Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** — **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** — **L: 0**
8. **Program: B.Tech (CE)** — **T: 0**
9. **Target: 60%** — **P: 3**, **C: 2**

LABORATORY COURSE FILE CONTENTS

Check list Course Outcomes Attainment

S. No.	Contents	Available (Y/N/NA)	Date of Submission	Signature of HOD
1.	Authenticated Syllabus Copy	Y	08.04.2021	
2.	Individual Time Table	Y		
3.	Students' Name List (Approved Copy)	Y		
4.	Course Plan, PO, PSO, COs, CO-PO Mapping, COA Plan, Session Plan and Periodic Monitoring	Y		
5.	Rubrics for Assessment of Laboratory Experiments	Y		
6.	**Lab Manual / Lab Learning Materials** a) List of Experiments (Cycle I & Cycle II) b) Detailed Procedure for Experiments & Field Applications c) Viva-Voce Questions d) Smart Lab Experiments if any	Y		
7.	Dissemination of Syllabus and Course Plan to the Students	Y		
8.	**Continuous Assessment** A. Laboratory Observation B. Laboratory Records C. Evaluation Sheet with Rubrics D. Slow Learners List and Remedial Measures			
9.	Course End Survey (Indirect Assessment) & Consolidation			
10.	**End Term Examination** A. Question Paper B. Sample Answer Scripts (Best, Average, Poor) if available C. Evaluation Sheet with Rubrics D. Slow Learners List and Remedial Measures.			
11.	Content Beyond the Syllabus (Proof)			
12.	Innovative Teaching Tools Used			
13.	Consolidated Mark Statement			

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** — **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** — **L: 0**
8. **Program: B.Tech (CE)** — **T: 0**
9. **Target: 60%** — **P: 3**, **C: 2**

14.	CO Attainment (Continuous Assessment + End Term)			
15.	Gap Analysis & Remedial Measures			
16.	CO - PO Attainment			
17.	Class Record (Faculty Logbook)			

Signature of HOD/ Dean

Date:

Signature of Faculty

Date:

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** — **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** — **L: 0**
8. **Program: B.Tech (CE)** — **T: 0**
9. **Target: 60%** — **P: 3**, **C: 2**

Course Code CEE12001	**Course Name: EngineeringDrawing & CAD**	L	T	P	C
Version 1.0		0	0	3	2
Pre-requisites/Exposure					
Co-requisites					

Syllabus Copy

Course Objectives

1. To comprehend general projection theory, with an emphasis on the use of orthographic projection to represent three-dimensional objects in two-dimensional views.
2. To understand the application of industry standards and techniques applied in engineering drawing.
3. To apply auxiliary or sectional views to most practically represent engineered parts.
4. To Dimension and explain two-dimensional engineering drawings.
5. To employ freehand 3D pictorial sketching to aid in the visualization process and to efficiently communicate ideas graphically.

Course Content

Module 1 **Contact Hr. 9**

Introduction to Engineering Drawing covering, Principles of Engineering Graphics and their significance, usage of Drawing instruments, lettering, Conic sections including the Rectangular Hyperbola (General method only); Cycloid, Epicycloid, Hypocycloid and Involute; Scales – Plain, Diagonal and Vernier Scales.

Module 2 **Contact Hr. 9**

Orthographic Projections covering, Principles of Orthographic Projections Conventions - Projections of Points and lines inclined to both planes; Projections of planes inclined Planes - Auxiliary Planes.

Module 3 **Contact Hr. 8**

Projections of Regular Solids covering, those inclined to both the Planes- Auxiliary Views.

Module 4 **Contact Hr. 9**

Sections and Sectional Views of Right Angular Solids covering, Prism, Cylinder, Pyramid, Cone – Auxiliary Views; Development of surfaces of Right Regular Solids - Prism, Pyramid, Cylinder and Cone.

Module 5 **Contact Hr. 10**

Isometric Projections covering, Principles of Isometric projection – Isometric Scale, Isometric Views, Conventions; Isometric Views of lines, Planes, Simple and compound Solids; Conversion of Isometric Views to Orthographic Views and Vice-versa, Conventions

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** — **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** — **L: 0**
8. **Program: B.Tech (CE)** — **T: 0**
9. **Target: 60%** — **P: 3**, **C: 2**

Text Books:
1. Engineering Drawing, N. D. Bhat, Charotar Publishing House (2012).
2. Shah, M.B. & B.C. Rana (2008), Engineering Drawing and Computer Graphics, Pearson Education.

Reference Books:
Engineering Drawing & Graphics using Autocad, T. Jeyapoovan, Vikas Publishing House Pvt. Ltd.-Noida; Third edition (2010).

Web Resources:
https://nptel.ac.in/courses/112103019/

Journals:
Not Required for this Course

Faculty Individual Time Table

ADAMAS UNIVERSITY, KOLKATA								
SCHOOL OF								
DEPARTMENT OF								
Programme:								
Course Code & Course: Faculty Coordinator:								
Day & Time	**9:30 – 10:25**	**10:30 – 11:25**	**11:30 – 12:25**	**12:30 – 1:30**	**01:30 – 02:25**	**02:30 – 03:25**	**03:30 – 04:25**	**04:30 – 05:25**
Monday				LUNCH				
Tuesday								
Wednesday								
Thursday								
Friday								

Signature of HOD

Date:

Signature of Class Coordinator

Date:

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** — **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** — **L: 0**
8. **Program: B.Tech (CE)** — **T: 0**
9. **Target: 60%** — **P: 3**, **C: 2**

Students Name List

Roll Number	Registration Number	Name of the Student
UG/02/BTBIOME/2020/002	AU/2020/0004600	Ravi Lal
UG/02/BTBIOME/2020/008	AU/2020/0005281	Gaurav Gain
UG/02/BTBIOME/2020/003	AU/2020/0005498	Soumyadeep Samaddar
UG/02/BTCE/2020/002	AU/2020/0004463	Rohit Kumar Shit
UG/02/BTCSE/2020/032	AU/2020/0004540	Md Alnas Hossain
UG/02/BTCSE/2020/042	AU/2020/0004583	Arshad Raja
UG/02/BTCSE/2020/046	AU/2020/0004593	Hritik Kumar Dutta
UG/02/BTCSE/2020/012	AU/2020/0004472	Sougata Dutt
UG/02/BTCSE/2020/018	AU/2020/0004479	Protyush Kr Chatterjee
UG/02/BTCSE/2020/034	AU/2020/0004562	Soyata Saha
UG/02/BTCSE/2020/011	AU/2020/0004468	Prima Giri
UG/02/BTCSE/2020/022	AU/2020/0004494	Indranil Das
UG/02/BTCSE/2020/052	AU/2020/0005542	Anirban Roy
UG/02/BTCSE/2020/036	AU/2020/0004569	Nandini Roy
UG/02/BTCSEAIML/2020/009	AU/2020/0004563	Rohit kumar Roy
UG/02/BTCSEAIML/2020/013	AU/2020/0004578	Md Sohail Irfan
UG/02/BTECE/2020/002	AU/2020/0004486	Utsab Bose
UG/02/BTEE/2020/002	AU/2020/0004560	Arka Jyoti Das
UG/02/BTEE/2020/001	AU/2020/0004481	Saptarshi Bhattacharjee
UG/02/BTME/2020/001	AU/2020/0004471	Suman Hait
UG/02/BTME/2020/002	AU/2020/0004484	Koushik Ghosh
UG/02/BTME/2020/005	AU/2020/0004555	Reetam Mondal

Signature of HOD/Dean

Date:

Signature of Class Coordinator

Date:

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** — **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** — **L: 0**
8. **Program: B.Tech (CE)** — **T: 0**
9. **Target: 60%** — **P: 3**, **C: 2**

COURSE PLAN

Target	60% (marks)
Level-1	50% (population)
Level-2	60% (population)
Level-3	70% (population)

1. **Method of Evaluation**

   Continuous Assessment: 50%
   End Semester Examination: 50%

2. **Passing Criteria**

Scale	**UG**
Out of 10 Point Scale	CGPA – "5.00" Min. Individual Course Grade – "C" Passing Minimum – 35

3. **Pedagogy**
   - Direct Instruction
   - Kinesthetic Learning
   - Flipped Classroom
   - Differentiated Instruction
   - Expeditionary Learning
   - Inquiry Based Learning
4. **Topics introduced for the first time in the program through this course**
   - Not Applicable
5. **References:**

Text Books	Web resources	Journals	Reference books
2	1	NA	1

Signature of HOD/Dean — **Signature of Faculty**

Date: — **Date:**

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** — **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** — **L: 0**
8. **Program: B.Tech (CE)** — **T: 0**
9. **Target: 60%** — **P: 3**, **C: 2**

GUIDELINES TO STUDY THE SUBJECT

Instructions to Students:

1. Go through the 'Syllabus' in the LMS in order to find out the Reading List.
2. Get your schedule and try to pace your studies as close to the timeline as possible.
3. check your LMS regularly
4. Go through study material
5. Check mails and announcements on Virtual Class Chat box.
6. keep updated with the posts, assignments and examinations which shall be conducted on the blackboard
7. Be regular, so that you do not suffer in any way
8. C**ell Phones and other Electronic Communication Devices:** Cell phones and other electronic communication devices (such as Blackberries/Laptops) are not permitted in classes during Tests or the Mid/Final Examination. Such devices MUST be turned off in the class room.
9. **E-Mail and online learning tool:** Each student in the class should have an e-mail id and a pass word to access the LMS system regularly. Regularly, important information – Date of conducting class tests, guest lectures, via online learning tool. The best way to arrange meetings with us or ask specific questions is by email and prior appointment. All the assignments preferably should be uploaded on online learning tool. Various research papers/reference material will be mailed/uploaded on online learning platform time to time.
10. **Attendance:** Students are required to have minimum attendance of 75% in each subject. Students with less than said percentage shall NOT be allowed to appear in the end semester examination.

This much should be enough to get you organized and on your way to having a great semester! If you need us for anything, send your feedback through e-mail santanu.haldar@adamasuniversity.ac.in Please use an appropriate subject line to indicate your message details.

There will no doubt be many more activities in the coming weeks. So, to keep up to date with all the latest developments, please keep visiting this website regularly.

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** — **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** — **L: 0**
8. **Program: B.Tech (CE)** — **T: 0**
9. **Target: 60%** — **P: 3**, **C: 2**

RELATED OUTCOMES

1. **The expected outcomes of the Program are:**

PO1	**Engineering Knowledge:** Apply comprehensive knowledge of theories, concepts and principles for effective control and management of construction industry projects.
PO2	**Problem Analysis:** Identify and analyse the strategic importance of construction projects and its problems in the perspectives of client, context and constraints and obtain solution using mathematics, engineering and management principles.
PO3	**Design/Development of Solutions:** Planning, scheduling, and control of construction projects by managing resources and constraints with appropriate consideration for the public health and safety, and the cultural, societal, and economic 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 IT prediction and simulation tools for construction projects.
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.
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 or 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, and give and receive clear instructions.
PO11	**Project Management and Finance:** Create comprehensive understanding of the techniques associated with the management of resources and finance, assessment and management of risk and subsequent corporate governance as appropriate to a project manager operating in the construction industry.
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.

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** **L: 0**
8. **Program: B.Tech (CE)** **T: 0**
9. **Target: 60%** **P: 3**
C: 2

2. **The expected outcomes of the Specific Program are: (up to 3)**

PSO1	Competitive Examination Preparation
PSO2	Technical Competency

3. **The expected outcomes of the Course are: (minimum 4 and maximum 6)**

CO1	**Identify** the principle and significance of engineering drawing along with all the possible geometrical shapes.
CO2	**Infer** the principle and concept of projection of Points, Lines and Planes over Auxiliary Planes.
CO3	**Demonstrate** the principle and concept of Projection of Regular Solids.
CO4	**Illustrate** Sections and Sectional Views of Right Angular Solids and Regular Solids.
CO5	**Interpret** Isometric projection.

4. **Co-Relationship Matrix**
Indicate the relationships by 1- Slight (Low) 2- Moderate (Medium) 3-Substantial (High)

Program Outcomes / Course Outcomes	**PO 1**	PO 2	PO 3	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO10**	**PO11**	**PO12**	**PSO 1**	**PSO 2**
CO1	-	3	3	-	-	-	-	-	-	-	-	3	-	2
CO2	-	3	3	-	-	-	-	-	-	-	-	3	-	-
CO3	-	-	3	-	-	-	-	-	-	-	-	3	-	-
CO4	-	-	3	-	-	-	-	-	-	-	-	3	-	-
CO5	-	3	-	-	-	2	-	-	3	-	-	3	-	-
Average	**-**	**3**	**3**	**-**	**-**	**2**	**-**	**-**	**3**	**-**	**-**	**3**	**-**	**2**

5. **Course Outcomes Assessment Plan (COA):**

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** — **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** — **L: 0**
8. **Program: B.Tech (CE)** — **T: 0**
9. **Target: 60%** — **P: 3**, **C: 2**

Course Outcomes	Continuous Assessment* (50 Marks)		End Term Exam (50 Marks)	Total (100 Marks)
	Cycle I	Cycle II		
CO1	12	NA	8	20
CO2	13	NA	7	20
CO3	NA	9	11	20
CO4	NA	8	12	20
CO5	NA	8	12	20
Total	25	25	50	100

* Internal Assessment – Continuous Assessment

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** — **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** — **L: 0**
8. **Program: B.Tech (CE)** — **T: 0**
9. **Target: 60%** — **P: 3**, **C: 2**

OVERVIEW OF COURSE PLAN OF COURSE COVERAGE

Course Activities:

S. No.	Description	Planned			Actual			Remarks
		From	To	No. of Session	From	TO	No. of Session	
1.	Cycle I Experiments	07.04.2021	19.05.2021	21				
2.	Cycle II Experiments	19.05.2021	28.07.2021	30				

Total No. of Instructional periods available for the course: 30 Sessions (1 session = 1 Hr.)

Signature of HOD/Dean

Date:

Signature of Faculty

Date:

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** **L: 0**
8. **Program: B.Tech (CE)** **T: 0**
9. **Target: 60%** **P: 3**
C: 2

SESSION PLAN

Session Plan				Actual Delivery			
Exp.	Date	Topics to be Covered	CO Mapped	Exp.	Date	Topics Covered	CO Achieved
1	07.04.2021	Introduction to Engineering Drawing, Principles and significance of Engineering Graphics, Drawing instruments, lettering.	CO1				
2	21.04.2021	Scales – Plain, Diagonal and Vernier Scales.	CO1				
3	28.04.2021	Conic sections including the Rectangular Hyperbola (General method only); Cycloid, Epicycloid, Hypocycloid and Involute.	CO1				
4	05.05.2021	Orthographic Projections covering, Principles of Orthographic Projections Conventions - Projections of Points.	CO2				
5	12.05.2021	Problems on Projection of Points. Projection of lines inclined to both planes.	CO2				
6	19.05.2021	Projections of planes inclined Planes - Auxiliary Planes.	CO2				

Cycle I

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** **L: 0**
8. **Program: B.Tech (CE)** **T: 0**
9. **Target: 60%** **P: 3**
C: 2

SESSION PLAN
Cycle-II

Session Plan				Actual Delivery			
Exp.	Date	Topics to be Covered	CO Mapped	Exp.	Date	Topics Covered	CO Achieved
1	26.05.2021	Introduction: Projection of Regular Solids. Projection inclined to both the Planes- Auxiliary Views.	CO3				
2	02.06.2021	Projection of Regular Solids Problem Practice.	CO3				
3	09.06.2021	Viva Voce/ Class Test.	CO1. CO2, CO3				
4	16.06.2021	Introduction: Sections and Sectional Views of Right Angular Solids.	CO4				
5	23.06.2021	Right Angular Solids- Prism, Cylinder, Pyramid, Cone – Auxiliary Views.	CO4				
6	30.06.2021	Development of surfaces of Right Regular Solids - Prism, Pyramid, Cylinder and Cone.	CO4				
7	07.07.2021	Isometric Projections: Principles of Isometric projection – Isometric Scale, Isometric Views, Conventions.	CO5				
8	14.07.2021	Isometric Views of lines, Planes, Simple and compound Solids.	CO5				

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** **L: 0**
8. **Program: B.Tech (CE)** **T: 0**
9. **Target: 60%** **P: 3**
C: 2

Session Plan				Actual Delivery			
Exp.	Date	Topics to be Covered	CO Mapped	Exp.	Date	Topics Covered	CO Achieved
9	21.07.2021	Conversion of Isometric Views to Orthographic Views and Vice-versa, Conventions.	CO5				
10	28.07.2021	Viva Voce/ Class Test.	CO1 to CO5				

Remarks:

Signature of Faculty

Date:

Year: 1st
Semester: 2nd

6. Name of the Faculty: SANTANU HALDAR — Course Code: CEE12001
7. Course: Engineering Drawing and CAD — L: 0
8. Program: B.Tech (CE) — T: 0
9. Target: 60% — P: 3
C: 2

PERIODIC MONITORING

Attainment of the Course (Learning) Outcomes:

Components	Attainment level	Action Plan	Remarks
Cycle I Continuous Assessment	CO1:	Submission Target 13.05.2021	Assignment/Class Test covering Lettering, Scales, Construction of Conic Sections, Projection of Points, Lines and Planes.
	CO2:		
	CO3:		
	CO4:		
	CO5:		
Cycle II Continuous Assessment	CO1:		
	CO2:		
	CO3:	Submission Target 08.06.2021	Assignment covering Projection of Regular Solids.
	CO4:	Submission Target 06.07.2021	Assignment covering Projection of Right angular & Right regular solids.
	CO5:	Submission Target 27.07.2021	Assignment covering Isometric View of Solids and corresponding Orthographic views.
End Semester	CO1:		
	CO2:		
	CO3:		
	CO4:		
	CO5:		
Any Other	CO1:		
	CO2:		
	CO3:		
	CO4:		
	CO5:		

Signature of HOD/ Dean — Signature of Faculty

Date — Date

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** — **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** — **L: 0**
8. **Program: B.Tech (CE)** — **T: 0**
9. **Target: 60%** — **P: 3**, **C: 2**

Continuous Evaluation Sheet

Roll Number	Registration Number	Name of the Student	Continuous Assessment*										
			Cycle I (25)					Cycle II (25)					
			Ex 1	Ex 2	Ex 3	Ex 4	Ex 5	Ex 6	Ex 7	Ex 8	Ex 9	Ex 10	Total (50)
UG/02/BTBIOME/2020/002	AU/2020/0004600	Ravi Lal	5										
UG/02/BTBIOME/2020/008	AU/2020/0005281	Gaurav Gain	5										
UG/02/BTBIOME/2020/003	AU/2020/0005498	Soumyadeep Samaddar	5										
UG/02/BTCE/2020/002	AU/2020/0004463	Rohit Kumar Shit	5										
UG/02/BTCSE/2020/032	AU/2020/0004540	Md Alnas Hossain	5										
UG/02/BTCSE/2020/042	AU/2020/0004583	Arshad Raja	5										
UG/02/BTCSE/2020/046	AU/2020/0004593	Hritik Kumar Dutta	5										
UG/02/BTCSE/2020/012	AU/2020/0004472	Sougata Dutt	5										
UG/02/BTCSE/2020/018	AU/2020/0004479	Protyush Kr Chatterjee	5										
UG/02/BTCSE/2020/034	AU/2020/0004562	Soyata Saha	5										
UG/02/BTCSE/2020/011	AU/2020/0004468	Prima Giri	5										
UG/02/BTCSE/2020/022	AU/2020/0004494	Indranil Das	5										
UG/02/BTCSE/2020/052	AU/2020/0005542	Anirban Roy	5										
UG/02/BTCSE/2020/036	AU/2020/0004569	Nandini Roy	5										
UG/02/BTCSEAIML/2020/009	AU/2020/0004563	Rohit kumar Roy	5										
UG/02/BTCSEAIML/2020/013	AU/2020/0004578	Md Sohail Irfan	5										
UG/02/BTECE/2020/002	AU/2020/0004486	Utsab Bose	5										
UG/02/BTEE/2020/002	AU/2020/0004560	Arka Jyoti Das	5										

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** — **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** — **L: 0**
8. **Program: B.Tech (CE)** — **T: 0**
9. **Target: 60%** — **P: 3**, **C: 2**

UG/02/BTEE/2020/001	AU/2020/0004481	Saptarshi Bhattacharjee	5											
UG/02/BTME/2020/001	AU/2020/0004471	Suman Hait	5											
UG/02/BTME/2020/002	AU/2020/0004484	Koushik Ghosh	5											
UG/02/BTME/2020/005	AU/2020/0004555	Reetam Mondal	5											

***Depends on Number of Experiments Divide the Total Marks and Prepare Rubrics for Evaluating Experiments**

Signature of HOD/Dean — **Signature of Faculty**

Date: — **Date:**

Planning for Remedial Classes

Sl. No.	Name of Student	Roll No.	Reg. No.	Mid Sem Marks	Remedial Classes Held							Retest on the basis of Remedial Classes	End Sem Marks	Improvement (Y/N)
					Date									
					Venue									
					Time									
1.														
2.														

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** — **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** — **L: 0**
8. **Program: B.Tech (CE)** — **T: 0**
9. **Target: 60%** — **P: 3**, **C: 2**

Signature of HOD/ Dean — **Signature of Faculty**

Date: — **Date:**

COURSE END SURVEY

INDIRECT ASSESSMENT

Sample format for Indirect Assessment of Course outcomes:

NAME:
ROLL NO.:
REG. NO..:
COURSE:
PROGRAM:

Please rate the following aspects of course outcomes of

Use the scale 1-5 (Poor – Excellent) *

Course Outcomes	Statement	1	2	3	4	5

Year: 1st
Semester: 2nd

6. Name of the Faculty: SANTANU HALDAR — Course Code: CEE12001
7. Course: Engineering Drawing and CAD — L: 0
8. Program: B.Tech (CE) — T: 0
9. Target: 60% — P: 3
C: 2

CO1						
CO2						
CO3						
CO4						
CO5						

INDIRECT ASSESSMENT CONSOLIDATION

ADAMAS UNIVERSITY, KOLKATA
SCHOOL OF
DEPARTMENT OF
CO Indirect Assessment

Programme: **Academic Year:2020-21**
Batch: 2020-22

Course Code & Name:

Course Outcome	Students Feed Back (5)	Attainment (100)
CO1		
CO2		
CO3		
CO4		
CO5		
etc.		

Year: 1st
Semester: 2nd

6. Name of the Faculty: SANTANU HALDAR
7. Course: Engineering Drawing and CAD
8. Program: B.Tech (CE)
9. Target: 60%

Course Code: CEE12001
L: 0
T: 0
P: 3
C: 2

Signature of HOD/Dean Date:	Signature of Faculty Date:

Evaluation Sheet (End Semester)

Roll Number	Registration Number	Name of the Student	Marks (50)

Signature of HOD/Dean

Date:

Signature of Faculty

Date:

Year: 1st
Semester: 2nd

6. Name of the Faculty: SANTANU HALDAR — Course Code: CEE12001
7. Course: Engineering Drawing and CAD — L: 0
8. Program: B.Tech (CE) — T: 0
9. Target: 60% — P: 3
C: 2

Planning for Remedial Classes – End Semester

Sl. No.	Name of Student	Roll No.	Reg. No.	End Sem Marks	Remedial Classes Held							Retest on the basis of Remedial Classes	Supple Exam Marks	Improvement (Y/N)
					Date									
					Venue									
					Time									
1.														

Year: 1st
Semester: 2nd

6. Name of the Faculty: SANTANU HALDAR
7. Course: Engineering Drawing and CAD
8. Program: B.Tech (CE)
9. Target: 60%

Course Code: CEE12001
L: 0
T: 0
P: 3
C: 2

2.														

Signature of HOD/ Dean

Date

Signature of Faculty

Date

Consolidated Mark Statement

Roll Number	Registration Number	Name of the Student	Marks			
			Continuous Assessment (50)		End Semester (50)	Total (100)
			Cycle I (25)	Cycle II (25)		

Signature of Dean/HOD

Signature of Faculty

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** — **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** — **L: 0**
8. **Program: B.Tech (CE)** — **T: 0**
9. **Target: 60%** — **P: 3**, **C: 2**

Date: **Date:**

Year: 1st
Semester: 2nd

6. Name of the Faculty: SANTANU HALDAR — Course Code: CEE12001
7. Course: Engineering Drawing and CAD — L: 0
8. Program: B.Tech (CE) — T: 0
9. Target: 60% — P: 3
C: 2

CO ATTAINMENT – GAP ANALYSIS & REMEDIAL MEASURES

ADAMAS UNIVERSITY, KOLKATA
SCHOOL OF ENGINEERING &TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
CO ATTAINMENT - GAP ANALYSIS & REMEDIAL MEASURES

Batch :	2020-22		Academic Year: 2020-21
Course Code & Name		Name of the Coordinator	Year & Semester
CEE12001- Engineering Drawing &CAD		Santanu Haldar	I & II

CO	Direct Assessment	Indirect Assessment	CO Attainment	Target	CO Attainment Gaps	Action for Bridge the Gap	Target Modification
CO1							
CO2							
CO3							
CO4							
CO5							

Signature of HOD/Dean — **Signature of Faculty**

Date: — **Date:**

Year: 1st
Semester: 2nd

6. Name of the Faculty: SANTANU HALDAR
7. Course: Engineering Drawing and CAD
8. Program: B.Tech (CE)
9. Target: 60%

Course Code: CEE12001
L: 0
T: 0
P: 3
C: 2

CO-PO ATTAINMENT

ADAMAS UNIVERSITY, KOLKATA
SCHOOL OF
DEPARTMENT OF
CO-PO ATTAINMENT

Programme :	Year & Sem: I & I	Academic Year: 2020-21	Batch:2020-22

Course Code	Course Name	CO-PO	PO 1	PO 2	PO 3	PO4	PO5	PO6	PO 7	PO8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
		Relationship															
		Mapping Value															
		Attainment															

Signature of HOD/Dean

Date:

Signature of Faculty

Date:

Year: 1st
Semester: 2nd

6. Name of the Faculty: SANTANU HALDAR — Course Code: CEE12001
7. Course: Engineering Drawing and CAD — L: 0
8. Program: B.Tech (CE) — T: 0
9. Target: 60% — P: 3
C: 2

PO ATTAINMENT OF THE COURSE

Signature of HOD/Dean

Date:

Signature of Faculty

Date:

Year: 1st
Semester: 2nd

6. **Name of the Faculty: SANTANU HALDAR** — **Course Code: CEE12001**
7. **Course: Engineering Drawing and CAD** — **L: 0**
8. **Program: B.Tech (CE)** — **T: 0**
9. **Target: 60%** — **P: 3**
C: 2

INSTRUCTIONS FOR FACULTY

Instructions for Faculty

- Faculty should keep track of the students with low attendance and counsel them regularly.
- Course coordinator will arrange to communicate the short attendance (as per University policy) cases to the students and their parents monthly.
- Experiment covered in each lab should be recorded in the table of RECORD OF CLASS TEACHING (Suggested Format).
- Internal assessment marks should be communicated to the students twice in a semester.
- The file will be audited by respective Academic Monitoring and Review Committee (AMRC) members for theory as well as for lab as per AMRC schedule.
- The faculty is required to maintain these files for a period of at least three years.
- This register should be handed over to the head of department, whenever the faculty member goes on long leave or leaves the Colleges/University.
- For labs, continuous evaluation format (break-up given in the guidelines for result preparation in the same file) should be followed.
- Department should monitor the actual execution of the components of continuous lab evaluation regularly.
- Instructor should maintain record of experiments conducted by the students in the lab weekly.
- Instructor should promote students for self-study and to make concept diary, due weightage in the internal should be given under faculty assessment for the same.
- Course outcome assessment: To assess the fulfilment of course outcomes two different approaches have been decided. Degree of fulfillment of course outcomes will be assessed in different ways through direct assessment and indirect assessment. In Direct Assessment, it is measured through quizzes, tests, assignment, Mid-term and/or End-term examinations. It is suggested that each examination is designed in such a way that it can address one or two outcomes (depending upon the course completion). Indirect assessment is done through the student survey which needs to be designed by the faculty (sample format is given below) and it shall be conducted towards the end of course completion. The evaluation of the achievement of the Course Outcomes shall be done by analyzing the inputs received through Direct and Indirect Assessments and then corrective actions suggested for further improvement.
- **Submission Targets of Course Contents:**
  - **S. No. 1 to 7 : Before Starting the Course**
  - **S. No. 8 & 9 : After Mid Semester Examination**
  - **S. No. 10 to 13 : Immediately After End Semester Examination**
  - **S. No. 14 to 17 : After Declaration of Result of the Course**