DEPARTMENT OF

HUMANITIES & BASIC SCIENCES

COURSE FILE

Branch: CSE **Class: B. Tech- I Year-I Sem**

Subject: COMPUTER AIDED ENGINEERING GRAPHICS **Code: R22MED1125**

Academic Year: 2022-2023 **Regulation: R20**

Core/Elective/H&S: H&S **Credits: 3**

Prepared By

Name: B.VINEETH, K.VIJAY KUMAR

Designation: Assistant Professor

Verified By:

Head of the Department:

Name:

Verified by IQAC Coordinator

Sri Indu College of Engineering & Technology

Sheriguda (V)/ R.R.Dist

INSTITUTION VISION

To be a premier Institution in Engineering & Technology and Management with competency/ values and social consciousness.

INSTITUTION MISSION

IM_1 Provide high quality academic programs/ training activities and research facilities.

IM_2 Promote continuous Industry-Institute interaction for employability/ Entrepreneurship/ leadership and research aptitude among stakeholders.

IM_3 Contribute to the economical and technological development of the region/ state and nation.

PRINCIPAL

DEPARTMENT VISION

To be a technologically adaptive centre for computing by grooming the students as top notch professionals.

DEPARTMENT MISSION

The Department has following Missions:

DM1: To offer quality education in computing.

DM2: To provide an environment that enables overall development of all the stakeholders

DM3: To impart training on emerging technologies

DM4: To encourage participation of stakeholders in Research and Development

Head of the Department

PROGRAM OUTCOMES (POs) & PROGRAM SPECIFIC OUTCOMES (PSOs)

	Description
PO 1	**Engineering Knowledge**: Apply the knowledge of mathematics/ science/ engineering fundamentals/ and an engineering specialization to the solution of complex engineering problems.
PO 2	**Problem Analysis:** Identify/ formulate/ review research literature/ and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics/ natural sciences/ and engineering sciences.
PO 3	**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.
PO 4	**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.
PO 5	**Modern tool usage:** Create/ select/ and apply appropriate techniques/ resources/ and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO 6	**The engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal/ health/ safety/ legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO 7	**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.
PO 8	**Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice
PO 9	**Individual and team work:** Function effectively as an individual/ and as a member or leader in diverse teams/ and in multidisciplinary settings.
PO 10	**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/ and give and rEEEive clear instructions.
PO 11	**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.
PO 12	**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
Program Specific Outcomes	
PSO	To apply the knowledge of Software Engineering, Data Communication, Web Technology and Operating Systems for building IOT and Cloud Computing applications.

1	
PSO 2	Design, develop and test software systems for worldwide network of computers to provide solutions to real world Problems.
PSO 3	Analyze and recommend the appropriate IT infrastructure required for the implementation of a project.

Head of the Department

Program Educational Objectives (PEOs)

Program: B. Tech –Computer Science and Engineering

PEO 1: **Higher Degrees & Professional Employment:** Graduates with ability to pursue career in core industries or higher studies in reputed institution.

PEO 2: **Domain Knowledge:** Graduates with ability to apply professional knowledge/skills to design and develop product or process.

PEO 3: **Engineering Career:** Graduates with excellence in Electronics and Communication Engineering along with effective inter-personnel skills.

PEO 4: **Lifelong Learning:** Graduates equipped with skills in rEEEnt technologies and be rEEEptive to attain professional competence through life-long learning.

Head of the Department

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution under UGC, New Delhi)

B.Tech. - I Year – I Semester

L	T	P	C
1	0	4	3

(R22MED1125) COMPUTER AIDED ENGINEERING GRAPHICS

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 ofengineering 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 usingcomputer aided drafting

UNIT – I:

Introduction to Engineering Graphics: Principles of Engineering Graphics and their Significance, Scales – Vernier, Plain & Diagonal, Conic Sections including the Rectangular Hyperbola – General method only. Cycloid, Epicycloid, Hypocycloid and Involute, 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 –Sections or Sectional views of Right Regular Solids – Prism, Cylinder, Pyramid, Cone – Computer aided projections of solids – sectional views

UNIT – IV:

Development of Surfaces of Right Regular Solids – Prism, Cylinder, Pyramid and Cone, Developmentof 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

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.

COs Mapping with POs & PSOs

SUB Name: Engineering Graphics (C115)

SUB CODE: R2MED1125

Course out comes (COs):

Course outcomes	Statements
C115.1	Acquire requisite basic knowledge, techniques for the study of engineering graphics.
C115.2	Comprehend the basics of orthographic projections and deduce orthographic projections of a points, lines and planes at different orientations.
C115.3	Imagine orthographic views of various solid objects at different orientations .
C115.4	Understanding the meaning of sectioning and to analyze the internal details of solids.
C115.5	Develop the surfaces of right regular solids.
C115.6	Recognize the significance of isometric views to relate 2D with 3D and to create 2D sketches by Auto CAD package.

Course Articulation Matrix:

CO	Program Outcomes												Program Specific Outcomes		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C115.1	3	2	3	-	3	-	-	-	-	-	-	3	3	3	2
C115.2	3	2	3	-	3	-	-	-	-	-	-	3	3	3	2
C115.3	3	2	3	-	3	-	-	-	-	-	-	3	3	3	2
C115.4	3	2	3	-	3	-	-	-	-	-	-	3	3	3	2
C115.5	3	2	3	-	3	-	-	-	-	-	-	3	3	3	2
C115.6	3	2	3	-	3	-	-	-	-	-	-	3	3	3	2
C115	3	2	3		3							3	3	3	2

Course Outcome Program Outcomes Mapping using - Competencies-Performance Indicators.

Subject Code / Name :

PO/ CO	Competency		Performance Indicators		CO1	CO2	CO3	CO4	CO5	CO6
PO1: Engineering Knowledge: apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.	1.1	Demonstrate competence in mathematical modeling	1.1.1	Apply mathematical techniques such as linear algebra, differential calculus, differential equations and integral calculus to solve problems	y	y	y	y	y	y
			1.1.2	Apply concepts of Complex Variable, probability, linear algebra, vector integration and transformation techniques to model and solve electronics engineering problems.	y	y	y	y	y	y
	1.2	Demonstrate competence in basic sciences	1.2.1	Apply laws of natural science to an engineering problem	y	y	y	y	y	y
	1.3	Demonstrate competence in engineering fundamentals	1.3.1	Apply engineering fundamentals	y	y	y	y	y	y
	1.4	Demonstrate competence in specialized engineering knowledge to the program	1.4.1	Apply electronics engineering concepts to solve engineering problems	y	y	y	y	y	y
				Average	3	3	3	3	3	3
				Average Final	3	3	3	3	3	3
PO2: Problem Analysis: identify, formulate, review research literature, and analyze complex engineering problems reaching	2.1	Demonstrate an ability to identify and formulate complex engineering problem	2.1.1	Articulate problem statements and identify objectives.	y			Y		
			2.1.2	Identify engineering systems, variables, and parameters to solve a problem	y			Y		
			2.1.3	Identify the mathematical, engineering and other relevant knowledge that applies to a given problem	y		Y	Y		
	2.2	Demonstrate an ability to formulate a solution plan and methodology	2.2.1	Reframe complex problems into interconnected sub-problems.	y	y	y	Y	y	y
			2.2.2	Identify, assemble and evaluate information and resources	y	y	Y	Y	y	y

substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.		for an engineering problem	2.2.3	Identify existing solution/methods for solving the problem, including forming justified approximations and assumptions	y	y	y	Y	y	y
			2.2.4	Compare and contrast alternative solution/methods to select the best methods.	y	y	y	Y	y	y
	2.3	Demonstrate an ability to formulate and interpret a model	2.3.1	Combine scientific principles and engineering concepts to formulate model/s (mathematical or otherwise) of a system or process that is appropriate in terms of applicability and required accuracy.	y	y	y	Y	y	y
			2.3.2	Identify assumptions (mathematical and physical) necessary to allow modeling of a system at the level of accuracy required.	y	y	y	Y	y	y
	2.4	Demonstrate an ability to execute a solution process and analyze results	2.4.1	Apply engineering mathematics to implement solution	y	y	y		y	y
			2.4.2	Analyze and interpret the results using contemporary tools.	y	y	y		y	y
			2.4.3	Identify the limitations of the solution and sources/causes of error.	y	y			y	
			2.4.4	Arrive at conclusions with respect to the objectives.						y
	Average				2	2	2	2	2	2
	Average Final				2	2	2	2	2	2
PO3: Design & Development of Solutions: design solutions for complex engineering problems and design system components or processes	3.1	Demonstrate an ability to define a complex/open-ended problem in engineering terms	3.1.1	Recognize that need analysis is key to good problem definition	y	y	y	y	y	y
			3.1.2	Able to identify and document system requirements from stakeholders.	y	y	y	y	y	y
			3.1.3	Ability to review state of the art literature to synthesize requirements.	y	y	y	y	y	y
			3.1.4	Extract engineering requirements from relevant engineering codes and standards defined by ISO/IEC/IEEE.	y	y	y	y	y	y

that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.			3.1.5	Explore and synthesize engineering requirements considering health, safety, risks, environment, cultural and societal issues	y	y	y	y	y	y
			3.1.6	Determine design, objectives, functional	y	y	y	y	y	y
				requirements and arrive at specifications	y	y	y	y	y	y
	3.2	Demonstrate an ability to generate a diverse set of alternative design solutions	3.2.1	Ability to explore design alternatives.	y	y	y	y	y	y
			3.2.2	Build models/prototypes to develop diverse set of design solutions	y	y	y	y	y	y
			3.2.3	Identify suitable criteria for evaluation of alternate design solutions	y	y	y	y	y	y
	3.3	Demonstrate an ability to select optimal design scheme for further development	3.3.1	Ability to perform systematic evaluation of the degree to which several design concepts meet the criteria.	y	y	y	y	y	y
			3.3.2	Consult with domain experts and stakeholders to select candidate engineering design solution for further development	y	y	y	y	y	y
	3.4	Demonstrate an ability to advance an engineering design to defined end state	3.4.1	Refine a conceptual design into a detailed design within the existing constraints (of the resources)	y	y	y	y	y	y
			3.4.2	Generate information through appropriate tests to improve or revise design	y	y	y	y	y	y
					3	3	3	3	3	3
					3	3	3	3	3	3
PO4: Conduct Investigation of Complex Problems: Use research-based knowledge and research methods	4.1	Demonstrate an ability to conduct investigations of technical issues consistent with their level of knowledge and understanding	4.1.1	Define a problem for purpose of investigation,its scope and importance						
			4.1.2	Choose appropriate methods, algorithms, hardware/software tools and techniques of experiment design, system calibration, data acquisition, analysis and presentation						

including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions.			4.1.3	Apply appropriate hardware/software tools to conduct the experiment						
			4.1.4	Establish a relationship between measured data and underlying physical principles						
	4.2	Demonstrate an ability to design experiments to solve open ended problems	4.2.1	Design and develop experimental approach, specify appropriate equipment and procedures						
			4.2.2	Understand the importance of statistical design of experiments and choose an appropriate experimental design plan based on the study objectives						
	4.3	Demonstrate an ability to analyze data and reach a valid conclusion	4.3.1	Use appropriate procedures, tools and techniques to collect and analyze data						
			4.3.2	Critically analyze data for trends and correlations, stating possible errors and limitations						
			4.3.3	Represent data (in tabular and/or graphical forms) so as to facilitate analysis and explanation of the data, and drawing of conclusions						
			4.3.4	Synthesize information and knowledge about the problem from the raw data to reach appropriate conclusions						
					0	0	0	0	0	0
					-	-	-	-	-	-
PO5: Modern Tools Usage: create, select and apply appropriate techniques, resources, and modern engineering and IT tools including	5.1	Demonstrate an ability to identify/create modern engineering tools, techniques and resources	5.1.1	Identify modern engineering tools techniques and resources for engineering activities	y	y	y	y	y	y
			5.1.2	Create/adapt/modify/extend tools and techniques to solve engineering problems	y	y	y	y	y	y
	5.2	Demonstrate an ability to select and apply discipline specific tools, techniques and resources	5.2.1	Identify the strengths and limitations of tools for (i) acquiring information (ii) modeling and simulating (iii) monitoring system performance, and (iv) creating engineering	y	y	y	y	y	y

prediction and modeling to complex engineering activities with an understanding of the limitations.				designs						
			5.2.2	Demonstrate proficiency in using discipline specific tools	y	y	y	y	y	y
	5.3	Demonstrate an ability to evaluate the suitability and limitations of tools used to solve an engineering problem	5.3.1	Discuss limitations and validate tools, techniques and resources	y	y	y	y	y	y
			5.3.2	Verify the credibility of results from tool use with reference to the accuracy and limitations,and the assumptions inherent in their use.	y	y	y	y	y	y
					3	3	3	3	3	3
					3	3	3	3	3	3

PO6: The Engineer and Society: apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	6.1	Demonstrate an ability to describe engineering roles in a broader context, e.g. pertaining to the environment, health, safety, legal and public welfare	6.1.1	Identify and describe various engineering roles; particularly as pertains to protection of the public and public interest at global, regional and local level.						
	6.2	Demonstrate an understanding of professional engineering regulations, legislation and standards	6.2.1	Interpret legislation, regulations, codes, and standards relevant to professional engineering practice and explain its contribution to the protection of the public.						
					0	0	0	0	0	0
					-	-	-	-	-	-

PO7: Environment & Sustainability: understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	7.1	Demonstrate an understanding of the impact of engineering and industrial practices on social, environmental and in economic contexts	7.1.1	Identify risks/impacts in the life-cycle of anengineering product or activity						
			7.1.2	Understand the relationship between the technical, socioeconomic and environmental dimensions of sustainability						
	7.2	Demonstrate an ability toapply principles of sustainable design and development	7.2.1	Describe management techniques for sustainable development						
			7.2.2	Apply principles of preventive engineering and sustainable development to anengineering activity or product relevant to thediscipline						
					0	0	0	0	0	0
					-	-	-	-	-	-

PO8: Ethics: apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.	8.1	Demonstrate an ability to recognize ethical dilemmas	8.1.1	Identify situations of unethical professional conduct and propose ethical alternatives						
	8.2	Demonstrate an ability to apply the code of ethics	8.2.1	Identify tenets of code of ethics given by theprofessional bodies like IEEE.						
			8.2.2	Examine and apply moral & ethical principles to known case studies						
					0	0	0	0	0	0
					-	-	-	-	-	-

PO9: Individual & Team work:	9.1	Demonstrate an ability to form a team and define a role for each	9.1.1	Recognize a variety of working and learning preferences; appreciate the value of diversity on a team						

function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.		member	9.1.2	Implement the norms of practice (e.g. rules, roles, charters, agendas etc.) of effective team work, to accomplish a goal						
	9.2	Demonstrate effective individual and team operations---communication, problem solving, conflict resolution and leadership skills	9.2.1	Demonstrate effective communication, problem solving, conflict resolution and leadership skills						
			9.2.2	Treat other team members respectfully						
			9.2.3	Listen to other members						
			9.2.4	Maintain composure in difficult situations						
	9.3	Demonstrate success in a team based project	9.3.1	Present results as a team, with smooth integration of contributions from all individual efforts						
					0	0	0	0	0	0
					-	-	-	-	-	-

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	10.1	Demonstrate an ability to comprehend technical literature and document project work	10.1.1	Read, understand and interpret technical and non-technical information						
			10.1.3	Create flow in a document or presentation- a logical progression of ideas so that the main point is clear						
	10.2	Demonstrate competence in listening, speaking and presentation	10.2.1	Listen to and comprehend information, instructions, and viewpoints of others						
			10.2.2	Deliver effective oral presentations to technical and nontechnical audiences						
	10.3	Demonstrate the ability to integrate different modes of communication	10.3.1	Create engineering-standard figures, reports and drawings to complement writing and presentations						
			10.3.2	Use a variety of media effectively to convey a message in a document or a presentation						
					0	0	0	0	0	0
					-	-	-	-	-	-

effective presentations, and give and receive clear instructions.										

PO11: Project management & 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.	11.1	Demonstrate an ability to evaluate the economic and financial performance of an engineering activity	11.1.1	Describe various economic andfinancial costs/benefits of an engineering activity						
			11.1.2	Analyze different forms of financial statements to evaluate the financial status of an engineering project						
	11.2	Demonstrate an ability to compare and contrast the costs/benefits of alternate proposals for an engineering activity	11.2.1	Analyze and select the most appropriate proposal based on economic and financial considerations						
	11.3	Demonstrate an ability to plan/manage an engineering activity within time and budget constraints	11.3.1	Identify the tasks required to complete an engineering activity and the resources required to complete the tasks						
			11.3.2	Use project management tools to schedule an engineering project so it is completed on time and on budget						
					0	0	0	0	0	0
					-	-	-	-	-	-

PO12: Life-long	12.1	Demonstrate an ability to identify gaps in	12.1.1	Describe the rationale for requirement for continuing professional development	y	y	y	y	y	y

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.		knowledge and a strategy to close these gaps	12.1.2	Identify deficiencies or gaps in knowledge and demonstrate an ability to source information to close this gap	y	y	y	y	y	y
	12.2	Demonstrate an ability to identify changing trends in engineering knowledge and practice	12.2.1	Identify historic points of technological advance in engineering that required practitioners to seek education in order to stay current	y	y	y	y	y	y
			12.2.2	Recognize the need and be able to clearly explain why it is vitally important to keep current regarding new developments in your field.	y	y	y	y	y	y
	12.3	Demonstrate an ability to identify and access sources for new information	12.3.1	Source and comprehend technical literature and other credible sources of information	y	y	y	y	y	y
			12.3..2	Analyze sourced technical and popular information for feasibility, viability, sustainability etc.	y		y		y	
					3	3	3	3	3	3
					3	3	3	3	3	3

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution under UGC, New Delhi)
Recognized under 2(f) and 12(B) of UGC Act 1956
NBA Accredited, Approved by AICTE and Permanently affiliated to JNTUH
Sheriguda (V), Ibrahimpatnam, R.R.Dist, Hyderabad - 501 510

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BR-22

Lr.No.SICET/AUTO/DAE/BR-22/Academic Cal./655/2022 Date: 27.10.2022

I B.TECH. ACADEMIC CALENDAR
ACADEMIC YEAR : 2022-2023

Dr.G. SURESH,
Principal,

To,
All the HODs
Sir,

Sub: SICET (Autonomous) - Academic & Evaluation - Academic Calendar for I **B.Tech - I & II Semester** for the academic year **2022-23** – Reg.

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

I SEMESTER

S.NO.	EVENT	PERIOD	DURATION
1.	Induction & Orientation Programme	**03.11.2022**	
2.	1ST Spell of Instructions for covering First Two and a half Units	03.11.2022 – 28.12.2022	8 Weeks
3.	I Mid Examinations	29.12.2022 – 04.01.2023	1 Week
4.	Submission of I Mid Term Examination Marks to the Autonomous Section on or before	10.01.2023	
5.	2nd Spell of Instructions for covering Remaining Two and a half Units	05.01.2023 – 02.03.2023	8 Weeks
6.	II Mid Examinations	03.03.2023 – 09.03.2023	1 Week
7.	Preparation & Practical Examinations and Remidial Mid Test (RMT)	10.03.2023 – 16.03.2023	1 Week
8.	Submission of II Mid Term Examination Marks Marks to the Autonomous Section on or before	16.03.2023	
9.	I Semester End Examinations	17.03.2023 – 01.04.2023	2 Weeks
	Commencement of Class-Work for I B.Tech - II Semester 03.04.2023		

II SEMESTER

S.NO.	EVENT	PERIOD	DURATION
1.	Commencement of II Sem Class Work	**03.04.2023**	
2.	1st Spell of Instructions for covering First Two and a half Units (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 I Mid Term Examination Marks to the Autonomous Section on or before	23.06.2023	
5.	2nd Spell of Instructions for covering Remaining Two and a half Units	19.06.2023 – 12.08.2023	8 Weeks
6.	II Mid Examinations	14.08.2023 – 19.08.2023	1 Week
7.	Preparation & Practical Examinations and Remidial Mid Test (RMT)	21.08.2023 – 26.08.2023	1 Week
8.	Submission of II Mid Term Examination Marks 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		

ACE CE DEAN PRINCIPAL

Copy to all the Heads of the Depts. and AO.

CONTROLLER OF EXAMINATIONS
Sri Indu College of Engineering & Technology
(An Autonomous Institution under JNTUH)
Sheriguda (V), Ibrahimpatnam, R.R. Dist-501510.

DIRECTOR
(Academic Audit)
Sri Indu College of Engineering & Technology
Sheriguda, IBP, R.R. Dist-501510.

PRINCIPAL
Sri Indu College of Engineering & Technology
(An Autonomous Institution Under JNTUH)
Sheriguda (V), Ibrahimpatnam, R.R. Dist-501510.

Sri Indu College of Engineering & Technology :: Sheriguda (V)/ R.R.Dist

Department of Computer Science and Engineering

I B.Tech II Semester CSE-A-TIME TABLE 2021-22

Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist
Department of Humanities & Sciences

I B.Tech I Semester CSE-B - TIME TABLE 2022-23

ROOM NO: F-202 **w.e.f: 10-11-2022**

Time/Day	9:40am-10:30am I	10:30-11:20am II	11:20-12:10pm III	LUNCH	12:40-01:45pm IV	1:45-2:50pm V	2:50-4:00pm VI
MON	M&C	EC	BEE		PPS	← BEE LAB →	
TUE	← EC LAB →				PPS	BEE	EC
WED	← Elements of CSE →				EC	PPS	M&C
THU	← PPS LAB →				PPS	COUNS	M&C
FRI	← CAEG →				EC	M&C	PPS
SAT	BEE	EC	M&C		← CAEG →		

COURSE CODE	COURSE NAME	FACULTY NAME
M&C	Matrices And Calculus	Ch Ravali
EC	Engineering Chemistry	A Shiva Kumar
PPS	Programming for Problem Solving	K.S. Archana
BEE	Basic Electrical Engineering	N Ashlesha
CAEG	Computer Aided Engineering Graphics	B Vineeth
Elements of CSE	Elements of Computer Science & Engineering	Dr T Charan Singh
EC LAB	Engineering Chemistry Laboratory	A Shiva Kumar
PPS LAB	Programming for Problem Solving Laboratory	K.S. Archana
BEE LAB	Basic Electrical Engineering Laboratory	N Ashlesha
COUNS	Counseling	

CLASS COORDINATOR: A Shiva Kumar

TIME TABLE INCHARGE: B Vineeth

Head of the Department

Principal

Head of the Department

Principal

Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist
Department of Humanities & Sciences

I B.Tech I Semester CSE-C - TIME TABLE 2022-23

ROOM NO: F-203 w.e.f: 10-11-2022

Time/Day	9:40am-10:30am I	10:30-11:20am II	11:20-12:10pm III	LUNCH	12:40-01:45pm IV	1:45-2:50pm V	2:50-4:00pm VI
MON	PPS	EC	M&C		← EC LAB →		
TUE	EC	M&C	PPS		BEE	← BEE LAB →	
WED	← PPS LAB →				M&C	BEE	PPS
THU	← CAEG →				BEE	COUNS	EC
FRI	M&C	EC	PPS		← CAEG →		
SAT	← Elements of CSE →				PPS	EC	M&C

COURSE CODE	COURSE NAME	FACULTY NAME
M&C	Matrices And Calculus	Ch Ravali
EC	Engineering Chemistry	U Sahithya Reddy
PPS	Programming for Problem Solving	Lavanya
BEE	Basic Electrical Engineering	G Sharada
CAEG	Computer Aided Engineering Graphics	K Vijaya Kumar
Elements of CSE	Elements of Computer Science & Engineering	Dr T Charan Singh
EC LAB	Engineering Chemistry Laboratory	U Sahithya Reddy
PPS LAB	Programming for Problem Solving Laboratory	Lavanya
BEE LAB	Basic Electrical Engineering Laboratory	G Sharada
COUNS	Counseling	

CLASS COORDINATOR: K Vijaya Kumar TIME TABLE INCHARGE: U Sahithya

Head of the Department

Principal

Sri Indu College of Engineering & Technology :: Sheriguda (V), R.R.Dist
Department of Humanities & Sciences

I B.Tech I Semester CSE-D - TIME TABLE 2022-23

ROOM NO: F-204 **w.e.f: 10-11-2022**

Time/Day	9:40am-10:30am I	10:30-11:20am II	11:20-12:10pm III		12:40-01:45pm IV	1:45-2:50pm V	2:50-4:00pm VI
MON	← PPS LAB →			LUNCH	COUNS	PPS	M&C
TUE	← CAEG →				EC	M&C	PPS
WED	← EC LAB →				BEE	PPS	EC
THU	M&C	BEE	EC		← CAEG →		
FRI	EC	PPS	M&C		BEE	← BEE LAB →	
SAT	M&C	EC	PPS		← Elements of CSE →		

COURSE CODE	COURSE NAME	FACULTY NAME
M&C	Matrices And Calculus	Ch Ravali
EC	Engineering Chemistry	U Sahithya Reddy
PPS	Programming for Problem Solving	K.S. Archana
BEE	Basic Electrical Engineering	N Ashlesha
CAEG	Computer Aided Engineering Graphics	K Vijaya Kumar
Elements of CSE	Elements of Computer Science & Engineering	Dr T Charan Singh
EC LAB	Engineering Chemistry Laboratory	U Sahithya Reddy
PPS LAB	Programming for Problem Solving Laboratory	K.S. Archana
BEE LAB	Basic Electrical Engineering Laboratory	N Ashlesha
COUNS	Counseling	

LASS COORDINATOR: K Vijaya Kumar **TIME TABLE INCHARGE: U Sahithya**

Head of the Department

Principal

Sri Indu College of Engineering & Technology :: Sheriguda (V)/ R.R.Dist

1st B.Tech 1st Semester CSE – TIME TABLE 2022-23

INDIVIDUAL TIME TABLE: B.VINEETH

Time/Day	9:40am-10:30am I	10:30-11:20am II	11:20-12:10pm III	LUNCH	12:40-01:45pm IV	1:45-2:50pm V	2:50-4:00pm VI
MON							
TUE					CSE-A		
WED	CSE-A						
THURS							
FRI	CSE-B						
SAT					CSE-B		

Head of the Department **Principal**

1st B.Tech 1st Semester CSE – TIME TABLE 2022-23

INDIVIDUAL TIME TABLE: K.VIJAY KUMAR

Time/Day	9:40am-10:30am I	10:30-11:20am II	11:20-12:10pm III		12:40-01:45pm IV	1:45-2:50pm V	2:50-4:00pm VI
MON				L U N C H			
TUE	CSE-D						
WED							
THURS	CSE-C				CSE-D		
FRI					CSE-C		
SAT							

Head of the Department **Principal**

	SRI INDU COLLEGE OF ENGG & TECH **LESSON PLAN** **(Regulation :R21)** **Department of Electrical and Electronics Engineering**		**Prepared on** **Rev1:**
	Sub. Code & Title	**R22MED1125 &Computer Aided Engineering Graphics**	
	Academic Year: 2022-23	**Year/Sem./Section**	**I/I CSE**
	Faculty Name & Designation	**B.Vineeth & Assistant Professor**	

UNIT – I

INTRODUCTION TO ENGINEERING DRAWING

Unit/ Item No.	Topic (s)	Book Reference	Page (s)		Teaching Methodology	Proposed No. of Periods	Actual Date of Handled	CO
			From	To				
1.1	Introduction to Engineering Drawing	T1	1	36	Black board	03		CO1
1.2	Principles of Engineering Graphics and their Significance – Drawing Instruments and their Use – Conventions in Drawing – Lettering	T1	37	47	Black board	03		CO1
1.3	Geometrical constructions	T1	69	89	Black board	03		CO1
1.4	Introduction of scales , Construction of plain scales	T1	51	54	Black board	03		CO1
1.5	Construction of Diagonal scales	T1	55	59	Black board	03		CO1
1.6	Introduction to Conic section. General Method For Ellipse, parabola & Hyperbola	T1	101	113	PPT, Black board	03		CO1
1.7	Construction methods of ELLIPSE	T1	104	109	Black board	03		CO1
1.8	Construction methods of PARABOLA	T1	110	112	Black board	03		CO1
1.9	Construction methods of HYPERBOLA,RECTANGULAR HYPERBOLA	T1	113	114	Black board	03		CO1
1.10	Introduction to Cycloidal Curves. Construction of Cycloid, Epi-cycloid and Hypocycloid	T1	116	121	PPT, Black board	03		CO1
1.11	Additional Exercises	T1			PPT, Black board	03		CO1

	Review	**Signature of the HOD/Coordinator**

UNIT – II

ORTHOGRAPHIC PROJECTIONS

Unit/ Item No.	Topic (s)	Book Reference	Page (s)		Teaching Methodology	Proposed No. of Periods	Actual Date of Handled	CO
			From	To				
2.1	Introduction of Orthographic Projection and their Conventions	T1	169	176	PPT, Black board	03		CO2
2.2	Projections of Points	T1	189	194	PPT, Black board	03		CO2
2.3	Introduction to Projections of Lines, Problems based on True lengths and traces.	T1	195	240	PPT, Black board	03		CO2
2.4	Introduction to Projections Of Planes and problems	T1	255	270	PPT, Black board	03		CO2
2.5	Introduction to Auxiliary plane Methods and Problems	T1	241	254	Black board	03		CO2
	Additional Exercise	T1			PPT, Black board	03		CO2
	Review	**Signature of the HOD/Coordinator**						

UNIT-III

PROJECTION OF RIGHT REGULAR SOLIDS

Unit/ Item No.	Topic (s)	Book Reference	Page (s)		Teaching Methodology	Proposed No. of Periods	Actual Date of Handled	
			From	To				
3.1	Introduction to projection of solids. Projection of Solids in simple positions	T1	271	279	PPT, Black board	03		CO3
3.2	Projection of Solids Axis inclined to one plane and parallel to other plane	T1	279	283	Black board	03		CO3
3.3	Projection of Solids with Axis inclined to both the planes	T1	286	293	Black board	03		CO3
3.4	Auxiliary plane method for solids ,Additional Exercise	T1	294	299	Black board	03		CO3

3.5	Introduction to section of solids,Problems on Section of Prism & Pyramid	T1	313	325	PPT, Black board	03		CO4
3.6	Problems on Section of Cylinder & Cone	T1	326	336	Black board	03		CO4
3.7	Additional Exercise	T1			PPT, Black board	03		CO4
	Review	**Signature of the HOD/Coordinator**						

UNIT-IV

DEVELOPMENT OF RIGHT REGULAR SOLIDS

Unit / Item No.	**Topic (s)**	Book Reference	Page (s)		Teaching Methodology	Proposed No. of Periods	Actual Date of Handled	CO
			From	To				
4.1	Introduction to Development of Surfaces and problems on Development of Right Regular Solids – Cube,Prisms & cylinder	T1	351	359	PPT, Black board	03		CO5
4.2	Problems on Development of Right Regular Solids – Pyramid & cone	T1	360	369	Presentation	03		CO5
4.3	Additional Exercise	T1			Black board	03		CO5
	Review	**Signature of the HOD/Coordinator**						

UNIT-V

ISOMETRIC PROJECTION

Unit / Item No.	**Topic (s)**	Book Reference	Page (s)		Teaching Methodology	Proposed No. of Periods	Actual Date of Handled	CO
			From	To				
5.1	Principles of Isometric projection, scale, Isometric Views and Conventions	T1	417	420	PPT, Black board	03		CO6
5.2	Isometric view of planes & simple	T1	421	426	Black board	03		CO6

	solids,							
5.3	Isometric view of compound solids & Non IsometricLines	T1	427	433	Black board	03		CO6
5.4	Conversion of Orthographic to Isometric View	T1	434	464	Black board	03		CO6
5.5	Conversion of Isometric to Orthographic View	T1	526	538	Black board	03		CO6
5.6	Additional Exercise							
5.7	Introduction to Auto-CAD Software package commands.Creation of 2-D sketches	T1	621	639	PPT, Black board	03		CO6
5.8	Additional Exercise	T1			PPT, Black board	03		CO6
	Review	**Signature of the HOD/Coordinator**						

LIST OF TEXT BOOKS AND REFERENCES

Text Books:

T1.Engineering Drawing N.D. Bhatt / Charotar

T2. Engineering Drawing / N. S. Parthasarathy and Vela Murali/ Oxford

Reference Books:

R1. Engineering Drawing / Basant Agrawal and McAgrawal/ McGraw Hill

R2. Engineering Drawing/ M. B. Shah, B.C. Rane / Pearson.

R3.Computer Aided Engineering Drawing – K Balaveera Reddy et al – CBS Publishers

Faculty Signature

Sri Indu College of Engineering & Technology :: Sheriguda (V)/ R.R.Dist

Department of Computer Science and Engineering

TUTORIAL LESSON PLAN:

S.No	TOPIC TO BE COVERED	TEACHING AIDS	BOOKS	Proposed No. of Periods
1	Construction of Diagonal scales	Black board	T1	1

S.No	TOPIC TO BE COVERED	TEACHING AIDS	BOOKS	Proposed No. of Periods
2	Construction methods of ELLIPSE	Black board	T1	1
3	Construction methods of hyperbola	Black board	T1	1
4	Introduction to Cycloidal Curves. Construction of Cycloid, Epi-cycloid and Hypocycloid	Black board	T1	1
5	Introduction to Projections of Lines, Problems based on True lengths and traces.	Black board	T1	1
6	Introduction to Projections of planes	Black board	T1	1
7	Introduction to Projections ofsolids	Black board	T1	1
8	Introduction to section of solids	Black board	T1	1
9	Introduction to Development of Surfaces and problemson Development of Right Regular Solids – Prisms & cylinder	Black board	T1	1
10	Introduction to Development of Surfaces and problemson Development of Right Regular Solids – Cone & pyramids	Black board	T1	1
11	Intersection of solids	Black board	T1	1
12	Introduction isometric projections	Black board	T1	1
13	Conversion of Orthographic to Isometric View	Black board	T1	1
14	Conversion of Isometric to Orthographic View	Black board	T1	**1**
15	Introduction perspective projections	Black board	T1	1
TOTAL				**15**

Faculty Signature

Web References

1. https://www.slideshare.net/GovindPatil9/engineering-drawing-basicsppt

2. https://nptel.ac.in/courses/112103019/3
3. https://www.slideshare.net/nyioq/orthographic-projection
4. https://www.slideshare.net/AniketSuryawanshi/projection-of-solids-73140319
5. www.iitg.ac.in/kpmech/ME111-2016/Development.ppt
6. https://www.slideshare.net/kashyapshah11/development-of-surfaces-of-solids
7. www.iitg.ac.in/kpmech/ME111-2016/Intersection%20of%20soildsR1.ppt
8. https://www.slideshare.net/vijendrarathor849/isometric-projection-73581702

https://www.slideshare.net/eglive/lesson-13perspectiveprojection

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BR22

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Department of Computer Science and Engineering

List of Power point presentations / Videos

1. Introduction. https://www.digimat.in/nptel/courses/video/112102304/L01.html
2. Orthographic projection
   https://www.digimat.in/nptel/courses/video/105104148/L05.html
3. solids
   https://www.digimat.in/nptel/courses/video/112102304/L20.html
4. section views
   https://www.digimat.in/nptel/courses/video/112102304/L22.html
5. isometric projections
   https://www.digimat.in/nptel/courses/video/112102304/L28.html

Faculty Signature

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution under UGC, New Delhi) - Recognized under 2(f) and 12(B) of UGC Act 1956

IB.Tech.ISemester(REGULAR)End Examinations, March – 2023.

(R22MED1125) COMPUTER AIDED ENGINEERING GRAPHICS

27/03/2023 **(For CSE)** **Day- 5(AN)**

Duration: 3 Hrs **Maximum Marks: 60M**

Blooms Taxonomy : (I-Remembering, II-Understanding, III-Applying, IV-Analyzing, V-Evaluating and VI-Creating)
Course Outcomes : CO

PART – A

***Answer ALLthe following questions*.(10Qx1M=10M)**

1.	a)	What are Different Methods of dimensioning?	I	CO1
	b)	Define Eccentricity.	III	CO1
	c)	Name the Principal Planes of Projection.	II	CO2
	d)	Distinguish between First and Third Angle Projection	II	CO2
	e)	What are the different types of Solids?	I	CO3
	f)	Define cylinder in terms of surface of revolution.	III	CO3
	g)	Name any Two curved surfaces.	II	CO4
	h)	List out the classification of Development of Surfaces.	V	CO4
	i)	What is Meant by Orthographic Projection?	I	CO5
	j)	What are the principles of dimensioning in isometric projections?	II	CO5

PART – B

***Answer FIVE questions choosing at least one from each unit.*(5Qx10M=50M)**

UNIT-I

2.		Two points A and B are 100 apart. A point C is 75 from A and 60 from B. Draw an ellipse passing through A, B and C.	III	CO1
		(OR)		
		Construct a hypocycloid of rolling circle 50 dia, and directing circle 175 diameter.	III	CO2

UNIT-II

3.		Draw the projections of a point lying 20 below H.P and in third quadrant, if its shortest distance from the line of intersection of planes is 50. Also find the distance of the point from V.P.	II	CO2
		(OR)		
		A 90 long line is parallel to and 25 infront of the V.P. It's one end is in the H.P while the other is 50 above the H.P. Draw its projections and find its inclination with the H.P.	III	CO2

UNIT-III

4.		A pentagonal prism, base 25 side, and axis 60 long is lying on the ground on one of its faces with the axis parallel to the V.P. Draw its projections.	II	CO3
		(OR)		
		A pentagonal pyramid has an edge of the base in the V.P and inclined at 30° to the H.P, while the triangular face containing that edge makes an angle 45° with the V.P. Length of the side of the base being 30 and length of the axis 75. Draw the projections of the solid.	III	CO3

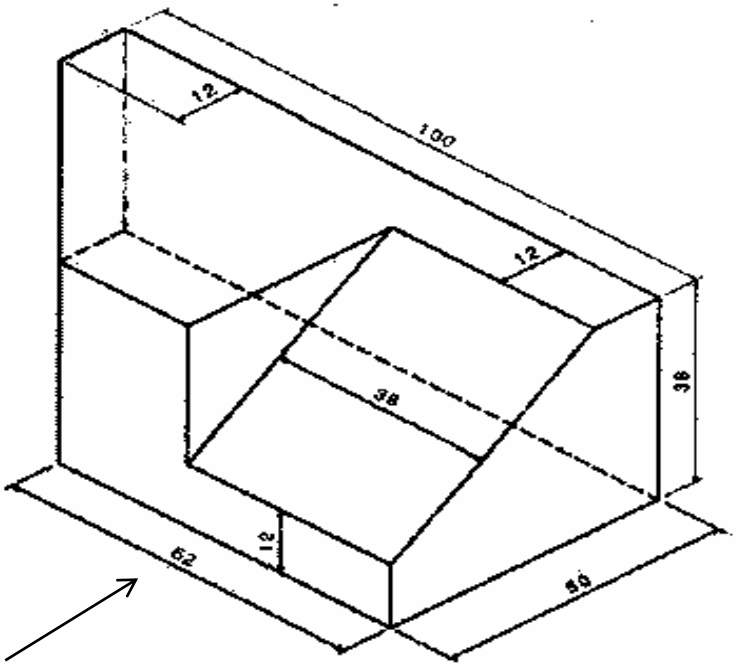
P.T.O.

UNIT-IV

5.		A square prism of side of base 40mm and axis 80mm long, is resting on its base on H.P such that, a rectangular face of it is parallel to V.P. Draw the development of the prism.	III	CO4
		(OR)		
		A pentagonal pyramid of side of base 30mm and axis 60mm long is resting on its base on H.P with an edge of the base parallel to V.P. Draw the development of the lateral surface of the pyramid.	IV	CO4

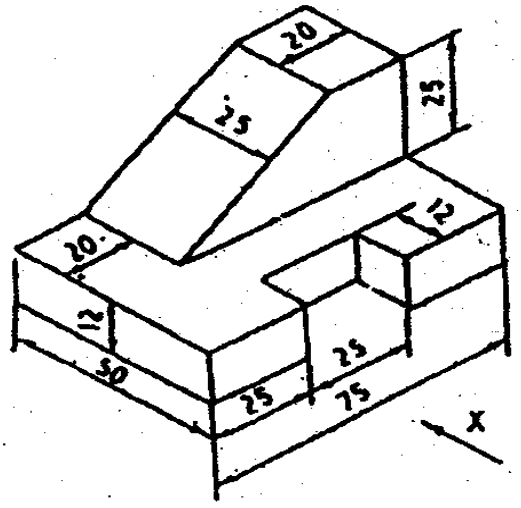
UNIT-V

6. Draw the front view, right side view and top view. II CO5



(OR)

Draw the front view, left side view and top view. CO



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(R22MED1125) COMPUTER AIDED ENGINEERING GRAPHICS
(For CSE)

A

Duration: 2 Hrs **Dt: 02-01-2023, Day-3 (FN)** **Max Marks: 30M**

Part – A

Answer *All:* multiple choice questions. **Marks: 10Qx1/2M = 5M**

*** (L1-Remembering, L2-Understanding, L3-Applying, L4-Analyzing, L5-Evaluating, and L6-Creating.)**

		*Blooms Taxonomy Levels	Course Outcomes
1.	The length: width in case of an arrow head is. [ ] A) 1:1 B) 2:1 C) 3:1 D) 4:1.	I	CO1
2.	Name the curve which has zero eccentricity [ ] A) Ellipse B) Parabola C) Hyperbola D) Circle	I	CO1
3.	A drafter helps in drawing to draw [ ] A) Parallel and Perpendicular lines B) Concentric Circles C) Smooth curves D) All of the above	I	CO1
4.	Drawing pencils are graded according to increase in relative _____ [ ] A) Diameter B) Sharpness C) Length D) Hardness	I	CO1
5.	Two points are placed in 1st quadrant of projection planes such that the line joining the points is perpendicular to profile plane the side view and top view will be _____ [ ] A) Single point, Two points B) Two points, Single point C) Single point, Single point D) Two points, Two points	I	CO2
6.	Oblique planes come under _____ [ ] A) Planes perpendicular to both reference planes B) Planes perpendicular to one reference plane and inclined to other reference plane C) Planes inclined to both the reference planes D) Planes parallel to one reference plane and perpendicular to other reference plane	I	CO2
7.	Straight line of projection will make an angle with xy line to the angle of plane with other principal plane [ ] A) Perpendicular B)Equal C) Right Angle D) Zero	I	CO2
8.	A square plate of negligible thickness is inclined to HP. The FV will appear as [ ] A) Rhombus B) Square C) Line D) Rectangle	I	CO2
9.	The minimum number of orthographic view required to represent a solid on flat surface is _____ [ ] A) 1 B) 2 C) 3 D) 4	II	CO3
10.	Straight lines drawn from the apex to the circumference of the base-circle are all equal and are called _____. [ ] A) Edges B) Connecting lines C) Projectors D) Generators	II	CO3

Answer *All:* fill in the blank questions. **Marks: 6Qx1/2M = 3M**

11.	Engineering drawings are required to _____to others.	III	CO1
12.	Drawings of buildings and large machine parts are prepared by using _____scales.	III	COI
13.	Section plane, cutting all the generators of a cylinder and making an angle with the axis other 90°produces_____.	III	CO1
14.	To represent the projections on a paper, the planes must be rotated such that _____quadrant always opens out.	I	CO2
15.	Plane surface have _____dimensions.	I	CO2
16.	Tetrahedron has _____equal faces, each an equilateral triangle.	I	CO3

P.T.O.

Answer *All:* Match the following questions. **Marks: 2Qx1M = 2M**

17. **Match the following**: I CO1

a) E < 1	i) Rectangular hyperbola
b) E = 1	ii) Hyperbola
c) E =√2	iii) Ellipse

d) E > 1	iv) Parabola

D4

18. **Match The Following**: I CO2

a) Vertical Trace	i) Intersecting line in Horizontal Plane
b) No Trace	ii) Intersecting line in Vertical Plane
c) No Trace	iii) Object Parallel HP
d) Horizontal Trace	iv) Object Parallel VP

Part – B

Answer any *FOUR* questions. **Marks: 4Qx5M = 20M**

19. Draw an ellipse when the distance of its focus from its directrix is 50mm and eccentricity is 2/3.Also draw a tangent and a normal to the ellipse at a point 70mm away from the directrix**.** VI CO1

20. Construct a diagonal scale of RF=3:200 showing meters, decimeters, and centimeters. The scale should measure up to 6meters.Show a distances of 4.56meters. III CO1

21. The major axis of an ellipse is 130 mm long and the minor axis is 100 mm long. Find the foci and draw the ellipse by 'arcs of circles' method. III CO1

22. Draw the projections of the following points on a common reference line, keeping the distance between their projectors 30 mm apart. IV CO2
    (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.

23. A 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. IV CO2

24. A hexagonal pyramid of base edge 30mm and axis 60mm, is lying on slant edge on the ground with the axis parallel to the V.P. Draw its projection when the face containing the resting edge are equally inclined to the H.P. III CO3

*****

(R22MED1125) COMPUTER AIDED ENGINEERING GRAPHICS

A

(For CSE-A and CSE-B)

Duration: 2 Hrs **Dt: 06-03-2023, Day-3 (FN)** **Max Marks: 30M**

Part – A

Answer *All:* multiple choice questions. **Marks: 10Qx1/2M = 5M**

*** (L1-Remembering, L2-Understanding, L3-Applying, L4-Analyzing, L5-Evaluating, and L6-Creating.)**

		*Blooms Taxonomy Levels	Course Outcomes
1.	To understand some of the hidden geometry of components an imaginary plane is used to cut the object which is called _____. [ ] A) auxiliary plane B) picture plane C) section plane D) additional plane.	II	CO3
2.	Name the view that provides the internal features of an object. [ ] A) sectional view B) oblique view C) auxiliary view D) pictorial view.	II	CO3
3.	Methods for the development can be. [ ] A) Parallel line method B) Radical line method C) Triangulation method D) All of them.	I	CO4
4.	A rectangle of 120 mm × 60 mm represents the development of the lateral surface of. [ ] A) a square prism of side 30 mm B) a hexagonal prism of side 20 mm C) a cylinder of diameter 120/pie D) all of these.	I	CO4
5.	Development of surfaces of a cube consists of: [ ] A) Four rectangles and a square B) Six squares C) Large rectangles D) None of the above.	I	CO4
6.	What is the method used to draw development of lateral surfaces of a prism? [ ] A) Radial line method B) Parallel line method C) Triangulation method D) Approximation method.	I	CO4
7.	Second angle projection is not used because. [ ] A) Plan is above xy B) both views overlap each other C) elevation is above xy D) views are small in size.	I	CO5
8.	For the third angle projection method, which of the following is correct? [ ] A) Observer -Object–Plane B) Observer–Plane–Object C) (a) and (b) both D) None of above.	I	CO5
9.	If the object lies in the second quadrant, its position with respect to reference plane will be [ ] A) In front of V.P. and above H.P B) Behind V.P. and below H.P. C) In front of V.P. and below H.P. D) Behind V.P. and above H.P.	I	CO5
10.	Which of the following pairs of orthographic views both show the height dimension? [ ] A) left side and front B) top and front C) top and rear D) bottom and right side .	I	CO5

Answer *All:* fill in the blank questions. **Marks: 6Qx1/2M = 3M**

11.	When a cone or pyramid is cut by a section plane, parallel to the base the retained portion of the solid is called_____.	I	CO3
12.	Single curved surface can be _____ developed.	I	CO4
13.	The actual surfaces of right pyramid and cones may be developed by_____ development method.	I	CO4
14.	The shape of the development of a cone is _____when its slant height is equal to its base circle diameter.	I	CO4
15.	_____angle that isometric lines make with each other.	I	CO5
16.	In isometric, the horizontal lines on the object are drawn at an angle of_____with the horizontal.	I	CO5

P.T.O.

Answer *All:* Match the following questions. **Marks: 2Qx1M = 2M**

17.	Match the following:	I	CO4

a) Plane surface	i) Cubes
b) Single curved surfaces	ii) Spheres

c) Doubly curved surfaces	iii) Cylinders and Cones
d) Square surfaces	iv) Prisms and Pyramids.

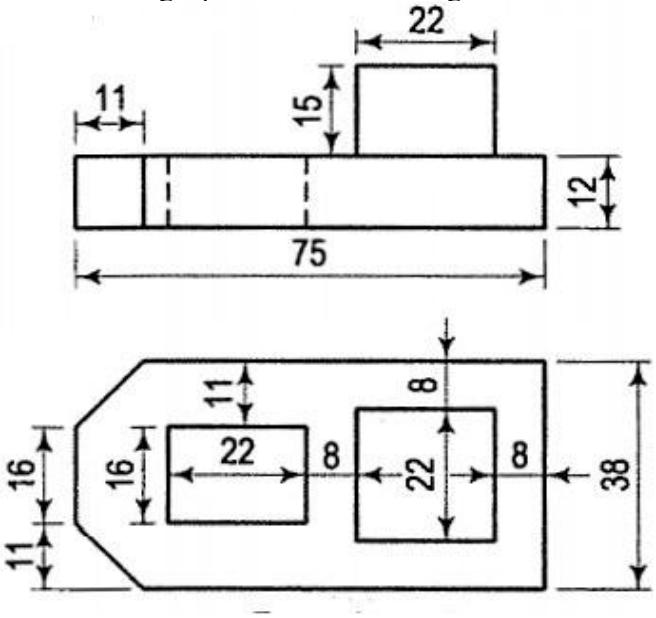
18. Match The Following: I CO5

a) The top view of an object in First angle projection	i) above top view
b) The front view of an object in First angle projection	ii) below front view
c) The top view of an object in Third angle projection	iii) below top view
d) The front view of an object in Third angle projection	iv) above front view

Part – B

Answer any *FOUR* questions. **Marks: 4Qx5M = 20M**

19. A cone of base diameter 50 mm and axis 60 mm has a generator in V.P. and the axis parallel to the H.P. Draw its projections. III CO3
20. Draw the projections of a cube with 40 mm long edge resting on the H.P. on one of its corners with a solid diagonal perpendicular to the V.P. III CO3
21. A hexagonal prism of side of base 30 axis length 60 mm is resting on H.P on its base with two of its vertical faces perpendicular to V.P .It is cut by a plane inclined at 45º to H.P and perpendicular to V.P and meets the axis of the prism at a distance 15mm from the top end. Draw the development of the lateral surface of the prism. III CO4
22. Draw the development of the lateral surface of a square pyramid of base side 40 mm and axis 60 mm, resting on its base on the H.P. such that a side of the base is parallel to the V.P. VI CO4
23. Draw the development of the lateral surface of a square pyramid of base side 40 mm and axis 60mm,resting on its base on the H.P. such that all the sides of the base are equally inclined to the V.P. III CO4
24. The front and side views of an angle plate are shown in Fig. Draw its isometric view. VI CO5



*****

CO & BT Mapping for I B.Tech –I Semester- End Examinations

* (L1-Remembering, L2-Understanding, L3-Applying, L4-Analyzing, L5-Evaluating, L6-Creating.)

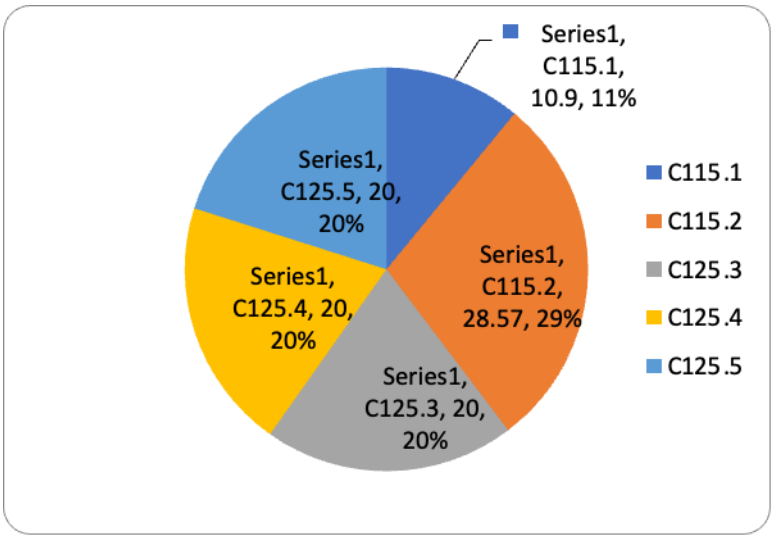
Q no.	Marks	Percentage(%)	Course outcome mapping	Bloom's Taxonomy level mapping
1(a)	1	1.66	C115.1	L1
(b)	1	1.66	C115.1	L3
(c)	1	1.66	C115.2	L2
(d)	1	1.66	C115.2	L2
(e)	1	1.66	C115.3	L1
(f)	1	1.66	C115.3	L3
(g)	1	1.66	C115.4	L2
(h)	1	1.66	C115.4	L5
(i)	1	1.66	C115.5	L1
(j)	1	1.66	C115.5	L2
2	10	8.66	C115.1	L3
	10	8.66	C115.1	L3
3	10	8.66	C115.2	L2
	10	8.66	C115.2	L3
4	10	8.66	C115.3	L2
	10	8.66	C115.3	L3
5	10	8.66	C115.4	L3
	10	8.66	C115.4	L4
6	10	8.66	C115.5	L2
	10	8.66	C115.6	L1

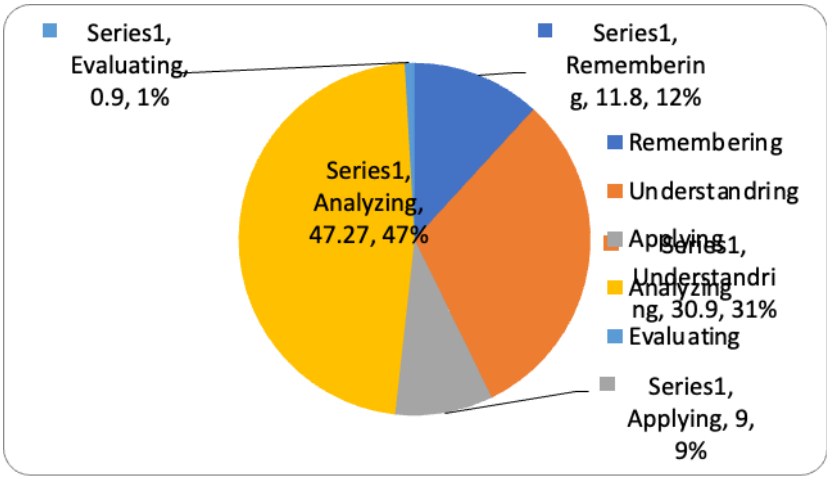
Remembering: 13M (11.8%); Understandring: 34M (30.9%); Analyzing: 10M(9%); Applying: 52M (47.27%): Evaluating: 1M(0.9%)

Department of Computer Science and Engineering

CO & BT Bloom's Taxonomy level mapping

CO	PERCENTAGE	MARKS
C115.1	10.9	12
C115.2	28.57	32
C115.3	20	22
C115.4	20	22
C115.5	20	2





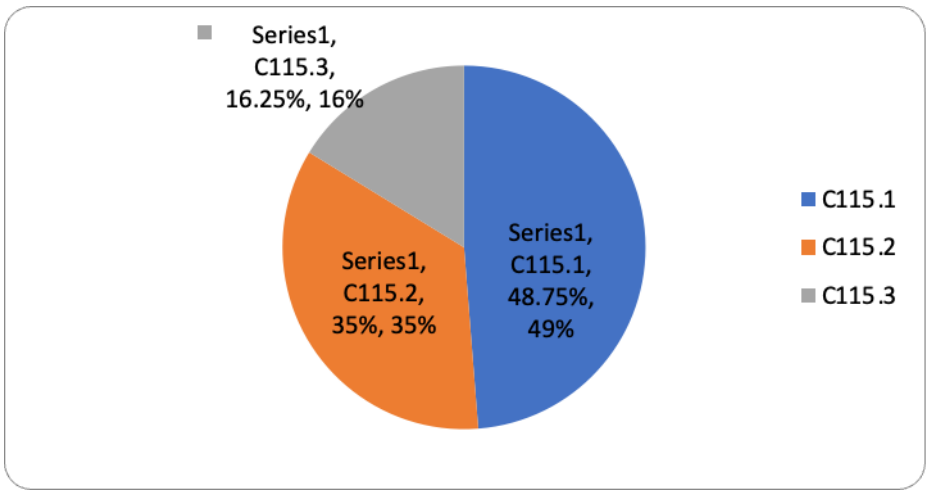
CO & BT mapping for Internal Question papers

I Mid Examination

Question No.	Marks	Percentage (%)	Course outcome mapping	Bloom's Taxonomy level mapping
1	0.5	1.25	C115.1	III
2	0.5	1.25	C115.1	I
3	0.5	1.25	C115.1	I
4	0.5	1.25	C115.1	I
5	0.5	1.25	C115.2	I
6	0.5	1.25	C115.2	I
7	0.5	1.25	C115.2	I
8	0.5	1.25	C115.2	I
9	0.5	1.25	C115.3	II
10	0.5	1.25	C115.3	III
11	0.5	1.25	C115.1	I
12	0.5	1.25	C115.1	III
13	0.5	1.25	C115.1	I
14	0.5	1.25	C115.2	I
15	0.5	1.25	C115.2	III
16	0.5	1.25	C115.3	I
17	1	2.5	C115.1	I
18	1	2.5	C115.2	I
19	5	12.5	C115.1	III
20	5	12.5	C115.1	III
21	5	12.5	C115.1	IV
22	5	12.5	C115.2	IV
23	5	12.5	C115.2	IV
24	5	12.5	C115.3	III

CO & BT Bloom's Taxonomy level mapping

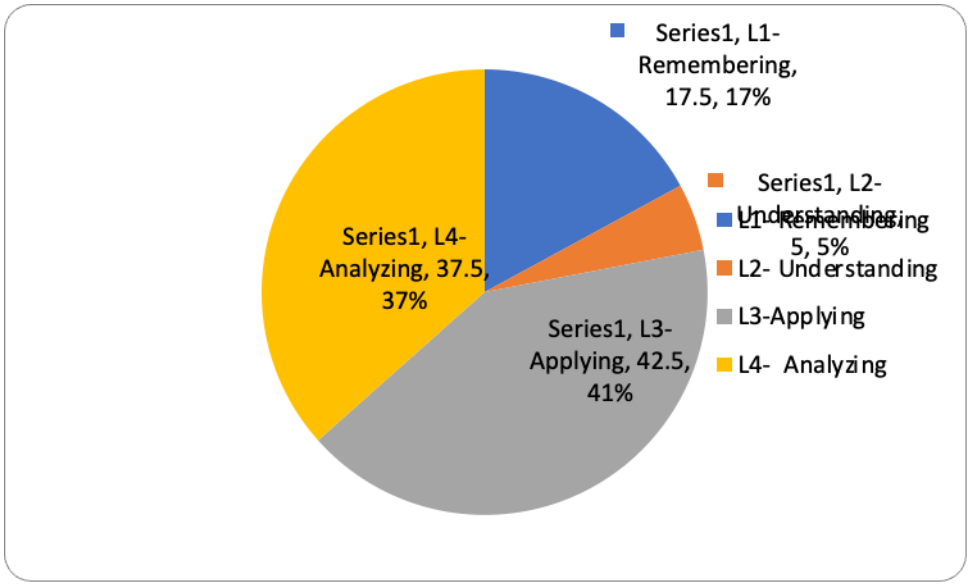
CO	PERCENTAGE	MARKS
C115.1	**48.75%**	**19.5**
C115.2	**35%**	**14**
C115.3	**16.25%**	**6.5**



Remembering: 7M (17.5%); Understanding: 2M (5%); Applying: 17M (42.5%);

Analyzing –1 5M (37.5%);

Bloom's Taxonomy level mapping	Percentage (%)
L1- Remembering	**17.5**
L2- Understanding	**5**
L3-Applying	**42.5**
L4- Analyzing	**37.5**



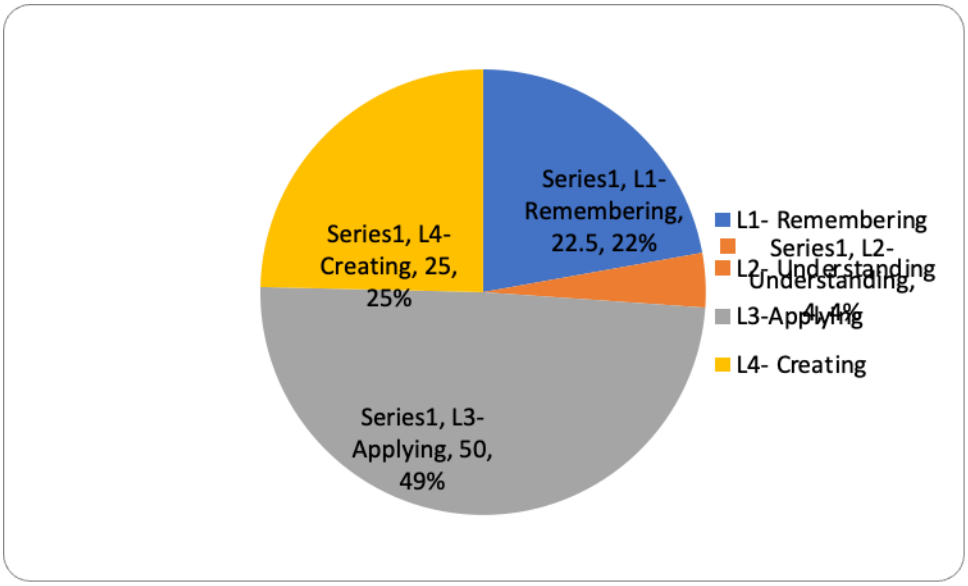
CO & BT mapping for Internal Question papers

II Mid Examination

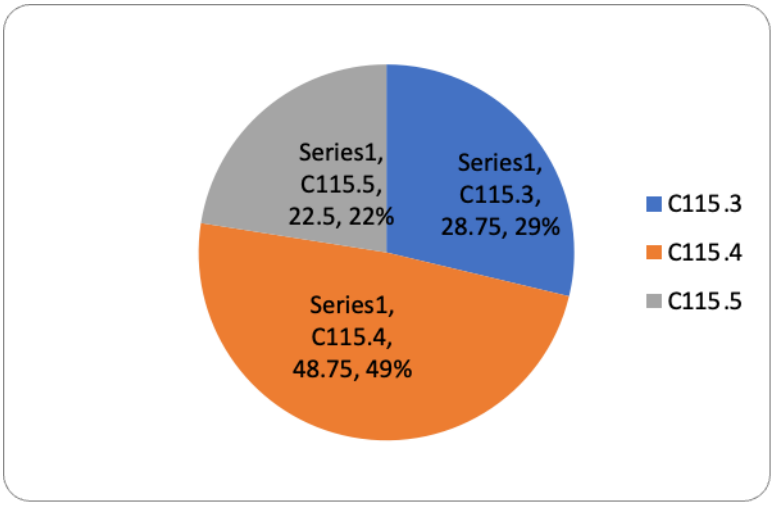
* (L1-Remembering, L2-Understanding, L3-Applying, L4-Analyzing, L5-Evaluating, L6-Creating.)

Question No.	Marks	Percentage(%)	Course outcome mapping	Bloom's Taxonomy level mapping
1	0.5	1.25	C115.3	II
2	0.5	1.25	C115.3	II
3	0.5	1.25	C115.4	I
4	0.5	1.25	C115.4	I
5	0.5	1.25	C115.4	I
6	0.5	1.25	C115.4	I
7	0.5	1.25	C115.5	I
8	0.5	1.25	C115.5	I
9	0.5	1.25	C115.5	I
10	0.5	1.25	C115.5	I
11	0.5	1.25	C115.3	I
12	0.5	1.25	C115.4	I
13	0.5	1.25	C115.4	I
14	0.5	1.25	C115.4	I
15	0.5	1.25	C115.5	I
16	0.5	1.25	C115.5	I
17	1	2.5	C115.4	I
18	1	2.5	C115.5	I
19	5	12.5	C115.3	III
20	5	12.5	C115.3	III
21	5	12.5	C115.4	III
22	5	12.5	C115.4	VI
23	5	12.5	C115.4	III
24	5	12.5	C115.5	VI

Bloom's Taxonomy level mapping	Percentage (%)
L1- Remembering	22.5
L2- Understanding	4
L3-Applying	50
L4- Creating	25



Course outcome	Percentage (%)
C115.3	28.75
C115.4	48.75
C115.5	22.5



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Assignment – I

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

2.A coin of 40mm diameter rolls over a horizontal table without slipping. A point on the circumference of the coin is in contact with the table surface in the beginning and after one complete revolution. Draw the path traced by the point. Also draw a tangent and normal at any point on the curve.

3. Draw the projection of the following points on the same ground line, keeping the distance between projectors equal to 25mm

- Point A,20mm above H.P,25mm behind the V.P
- Point B,25mm below H.P,20mm behind the V.P

4.A square ABCD of 50mm side has its corner A in the H.P., its diagonal AC inclined at 30° to the H.P. and the Diagonal BD inclined at 45° to the V.P. and parallel to the H.P. draw its Projections

5.A pentagonal pyramid has its base on the H.P. and the edge of the base nearer the V.P., parallel to it. A vertical section plane, inclined at 45° to the V.P., cuts the pyramid at a distance of 6mm from the axis. Draw the top view, sectional front view and the true shape of the section. Base of the pyramid 30 mm side; axis 50 mm long

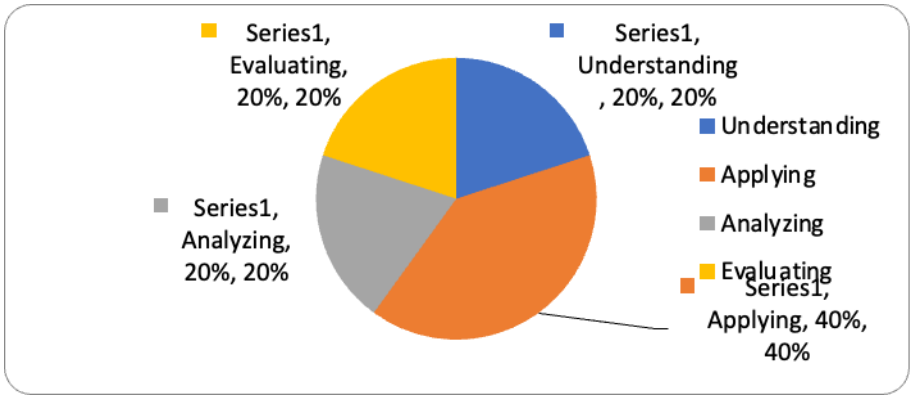
CO MAPPING FOR ASSIGNMENT-I

Question no.	Course outcome mapping	Bloom's Taxonomy level mapping
1	C115.1	L3- Applying
2	C115.1	L2- Understanding
3	C115.2	L4- Analyzing

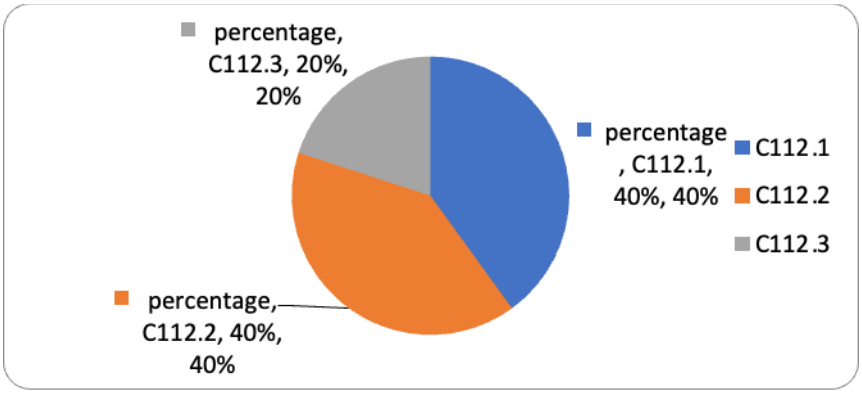
4	C115.2	L3- Applying
5	C115.3	L5- Evaluating

Understanding: 3M (20%)/ Applying: 6M (40%)/ Evaluating: 3M (20%); Analyzing: 3M(20)

Understanding	20%
Applying	40%
Analyzing	20%
Evaluating	20%



Course Outcome	percentage
C115.1	40%
C115.2	40%
C115.3	20%



Assignment – II

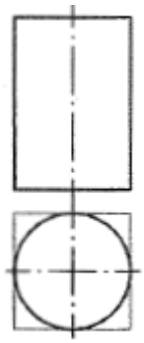
1.A pentagonal pyramid of base 30mm side and axis 60mm long has its apex in V.P. and the axis perpendicular to V.P., a corner of the base is resting on the ground and the side of the base contained by the corner is inclined at 30° to the ground. Draw its projections.

2.Draw the development of the lateral surface of a square pyramid of base side 40

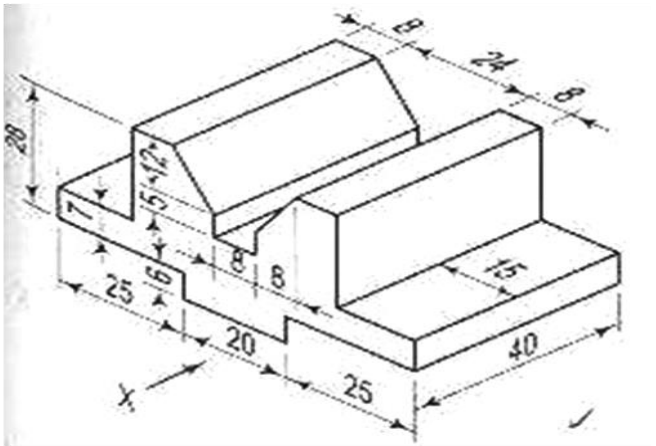
mm and axis 60 mm, resting on its base on the H.P. such that all the sides of the base are equally inclined to the V.P.

3. A vertical cylinder of 50 diameter, is penetrated by another cylinder of 35 diameter. The axes of the two cylinders are intersecting at right angle. Draw the projections of the two cylinders showing the curves of intersection.

4.Draw the isometric view of the cylinder shown in fig. base diameter 50mm and axis 60mm



5.Draw the front view, top view and the side view for the Object shown below.

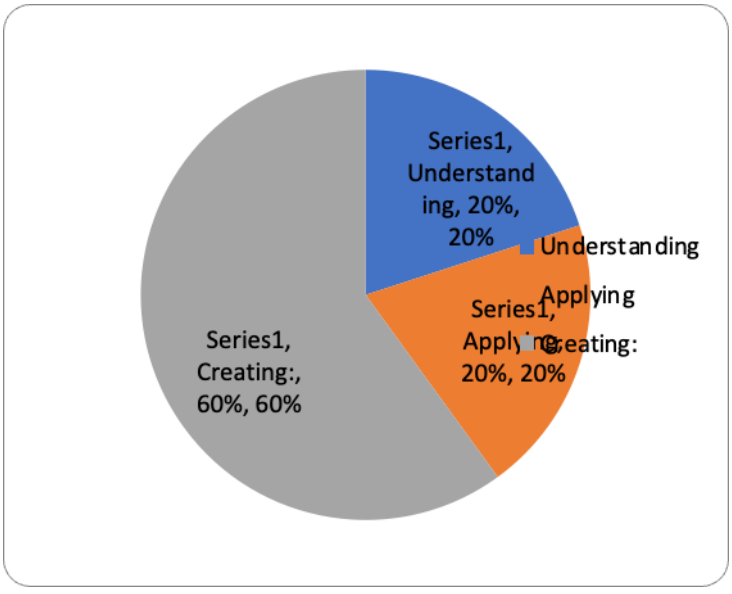


CO MAPPING FOR ASSIGNMENT-II

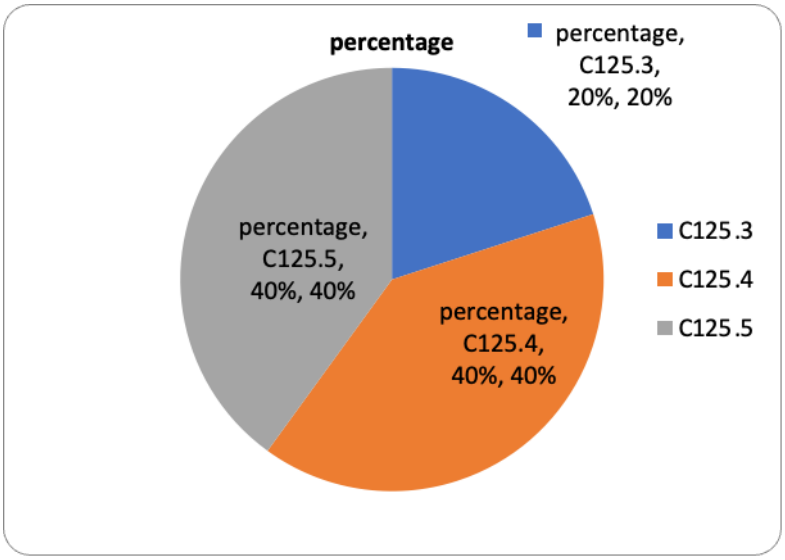
Question no.	Course outcome mapping	Bloom's Taxonomy level mapping
1	C115.3	L6- Creating
2	C115.4	L2 - Understanding
3	C115.4	L6- Creating
4	C115.5	L3-Applying
5	C115.5	L6- Creating

Understanding: 3M (20%)/ Applying: 3M (20%)/ : Creating: 9M (60%)

Understanding	20%
Applying	20%
Creating:	60%



Course Outcome	percentage
C125.3	20%
C125.4	40%
C125.5	40%



Faculty Signature

After 1st mid results the analysis made to identify the weak and advanced learners to assign different tasks.

The students who got < 60% of our mid or internal evaluation are identified as weak learners are identified/ for them **Remedial classes** were conducted.

S.No.	Student roll number
1	**22D41A0502**
2	**22D41A0504**
3	**22D41A0505**
4	**22D41A0507**
5	**22D41A0514**
6	**22D41A0515**
7	**22D41A0516**
8	**22D41A0517**
9	**22D41A0518**
10	**22D41A0526**
11	**22D41A0528**
12	**22D41A0530**
13	**22D41A0531**
14	**22D41A0532**
15	**22D41A0533**
16	**22D41A0534**
17	**22D41A0535**
18	**22D41A0536**
19	**22D41A0539**
20	**22D41A0540**
21	**22D41A0541**
22	**22D41A0542**
23	**22D41A0547**
24	**22D41A0552**
25	**22D41A0553**
26	**22D41A0555**
27	**22D41A0556**
28	**22D41A0558**
29	**22D41A0564**
30	**22D41A0565**
31	**22D41A0575**

32	**22D41A0578**
33	**22D41A0583**
34	**22D41A0587**
35	**22D41A0596**
36	**22D41A0597**
37	**22D41A0598**
38	**22D41A0599**
39	**22D41A05C0**
40	**22D41A05C4**
41	**22D41A05L3**

Faculty Signature

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Advance learners-seminar book: Internal marks above 30 the students are identified as the advanced learners. For them seminars / ppts / small project works were assigned.

S.No	Date	Roll. No.	Name of the Student	Seminar/PPT/project Topic name	Signature of the student	Remarks	Sign
1		**22D41A05A4**	KOKA HINDU				
2		**22D41A05A8**	KONDA MANASA				
3		**22D41A05B8**	LATTUPALLY AKSHITHA REDDY				
4		**22D41A05C5**	MAHEEN BEGUM				
5		**22D41A05E5**	MUDDAM MAHESH				
6		**22D41A05E6**	MUKKAMULA GANESH				
7		**22D41A05F3**	NALLA SAI KIRAN				
8		**22D41A05F4**	NALLAVOLU JASHWANTH REDDY				
9		**22D41A05F9**	NARSINGOJU DEEPTHI				
10		**22D41A05H0**	PALTHI SANDESH				
11		**22D41A05H4**	PANGA VANI				
12		**22D41A05H5**	PANTHAGANI SIDDHARTHA				
13		**22D41A05H6**	PANUGANTI ASHOK				

14		**22D41A05H9**	PEDDA SAI ANNA DIVYA				
15		**22D41A05J0**	PEDDIREDDY AMITHA REDDY				
16		**22D41A05J1**	PERALA LAL SATHYA				
17		**22D41A05J2**	PERALA SWETHA				
18		**22D41A05J3**	PILLY ASHWITHA				
19		**22D41A05J5**	POLAMPALLI NAVEEN				
20		**22D41A05J9**	POTHURAJU BHAVYASRI				
21		**22D41A05K0**	PUNYAMURTHY MEGHANA				
22		**22D41A05K1**	R DURGA BHAVANI				
23		**22D41A05K2**	RACHARLA SHREEHARSHITHA				
24		**22D41A05K7**	REDDY REDDY ANKITHA				
25		**22D41A05K8**	REHANA KHATOON				
26		**22D41A05L1**	RESHMA BEGUM				
27		**22D41A05L2**	SADALA VARSHITHA REDDY				
28		**22D41A05L5**	SANA BEGUM				
29		**22D41A05L6**	SANGANI SAI TEJA REDDY				
30		**22D41A05L8**	SEELA ANAND				
31		**22D41A05M2**	SHAIK KHALEEL				
32		**22D41A05M8**	SHIGIRI SAI CHANDANA				
33		**22D41A05N7**	THAISIN				
34		**22D41A05P1**	THUMMALAPALLY NEHA				

35		**22D41A05P5**	VADTHYA MOUNIKA				
36		**22D41A05P6**	VAISHNAVI THIGALA				
37		**22D41A05P9**	VEMUNURI PRATHYUSHA				
38		**22D41A05Q2**	YALLANKI VENKAT SHIVA GOUD				
39		**22D41A05Q3**	YANALA CHARAN REDDY				
40		**22D41A05Q4**	YATA BHAVYA				
41		**22D41A05Q5**	YEDLA SPOORTHY				
42		**22D41A05Q6**	YELGASKANPET SAI KOUSHIK				
43		**22D41A05Q8**	KEESARI BHAVANI REDDY				
44		**22D41A05R1**	R PRANAV YADAV				
45		**22D41A05R2**	CHILUKA RAGHAVENDRA				

Faculty Signature

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Department of Computer Science and Engineering

Course Outcome Assessment

Course : CSE AY: 2022-23

CLASS: I B.Tech SEM: I[st] Semester

S.NO	ROLL NO.	STUDENT NAME	Mid-1	Mid-2	END
1	22D41A0501	ADUDODLA KAVYA	19	28	35
2	22D41A0502	ALUKA JASHWANTH	12	28	22
3	22D41A0503	ANANTHALA AKSHITHA	25	32	57
4	22D41A0504	ANANTHULA YOUGENDHAR	12	27	36
5	22D41A0505	ANUGU TEJA SRI REDDY	12	14	15
6	22D41A0506	APURI AKHILA	25	29	40
7	22D41A0507	ARUKONDA MADHUKUMAR	10	18	25
8	22D41A0508	B ASHRITHA REDDY	17	25	35
9	22D41A0509	B RAKESH NAIK	23	26	47
10	22D41A0510	BADDELA KAVYA	18	25	42
11	22D41A0511	BADDIPADIGE DAYAKAR	26	33	38
12	22D41A0512	BADHAVATH KALYAN	26	33	51
13	22D41A0513	BAIKANI SATYA VARA PRASAD	17	32	38
14	22D41A0514	BAIRU NAVADEEP	3	18	34
15	22D41A0515	BAKARAM PRANEETH REDDY	9	15	27
16	22D41A0516	BALE BHUVANA TERISHA	9	20	8
17	22D41A0517	BANDARU GOPI	AB	13	25

18	22D41A0518	BANDARUPALLI RISHITHA	6	16	23
19	22D41A0519	BASWA ANUDEEP GOUD	15	26	28
20	22D41A0520	BATHULA POOJITHA	14	16	23
21	22D41A0521	BATHULA SRIKANTH	24	33	38
22	22D41A0522	BATTULA SAATWIK REDDY	25	22	33
23	22D41A0523	BEERAM SATHISH REDDY	26	33	55
24	22D41A0524	BIKUMANDLA ANUSHNA	25	33	52
25	22D41A0525	BISHAL NAG	15	19	16
26	22D41A0526	BODAPATI MADHURI PRIYA	12	22	29
27	22D41A0527	BODDU HARI PRASAD	22	28	49
28	22D41A0528	BOKKA AKHIL REDDY	9	23	39
29	22D41A0529	BOKKA SANTHOSHI REDDY	25	30	52
30	22D41A0530	BOKKA SASHI VARDHAN REDDY	12	13	24
31	22D41A0531	BOLLA NAGARAJU	5	22	2
32	22D41A0532	BOMMU SINDHUJA	10	21	23
33	22D41A0533	BONAGIRI AJAY VINCENT	11	23	25
34	22D41A0534	BONDHI DEEVAN	8	19	21
35	22D41A0535	BOYA GAGAN	12	23	49
36	22D41A0536	BOYAPALLY JEEVAN	8	21	34
37	22D41A0537	BUDIGAPAKA MANOJ KUMAR	15	21	23
38	22D41A0538	BURRI SIRI VENNALA	13	19	22
39	22D41A0539	BYROJU KAVYA SREE	12	24	33
40	22D41A0540	CHAGANTIPATI SAI SRI BHAVITHA	9	28	21
41	22D41A0541	CHANDAN SAIVIGNESH	7	23	23
42	22D41A0542	CHEKKA SAI RAM	5	18	22

43	22D41A0543	CHENAGONI DURGA BHAVANI	22	32	45
44	22D41A0544	CHENNOJU SUSHMA SWARAJ	22	30	39
45	22D41A0545	CHILUKA DIVYASREE	17	25	23
46	22D41A0546	CHINNAPALLY BALA KRISHNA	20	22	27
47	22D41A0547	CHINTAM PURNA CHANDRA REDDY	4	18	23
48	22D41A0548	CHINTHAKINDI AKSHITHA	18	30	25
49	22D41A0549	CHITHALOORI LAXMI NARASIMHA	20	33	45
50	22D41A0550	CICETTY VAISHNAVI	13	24	25
51	22D41A0551	DANAGOLLA SHIVA SHANKAR	14	21	37
52	22D41A0552	DANDE MITHIN	6	22	28
53	22D41A0553	DANDU SHASHANK REDDY	7	27	21
54	22D41A0554	DAPPILI HARSHITH REDDY	16	27	35
55	22D41A0555	DASIKA SRI VENU GOPALA KRISHNA MURTHY	9	29	23
56	22D41A0556	DESHAPAGA CHANDU	4	17	6
57	22D41A0557	DEVUDU SAI SIRISHA	16	19	26
58	22D41A0558	DEVULAPALLY DHANUNJAY GOUD	9	17	10
59	22D41A0559	DHANAVATH VARSHA	17	31	24
60	22D41A0560	DHARAVATH AKHILA	25	26	42
61	22D41A0561	DHONURI MADHUMATHI	24	24	30
62	22D41A0562	DOMMETI NAVYA	14	27	40
63	22D41A0563	DONDA RISHIKA	22	27	33
64	22D41A0564	EARLAPALLY SOHANA	12	13	16
65	22D41A0565	ELAKANTI NARESH	12	21	42
66	22D41A0566	ERROLLA AKHILESH	16	0	AB

67	22D41A0567	ERROLLA RUCHITHA	13	27	38
68	22D41A0568	ERUKALA VAISHNAVI GOUD	16	26	40
69	22D41A0569	ETIKALA VISHNUVARDHAN	14	11	23
70	22D41A0570	G NARENDHAR	20	21	22
71	22D41A0571	GADDAM AKSHARA	18	22	28
72	22D41A0572	GADDAM GOUTHAM REDDY	20	27	47
73	22D41A0573	GADE BHARGAVI	22	26	43
74	22D41A0574	GALI NIHARIKA	25	30	37
75	22D41A0575	GANTELA PRAVEEN	5	0	AB
76	22D41A0576	GOPANABOYINA LOKESH	13	27	48
77	22D41A0577	Goskonda sujith reddy	26	31	52
78	22D41A0578	GOVINDU RAVI TEJA	6	17	22
79	22D41A0579	GUDUR AKSHAYA REDDY	13	16	15
80	22D41A0580	GUNJI DIVYA	21	29	32
81	22D41A0581	GUNTI HANIRUDHVIKA	13	22	23
82	22D41A0582	GUNTUKA MAHESH CHANDRA	13	19	21
83	22D41A0583	GURJIGALLA MUNI PRASAD	11	19	25
84	22D41A0584	GURRAM AMANI	19	24	39
85	22D41A0585	GUTTI VIGNESHWAR REDDY	19	31	39
86	22D41A0586	J VAMSHI	19	23	31
87	22D41A0587	JAMMA AJAY KUMAR	9	5	31
88	22D41A0588	JANAPATI SRILATHA	17	20	35
89	22D41A0589	JANJIRALA JANEELA	18	26	32
90	22D41A0590	JARPULA SRAVANI	18	28	32
91	22D41A0591	JATTA KARTHIK	26	31	48
92	22D41A0592	JIDUGU VENU MADHAV	26	26	28

93	22D41A0593	K AKHILA	17	22	29
94	22D41A0594	KALAMOLU ARJUN KUMAR	25	26	29
95	22D41A0595	KAMARAJUGADDA RAMCHARAN	26	28	43
96	22D41A0596	KANDHI SAI TEJA	12	24	31
97	22D41A0597	KARRE SIDDARTHA	12	29	28
98	22D41A0598	KASULA ABHISHEK REDDY	11	15	31
99	22D41A0599	KATRE PRATHAMESH	11	25	34
100	22D41A05A0	KESAPRAGADA HARSHITHA	22	28	29
101	22D41A05A1	KETHAVATH KIRAN	20	28	34
102	22D41A05A2	KODURU NANDINI	18	19	31
103	22D41A05A3	KOILAKONDA SOWMYA	19	20	27
104	22D41A05A4	KOKA HINDU	29	33	46
105	22D41A05A5	KOLAN AKHIL REDDY	13	26	23
106	22D41A05A6	KOMMU SHIVA KRISHNA	15	24	30
107	22D41A05A7	KOMMU TARUN	20	32	48
108	22D41A05A8	KONDA MANASA	27	32	46
109	22D41A05A9	KONDAGUDURU UPENDAR	16	25	43
110	22D41A05B0	KONDAKINDHI SAIKIRAN REDDY	22	27	27
111	22D41A05B1	KONDAMADUGU RAHUL CHARY	25	24	39
112	22D41A05B2	KONDRU DEEKSHITHA	18	28	31
113	22D41A05B3	KORIVI SIMHADRI	20	25	22
114	22D41A05B4	KUMBHAM PRASHANTH GOUD	13	23	35
115	22D41A05B5	KUNCHALA HARI KRISHNA	14	23	32
116	22D41A05B6	KURAKULA PUJITHA	21	30	44
117	22D41A05B7	LAKAMTHOTI THIRUMALA TEJA	18	23	34
118	22D41A05B8	LATTUPALLY AKSHITHA REDDY	27	32	48

119	22D41A05B9	LAVUDYA NITHIN NAYAK	25	32	52
120	22D41A05C0	LINGAMALLA NAGESHWARI	11	17	29
121	22D41A05C1	LINGARAPU DIVYA	22	27	29
122	22D41A05C2	M CHAYA PRASANNA	16	20	41
123	22D41A05C3	M SAMITH	25	27	32
124	22D41A05C4	MADIGELA RAHUL	12	15	21
125	22D41A05C5	MAHEEN BEGUM	30	26	49
126	22D41A05C6	MAINAMPATI BHAVANI	21	30	45
127	22D41A05C7	MALDODDI SAI DIVYA	20	23	36
128	22D41A05C8	MALE VIVEKANANDA REDDY	26	25	49
129	22D41A05C9	MANNEM VAMSHI	14	28	21
130	22D41A05D0	MARADANA SAI DHANUSH	13	25	25
131	22D41A05D1	MARAGANI CHAITHAN	16	25	27
132	22D41A05D2	MARAGANI VYSHNAVI	25	32	25
133	22D41A05D3	MARLA JHANSI	25	25	27
134	22D41A05D4	MARUTHI DIVYA	20	21	24
135	22D41A05D5	MEDARA VASU	23	27	22
136	22D41A05D6	MIRYALA RAVITEJA	23	26	21
137	22D41A05D7	MOHAMMAD JUNAID	20	19	39
138	22D41A05D8	MOHAMMAD KHALID	20	26	29
139	22D41A05D9	MOHAMMED ABDUL HUSSAIN	24	29	42
140	22D41A05E0	MOHAMMED FAIZAAN TOUQEER	16	22	22
141	22D41A05E1	MOLKAPURI SRAVAN KUMAR	26	32	33
142	22D41A05E2	MORISHETTI MANIRUPA	19	29	31
143	22D41A05E3	MUDAVATH MAHENDER	20	32	32
144	22D41A05E4	MUDDAM DEEKSHA GOUD	16	28	25

145	**22D41A05E5**	MUDDAM MAHESH	27	29	33
146	**22D41A05E6**	MUKKAMULA GANESH	27	32	29
147	**22D41A05E7**	MUKKAMULA SHIVA	25	29	44
148	**22D41A05E8**	MUKTHIPUDI CHINNARI	26	28	32
149	**22D41A05E9**	MUSKE SUDHARSHAN	18	24	25
150	**22D41A05F0**	NAKKA SAI DEEKSHITH	20	28	21
151	**22D41A05F1**	NAKKA SHALEM RAJU	15	26	23
152	**22D41A05F2**	NALABOLU ABHINAV REDDY	20	32	34
153	**22D41A05F3**	NALLA SAI KIRAN	27	32	34
154	**22D41A05F4**	NALLAVOLU JASHWANTH REDDY	27	32	41
155	**22D41A05F5**	NANDINI TERATI	24	28	43
156	**22D41A05F6**	NARALA KAVYA	24	28	23
157	**22D41A05F7**	NARAMDAS CHAITANYA	19	29	23
158	**22D41A05F8**	NAREDDY POOJITHA	17	26	28
159	**22D41A05F9**	NARSINGOJU DEEPTHI	27	31	38
160	**22D41A05G0**	NAVARU SAI LEKHANA	24	24	34
161	**22D41A05G1**	NAVVA LOKESH KUMAR	23	21	21
162	**22D41A05G2**	NELA PRANAY	14	24	22
163	**22D41A05G3**	NELAPUDI GREESHMA	23	31	25
164	**22D41A05G4**	NELLIKANTI LINGASWAMY	24	29	32
165	**22D41A05G5**	NENAVATH RAJENDAR	26	28	28
166	**22D41A05G6**	NENTA JAGAN	23	31	23
167	**22D41A05G7**	P NANDHINI	26	33	28
168	**22D41A05G8**	PABBATHI VAMSHI	23	27	22
169	**22D41A05G9**	PALLAM LISA VERONICA	15	25	25

170	**22D41A05H0**	PALTHI SANDESH	27	32	33
171	**22D41A05H1**	PALVAI NAVEEN KUMAR	26	29	38
172	**22D41A05H2**	PANDALA MANASA	22	30	23
173	**22D41A05H3**	PANGA SRINADH	23	29	36
174	**22D41A05H4**	PANGA VANI	28	32	40
175	**22D41A05H5**	PANTHAGANI SIDDHARTHA	27	33	39
176	**22D41A05H6**	PANUGANTI ASHOK	28	30	28
177	**22D41A05H7**	PARA GOPI	22	31	24
178	**22D41A05H8**	PATI NIVEDHITHA REDDY	22	26	21
179	**22D41A05H9**	PEDDA SAI ANNA DIVYA	28	32	41
180	**22D41A05J0**	PEDDIREDDY AMITHA REDDY	28	32	38
181	**22D41A05J1**	PERALA LAL SATHYA	27	32	35
182	**22D41A05J2**	PERALA SWETHA	28	32	44
183	**22D41A05J3**	PILLY ASHWITHA	27	32	44
184	**22D41A05J4**	POCHAMREDDY LAXMI NARASIMHA REDDY	19	27	23
185	**22D41A05J5**	POLAMPALLI NAVEEN	27	29	26
186	**22D41A05J6**	POLE PRAVEEN KUMAR	21	29	21
187	**22D41A05J7**	PONNALA VASUDEVA RAO	26	27	32
188	**22D41A05J8**	POOLA SHIVA SHANKAR	25	31	34
189	**22D41A05J9**	POTHURAJU BHAVYASRI	27	31	38
190	**22D41A05K0**	PUNYAMURTHY MEGHANA	28	32	38
191	**22D41A05K1**	R DURGA BHAVANI	28	32	38
192	**22D41A05K2**	RACHARLA SHREEHARSHITHA	28	32	44
193	**22D41A05K3**	RAMAVATH ANIL KUMAR	17	24	22
194	**22D41A05K4**	RAPOLU VISHNU VARDHAN	14	29	27

195	22D41A05K5	RASAMALLA ARAVIND KUMAR	14	25	23
196	22D41A05K6	REDDICHARLA AKHIL VARMA	25	32	27
197	22D41A05K7	REDDY REDDY ANKITHA	30	31	36
198	22D41A05K8	REHANA KHATOON	29	33	40
199	22D41A05K9	REKHA PAVAN	18	29	24
200	22D41A05L0	REKHA VENKATESH	22	29	28
201	22D41A05L1	RESHMA BEGUM	28	30	31
202	22D41A05L2	SADALA VARSHITHA REDDY	27	23	32
203	22D41A05L3	SAI VARSHITH VIRAT	10	15	21
204	22D41A05L4	SAMA NIHARIKA GOUD	23	27	37
205	22D41A05L5	SANA BEGUM	28	29	38
206	22D41A05L6	SANGANI SAI TEJA REDDY	27	29	31
207	22D41A05L7	Sarigundla parusharamulu	26	29	32
208	22D41A05L8	SEELA ANAND	29	29	41
209	22D41A05L9	SHAIK ANWAR PASHA	16	18	25
210	22D41A05M0	SHAIK ASIF	13	27	28
211	22D41A05M1	SHAIK DILAWAR	20	21	23
212	22D41A05M2	SHAIK KHALEEL	28	27	43
213	22D41A05M3	SHAIK SHAHEEN	25	30	35
214	22D41A05M4	SHEELA ARCHANA	18	30	35
215	22D41A05M5	SHEELAM NAGESH	22	24	24
216	22D41A05M6	SHEGURU CHANDRAKANTH REDDY	25	29	35
217	22D41A05M7	SHERI JASWITHA	26	29	22
218	22D41A05M8	SHIGIRI SAI CHANDANA	29	30	36
219	22D41A05M9	SRIPATHI CHARAN REDDY	17	19	26

220	22D41A05N0	SUDHAVENI RISHIK	23	27	37
221	22D41A05N1	SULTHAN SUSHMA	25	28	28
222	22D41A05N2	SUNKARI LOKESH VARMA	24	28	30
223	22D41A05N3	SURVI HARINI	26	28	25
224	22D41A05N4	SURYA PREMVARDHAN GOUD	21	30	31
225	22D41A05N5	TANNIRU ANUSHA	25	25	33
226	22D41A05N6	TELUGU INDU	22	30	25
227	22D41A05N7	THAISIN	28	25	34
228	22D41A05N8	THANGELLA RUPA	18	25	22
229	22D41A05N9	THENGELLAPALLI ABHINAV	13	18	21
230	22D41A05P0	THOKALA NAVATEJA	20	28	25
231	22D41A05P1	THUMMALAPALLY NEHA	28	32	31
232	22D41A05P2	UDUTHA GAYATHRI	25	25	30
233	22D41A05P3	UPPARA VIJAY KUMAR	22	28	31
234	22D41A05P4	V VASU KUMAR	24	33	41
235	22D41A05P5	VADTHYA MOUNIKA	29	30	30
236	22D41A05P6	VAISHNAVI THIGALA	29	30	28
237	22D41A05P7	VAKITI ANVESH	26	30	31
238	22D41A05P8	VANGALA ADITHYA REDDY	24	28	35
239	22D41A05P9	VEMUNURI PRATHYUSHA	29	33	39
240	22D41A05Q0	VUPPULA VINAY KUMAR REDDY	20	29	27
241	22D41A05Q1	YADAVELLI RAGHU CHARAN GOUD	23	29	34
242	22D41A05Q2	YALLANKI VENKAT SHIVA GOUD	29	33	40
243	22D41A05Q3	YANALA CHARAN REDDY	29	33	37
244	22D41A05Q4	YATA BHAVYA	29	32	39

245	22D41A05Q5	YEDLA SPOORTHY	29	33	29
246	22D41A05Q6	YELGASKANPET SAI KOUSHIK	29	31	47
247	22D41A05Q7	YOGANTI MANIKANTH GOUD	22	23	31
248	22D41A05Q8	KEESARI BHAVANI REDDY	29	32	35
249	22D41A05Q9	KUDUMULA SHASHANK YADAV	19	27	27
250	22D41A05R0	SHAIK AADIL HUSSAIN	18	23	24
251	22D41A05R1	R PRANAV YADAV	29	31	32
252	22D41A05R2	CHILUKA RAGHAVENDRA	27	31	22
253	22D41A05R3	BALAM LAKSHMAN	26	32	22
254	22D41A05R4	BUSSU RAMYA REDDY	26	31	30
255	22D41A05R5	VATTIPALLY SURYA TEJA REDDY	26	32	27
256	22D41A05R6	MUDAVATH SRI INDU	25	18	22
Students scored more than 60%marks			188	48	150
Total no. of students			256	256	254
% of Marks			30.7	31.5	62

FACULTY SIGNATURE