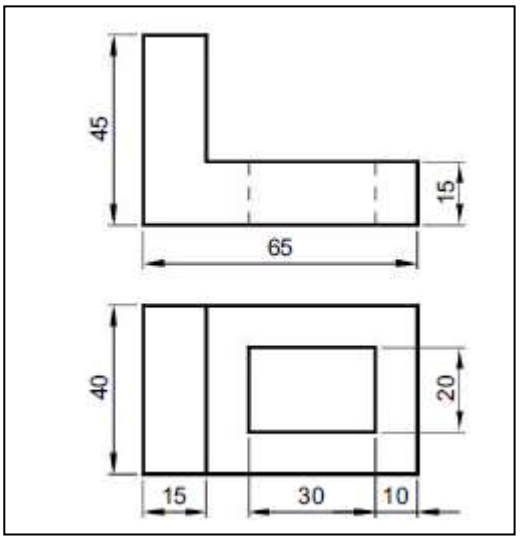
3. A hexagonal pyramid of base side 30 mm and axis 60 mm, has an edge of its base on the ground inclined at 45° to the V.P. and the axis is inclined at 30° to the H.P. Draw its projections. **Applying (L6)**

4. A pentagonal prism of base side 30 mm and height 60 mm rests on one of its base side on the H.P. inclined at 30° to the V.P. Its axis is inclined at 45° to the H.P. Draw its projections. **Applying (L6)**

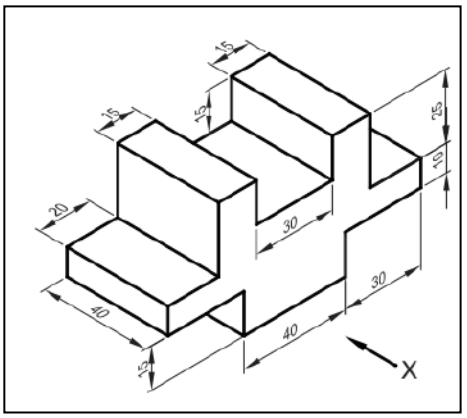
5. A pentagonal prism of base side 30 mm and axis 70 mm is resting on its base on the H.P. with a rectangular face parallel to the V.P. It is cut by an auxiliary inclined plane (A.I.P.) whose V.T. is inclined at 45° to the reference line and passes through the mid-point of the axis. Draw the development of the lateral surface of the truncated prism. **Creating(L6)**

6. A cone of base diameter 50 mm and axis 60 mm is resting on its base on the H.P. A section plane perpendicular to V.P. and inclined at 45° to H.P., bisects the axis of the cone. Draw the development of its lateral surface. **Creating(L6)**

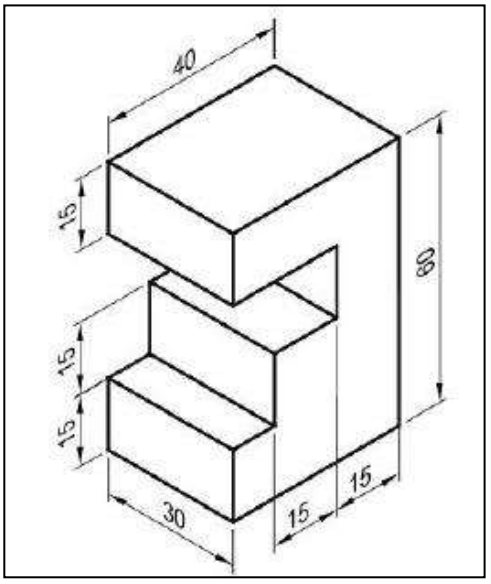
7. Draw the isometric view of the machine parts shown in figure (All dimensions are in mm). **Applying (L6)**



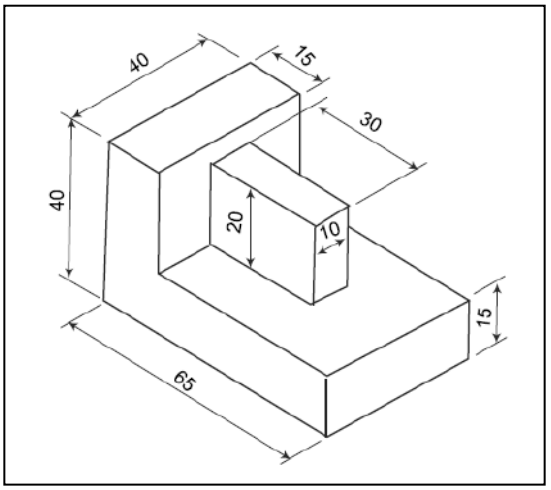
8. Draw the front view, top view and left side view of the following object shown in figure below. (All dimensions in the figure are in mm). **Applying (L6)**



9. Pictorial view of an object is shown in Fig.(a). Using first angle projection, draw Its.
(i) front view, **Applying (L6)**
(ii) top view and
(iii) side view.



10. Draw the following views for the object shown in figure. All dimensions are in mm.
(a) Front view **Applying (L6)**
(b) Top view
(c) Left side view



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I-MID & II-MID CAEG ASSIGNMENT PROOFS

MID-I & MID-II link

https://drive.google.com/file/d/196EjspV-XEYEQasT4lJUDn_NRmCoUdjc/view?usp=sharing

https://drive.google.com/file/d/1VVzhAhcHczyCtzUtyfH6_gfKDQasQXcd/view?usp=sharing

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SCHEME OF EVALUATION WITH CO and BTL MAPPING

SCHEME OF EVALUATION-CAEG(MID-I)(Set-I)

Instructions:

a) Any answer by alternate method should be valued and suitably awarded.

b) All answers (including extra, stuck off and repeated) should be valued. Answers with maximum marks must be considered.

Qn No	Description of Answer	Marks
1.	Finding length of scale	1
	Drawing of scale	3
	Showing units	1
2.	Drawing of rectangle	1
	Drawing of Ellipse	2
	Showing points	2
3.	Drawing of circle	2
	Showing complete Cycloidal curve	3
4.	Projection of points complete answer	5
5.	Projection of straight line answer in VP	2.5
	Projection of straight line answer in HP	2.5
6.	Projection of solid stage 1	1.5
	Projection of solid stage 2	1.5
	Projection of solid stage 3	2
	TOTAL	**20**

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SCHEME OF EVALUATION-CAEG(MID-II)(Set-2)

Instructions:

a) Any answer by alternate method should be valued and suitably awarded.
b) All answers (including extra, stuck off and repeated) should be valued. Answers with maximum marks must be considered.

Qn No	Description of Answer	Marks
1	Projection of solid stage 1	1.5
	Projection of solid stage 2	1.5
	Projection of solid stage 3	2
2.	Cone front view and top view	2.5
	Development of surface of cone	2.5
3.	Cone front view and top view	2.5
	Development of surface of cone	2.5
4	Development cylinder front view and top view	2.5
5.	Development of cylinder	2.5
6.	Drawing of Isometric view	5
	TOTAL	**20**

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Result Analysis: CSE-A

Course Title	COMPUTER AIDED ENGINEERING GRAPHICS
Course Code	**ME101ES**
Programme	B.Tech
Year & Semester	I year I- semester
Regulation	BR22
Course Faculty	M Yadhagiri, Assistant Professor , H&S

Weak Students:

S No	Roll no	Intermediate Marks	Internal-I Status (35)	Internal-II Status (40)
1	22X31A0501	57%	17	22
2	22X31A0503	55%	22	22
3	22X31A0507	60%	32	25
4	22X31A0519	57%	18	20
5	22X31A0527	69%	5	22
6	22X31A0537	67%	5	27
7	22X31A0546	50%	22	5
8	22X31A0557	70%	15	23

Advanced learners:

S No	Roll No	Intermediate Marks	Gate Material
1	22X31A0502	93%	**Topics:** Engineering Drawing, Scales, Conic Sections, Engineering Curves, Projections, Projection of Points, Lines and Planes, Projection of Solids, Development and Intersection of Solids, General Principles of Design, Safety, Work Study and Ergonomics, Fire Safety, Safety In Industries
2	22X31A0504	96%	
3	22X31A0523	97%	
4	22X31A0530	96%	
5	22X31A0531	97%	
6	22X31A0535	95%	
7	22X31A0547	94%	

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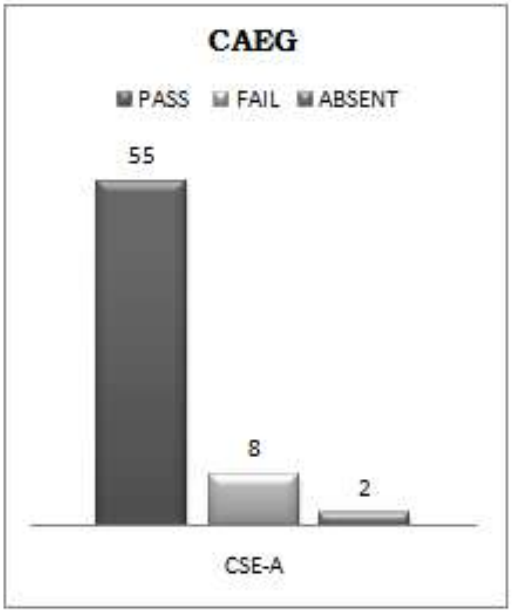
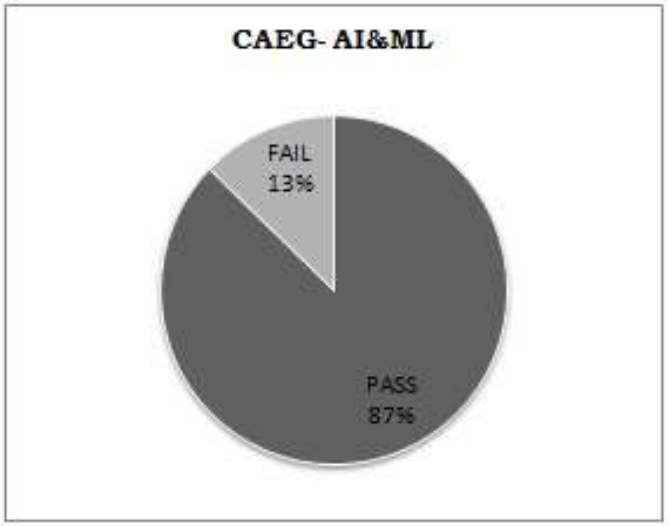
RESULT ANALYSIS AT THE END OF SEMISTER

Branch : CSE-A **Subject: Computer Aided Engineering Graphics**





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DEPARTMENT OF HUMANITIES AND SCIENCE

REMEDIAL CLASSES TIME TABLE

DAY/ PERIOD	MON 4.00-5.00	TUE 4.00-5.00	WED 4.00-5.00	THUR 4.00-5.00	FRI 4.00-5.00	SAT 4.00-5.00
CSE-A	M&C	PPS	BEE	CAEG	EC	M&C
CSE-B	BEE	M&C	CAEG	PPS	EC	BEE
CSE-C	EC	CAEG	BEE	M&C	PPS	EC

DAY/ PERIOD	MON 4.00-5.00	TUE 4.00-5.00	WED 4.00-5.00	THUR 4.00-5.00	FRI 4.00-5.00	SAT 4.00-5.00
DS	M&C	EC	BEE	PPS	CAEG	EC
CYBER	PPS	M&C	EC	CAEG	BEE	M&C

DAY/ PERIOD	MON 4.00-5.00	TUE 4.00-5.00	WED 4.00-5.00	THUR 4.00-5.00	FRI 4.00-5.00	SAT 4.00-5.00
AIML-A	AP	PPS	M&C	CAEG	AP	M&C
AIML-B	M&C	CAEG	PPS	AP	M&C	CAEG

DAY/ PERIOD	MON 4.00-5.00	TUE 4.00-5.00	WED 4.00-5.00	THUR 4.00-5.00	FRI 4.00-5.00	SAT 4.00-5.00
AI&DS	M&C	ENG	AP	PPS	AP	PPS
IOT	PPS	AP	M&C	CAEG	M&C	CAEG

DAY/ PERIOD	MON 4.00-5.00	TUE 4.00-5.00	WED 4.00-5.00	THUR 4.00-5.00	FRI 4.00-5.00	SAT 4.00-5.00
ECE	AP	ENG	M&C	PPS	AP	PPS
CIVIL	CAEG	AP	M&C	PPS	M&C	CAEG

Head of the Department
Department of H&S
SRI INDU INSTITUTE OF ENGG & TECH
Sheriguda(V) Ibrahimpatnam (M) R.R. Dist-501 510

PRINCIPAL
Sri Indu Institute of Engineering & Tech
Sheriguda(Vill), Ibrahimpatnam
R.R. Dist. Telangana-501 510.

SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Humanities & Sciences

Course Outcome Attainment (Internal Examination-2)

Name of the fa	M YADHAGIRI	Academic Year:	2022-2023
Branch & Secti	CSE-A	Examination:	I Internal
Course Name:	CAEG	Year: I	Semester I

S.N	HT No.	Q1a	Q1b	Q1c	Q2a	Q2b	Q2c	Q3a	Q3b	Q3c	Q4a	Q4b	Q4c	Q5a	Q5b	Q5c	Q6a	Q6b	Q6c	Sheets
Max. Marks ==>		**10**			**10**			**10**												**10**
1	22X31A0501	2			8			3												8
2	22X31A0502	10			10			2												9
3	22X31A0503	8			8			2												8
4	22X31A0504	8			8						7									8
5	22X31A0505	9			8						10									9
6	22X31A0506	10			9						8									9
7	22X31A0507	9			9			8												9
8	22X31A0508	10			9			0			10									10
9	22X31A0509	9			8			8												8
10	22X31A0510	###			8			7												9
11	22X31A0511	4			7						8									8
12	22X31A0512	10			9						7									9
13	22X31A0513	3			9															7
14	22X31A0514																			0
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16	22X31A0516	2			9			4												7
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31	22X31A0531	10			10						10									10
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36	22X31A0536	10			10						9									10
37	22X31A0537																			A
38	22X31A0538	9									8									8
39	22X31A0539				5			5												9
40	22X31A0540	8			8															8
41	22X31A0541	10			10						10									10
42	22X31A0542	9			9						8									9
43	22X31A0543	4						7			3									8

44	22X31A0544	10						9			10									10
45	22X31A0545	10						10			10									10
46	22X31A0546	8			9			5												8
47	22X31A0547	10						9			10									10
48	22X31A0548	4																		9
49	22X31A0549	9						9			9									10
50	22X31A0550	9			9						9									10
51	22X31A0551	10			10						9									10
52	22X31A0552	7			8						9									8
53	22X31A0553	9			10			9												10
54	22X31A0554	9						8			8									10
55	22X31A0555	10			10			8												10
56	22X31A0556				4			4			2									9
57	22X31A0557				4			3			3									9
58	22X31A0558	10						9			10									10
59	22X31A0559	10			9						9									10
60	22X31A0560				7			6			8									8
61	22X31A0561	8						6			8									10
62	22X31A0562				10			9			10									10
63	22X31A0563	9			10						10									10
64	22X31A0564	3			8						8									8
65	22X31A0565				8						8									7
Target set by the faculty / HoD		6.00	0.00	0.00	6.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00
Number of students performed above		37	0	0	44	0	0	19	0	0	44	0	0	0	0	0	0	0	0	61
Number of students attempted		49	0	0	50	0	0	33	0	0	44	0	0	0	0	0	0	0	0	65
Percentage of students scored more than target		76%			88%			58%			###									94%

CO Mapping with Exam Questions:

CO - 1	**Y**			**Y**															**Y**
CO - 2							**Y**			**Y**						**y**			**Y**
CO - 3													y						y
CO - 4																			
CO - 5																			
CO - 6																			

Scored >Target	76%			88%			58%			###									94 %

CO Attainment based on Exam Questions:

CO - 1	76%			88%															94%
CO - 2							58%			58%						58%			94%
CO - 3													58%						94%
CO - 4																			
CO - 5																			
CO - 6																			

CO	**Subj**	obj		Asgn	Overall	Level
CO-1	82%	91%			86%	3.00
CO-2	58%	67%			62%	3.00
CO-3	58%	76%			67%	3.00
CO-4						
CO-5						
CO-6						

ainment L	
1	40%
2	50%
3	60%

Attainment (Internal 1 Examination) **3.00**

SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Humanities & Sciences

Course Outcome Attainment (Internal Examination-2)

Name of the fa	M YADHAGIRI	Academic Year:	2022-2023
Branch & Secti	CSE-A	Examination:	II Internal
Course Name:	CAEG	Year: I	Semester I

S. No	HT No.	Q 1a	Q1b	Q1 c	Q2a	Q2 b	Q2 c	Q 3 a	Q 3 b	Q 3 c	Q 4 a	Q 4 b	Q 4c	Q 5a	Q 5 b	Q 5 c	Q 6 a	Q 6 b	Q6 c	Sheets	A2	viva/ ppt
Max. Marks ==>		**5**			**5**			**5**			**5**			**5**			**5**			**10**		
1	22X31A0501	5			4									3			5			5		
2	22X31A0502				4			2			5						4			5		
3	22X31A0503				4			4			3						4			5		
4	22X31A0504	5			5									5			5			10		
5	22X31A0505	5			5						4						5			10		
6	22X31A0506				4			5			3						4			10		
7	22X31A0507	3			5			5									2			10		
8	22X31A0508	5			5			5									5			10		
9	22X31A0509				5			4									5			6		
10	22X31A0510				5			5						5			5			10		
11	22X31A0511	3			4			4									4			10		
12	22X31A0512				1			5			4						4			10		
13	22X31A0513				5			5			4						4			10		
14	22X31A0514																			0		
15	22X31A0515	3			5			4									3			8		
16	22X31A0516	5			5			5									5			10		
17	22X31A0517	3			5			5			5									8		
18	22X31A0518	1			3			3						1						5		
19	22X31A0519							5						5						5		
20	22X31A0520	1			4			5									5			6		
21	22X31A0521	4			2			4									4			6		
22	22X31A0522							3						1			5			10		
23	22X31A0523	4						5						1			4			6		
24	22X31A0524				2			2						1			3			8		
25	22X31A0525							2			2			5						10		
26	22X31A0526				4			4						2						5		
27	22X31A0527				3			4						1			5			9		
28	22X31A0528				5			5			5						5			10		
29	22X31A0529	5			5			5			5									10		
30	22X31A0530	5			5			5									5			10		
31	22X31A0531	4			5			4									5			10		
32	22X31A0532																			A		
33	22X31A0533	5			5			5									4			10		
34	22X31A0534				2			5			4						1			7		
35	22X31A0535													1						9		
36	22X31A0536				4			4			3						4			7		
37	22X31A0537				5			4			4						5			7		
38	22X31A0538				3			1												9		
39	22X31A0539				4						3			1						8		
40	22X31A0540	5			4			4									4			9		
41	22X31A0541				4			5			5						4			9		
42	22X31A0542				5			5			5			5						10		

43	22X31A0543	3			2			3											7		
44	22X31A0544	1			5			5									3		10		
45	22X31A0545				5			5					5			5			10		
46	22X31A0546																		A		
47	22X31A0547				5			5			5					5			10		
48	22X31A0548				2						1								10		
49	22X31A0549	5			5			5								5			10		
50	22X31A0550	4			4			3								4			8		
51	22X31A0551	5			5			5								1			10		
52	22X31A0552	5			5			4			4								9		
53	22X31A0553	5			5			5			5								10		
54	22X31A0554	5			5			5								5			9		
55	22X31A0555	4			4			5			1								7		
56	22X31A0556				4			3			2								5		
57	22X31A0557	5						4			1					5			5		
58	22X31A0558	5			5			5								4			10		
59	22X31A0559	5			4			5			4								9		
60	22X31A0560	2			5						4					4			9		
61	22X31A0561				5			5								3			9		
62	22X31A0562	5			5			5								5			10		
63	22X31A0563	5			5			4			5								10		
64	22X31A0564	4			3											1			10		
65	22X31A0565	4			3			3								4			5		

Target set by the faculty / HoD	3.00	0.00	0.00	3.00	0.00	0.00	3.00	0.00	0.00	3.00	0.00	0.00	3.00	###	0.00	3.00	0.00	0.00	6.00	3.00	3.00
Number of students performed above the target	18	23	0	37	0	0	38	0	0	26	0	0	1	0	0	15	0	0	45	50	50
Number of students attempted	38	23	0	46	0	0	43	0	0	36	0	0	2	0	0	19	0	0	48	50	50
Percentage of students scored more than target	47%	100%		80%			88%			72%			50%			79%			94%	100%	100%

CO Mapping with Exam Questions:

CO - 1																				
CO - 2																				
CO - 3	**Y**																		Y	**Y**
CO - 4							**Y**												Y	
CO - 5										**Y**			**y**						Y	
CO - 6				**Y**												**y**			Y	

% Students Scored >Target %	63%			98%			95%			85%			80%			71%			100%	63%

CO Attainment based on Exam Questions:

CO - 1	63%																		100%	63%
CO - 2							63%												100%	
CO - 3										63%			63%						100%	
CO - 4				63%												63%			100%	
CO - 5	63%																		100%	63%
CO - 6							63%												100%	

CO	Subj	obj	aasgn	ppt	Overall	Level
CO-1						
CO-2						
CO-3	63%	100%	100%	100%	91%	3
CO-4	63%	100%	100%	100%	91%	3.00
CO-5	63%	100%	100%	100%	91%	3.00
CO-6	63%	100%	100%		88%	3.00

Attainment (Internal Examination-2) **3.00**

Attainment Level	
1	40%
2	50%
3	60%

SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Humanities & Sciences

Course Outcome Attainment (University Examinations)

Name of the faculty	M YADHAGIRI	Academic Year:	2022-2023
Branch & Section:	CSE-A	Year / Semester:	I / I
Course Name:	CAEG		

S.No	Roll Number	Marks Secured	S.No	Roll Number	Marks Secured
1	22X31A0501	33	36	22X31A0536	34
2	22X31A0502	43	37	22X31A0537	29
3	22X31A0503	30	38	22X31A0538	28
4	22X31A0504	35	39	22X31A0539	21
5	22X31A0505	31	40	22X31A0540	32
6	22X31A0506	32	41	22X31A0541	39
7	22X31A0507	29	42	22X31A0542	33
8	22X31A0508	37	43	22X31A0543	17
9	22X31A0509	30	44	22X31A0544	26
10	22X31A0510	29	45	22X31A0545	34
11	22X31A0511	39	46	22X31A0546	19
12	22X31A0512	33	47	22X31A0547	39
13	22X31A0513	23	48	22X31A0548	5
14	22X31A0514	A	49	22X31A0549	49
15	22X31A0515	32	50	22X31A0550	46
16	22X31A0516	29	51	22X31A0551	22
17	22X31A0517	27	52	22X31A0552	28
18	22X31A0518	27	53	22X31A0553	36
19	22X31A0519	11	54	22X31A0554	31
20	22X31A0520	46	55	22X31A0555	29
21	22X31A0521	27	56	22X31A0556	22
22	22X31A0522	21	57	22X31A0557	21
23	22X31A0523	54	58	22X31A0558	44
24	22X31A0524	21	59	22X31A0559	38
25	22X31A0525	17	60	22X31A0560	24
26	22X31A0526	16	61	22X31A0561	35
27	22X31A0527	13	62	22X31A0562	42
28	22X31A0528	30	63	22X31A0563	41
29	22X31A0529	51	64	22X31A0564	21
30	22X31A0530	54	65	22X31A0565	21
31	22X31A0531	41	66		
32	22X31A0532	A	67		
33	22X31A0533	45	68		
34	22X31A0534	23	69		
35	22X31A0535	14	70		
Max Marks		60			

Class Average mark	34
Number of students performed above the target	26
Number of successful students	50
Percentage of students scored more than target	52%
Attainment level	**3**

Attainment Level	% students
1	40%
2	50%
3	60%

SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Humanities & Sciences

Course Outcome Attainment

Name of the facult	M YADHAGIRI	Academic Year:	2022-2023
Branch & Section:	CSE-A	Examination:	I Internal
Course Name:	CAEG	Year:	I
		Semester:	I

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam	University Exam	Attainment Level
CO1	3.00		3.00	2.00	2.30
CO2	3.00		3.00	2.00	2.30
CO3	3.00	3.00	3.00	2.00	2.30
CO4		3.00	3.00	2.00	2.30
CO5		3.00	3.00	2.00	2.30
CO6		3.00	3.00	2.00	2.30
Internal & University Attainment:			3.00	2.00	
Weightage			30%	70%	
CO Attainment for the course (Internal, University			0.90	1.40	
CO Attainment for the course (Direct Method)			2.30		

Overall course attainment level	**2.30**

SRI INDU INSTITUTE OF ENGINEERING & TECHNOLOG

Department of Humanities & Sciences

Program Outcome Attainment (from Course)

Name of Faculty:	M YADHAGIRI	Academic Year:	2022-2023
Branch & Section:	CSE-A	Year:	I
Course Name:	CAEG	Semester:	I

CO-PO mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	-	-	-	-	-	-	1	-	1	-	-		
CO2	3	-	-	-	-	-	-	1	-	1	-	-		
CO3	2	-	-	-	-	-	-	1	-	1	-	-		
CO4	2	-	-	-	-	-	-	1	-	2	-	-		
CO5	3	-	-	-	-	-	-	1	-	2	-	-		
CO6	3	-	-	-	-	-	-	1	-	2	-	-		
Course	**2.67**							**1.00**		**1.50**				

CO	**Course Outcome Attainment**
CO1	2.30
CO2	2.30
CO3	2.30
CO4	2.30
CO5	2.30
CO6	2.30
Overall course attainment level	**2.30**

PO-ATTAINMENT

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO Attainment	**2.67**							**1.00**		**1.50**		

CO contribution to PO - 33%, 67%, 100% (Level 1/2/3)

SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY

(UGC AUTONOMOUS INSTITUTION)

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(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)

Khalsa Ibrahimpatnam, Sheriguda(V), Ibrahimpatnam(M), Ranga Reddy Dist., Telangana – 501510

ATTENDANCE REGISTER

Link

https://drive.google.com/file/d/1UeZlg-NHfCdGLMCXctGoERjYoA9rQIQJ/view?usp=sharing