ADAMAS UNIVERSITY

PURSUE EXCELLENCE

KOLKATA

SCHOOL OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

B.Tech. in Engineering Workshop

Course File (Lab)

Course Code: MEE12001

Course Coordinator: Mr. Soumya Ghosh
Ms. Soodipa Chakraborty

1. Name of the Faculty: Mr. Soumya Ghosh & Ms. Soodipa Chakraborty
2. Course : Engineering Workshop
3. Program : B. Tech
4. Target : 60%

Year: 2020-21
Semester: I

Course Code:MEE12001
L: 0
T: 0
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	05.09.2020	
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	N		
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	Y		
7.	Dissemination of Syllabus and Course Plan to the Students	N		
8.	**Continuous Assessment** A. Laboratory Observation B. Laboratory Records C. Evaluation Sheet with Rubrics D. Slow Learners List and Remedial Measures	Y	28.03.2021	
9.	Course End Survey (Indirect Assessment) & Consolidation	Y		
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.	Y	19.02.2021	
11.	Content Beyond the Syllabus (Proof)	N	28.03.2021	
12.	Innovative Teaching Tools Used	N		
13.	Consolidated Mark Statement	Y		
14.	CO Attainment (Continuous Assessment + End Term)	Y	28.03.2021	

Year: 2020-21
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15.	Gap Analysis & Remedial Measures	Y	28.03.2021	
16.	CO - PO Attainment	Y	28.03.2021	
17.	Class Record (Faculty Logbook)	Y	NA	

Signature of HOD/ Dean

Date:

Signature of Faculty

Date:

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MEE12001	Engineering Workshop	L	T	P	C
Version 1.0		0	0	3	2
Pre-requisites/Exposure	12th level Physics, Engineering Mechanics				
Co-requisites	--				

Syllabus Copy

Course Objectives

1. To develop a skill in dignity of labour, precision, safety at work place, team working and development of right attitude.
2. To acquire skills in basic engineering practice
3. To identify the hand tools and instruments
4. To gain measuring skills
5. To develop general machining skills in the students

Course Content

List of experiments

1. To make a single piece pattern from the given work piece and dimensions.
2. To make a double piece match pattern from the given dimensions.
3. To make a single piece cylindrical (solid) pattern from the given dimensions.
4. To make a cone from sheet metal as per given dimensions.
5. To make a frustum from sheet metal as per given dimensions.
6. To prepare a sand mold, given the single piece pattern and casting.
7. To prepare a sand mold, given the double piece match pattern and casting with different dimensions and shape
8. To make a square fitting from the given mild steel piece and the dimensions.
9. To make a square fitting from the given mild steel piece and the dimensions.
10. To make a single 'V' butt joint between two metal plates by using ARC welding.
11. To make a square butt joint between metal plates by using gas welding.
12. To perform various types of machining operations (cantering, facing and turning) on a given mild steel rod followed by the given dimensions.
13. To perform various types of machining operations (chamfering, grooving, thread cutting, and knurling) on a given mild steel rod followed by the given dimensions.

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Text Books:

1. Workshop Tehnology by Hajra & Choudhury (Vol:II)
2. Mechanical Workshop Practice by K.C.John

Reference Books:

1. Workshop Technology by S.K.Garg, 3rd edition, L.P

List of Major Equipment / Materials

i. Centre Lathe
ii. Shaper Machine
iii. Drilling Machine
iv. Bench Vice
v. Marking & Measuring Tools
vi. Gas Welding Machine
vii. Arc Welding Machine

Learning Websites

LW1 https://onlinecourses.nptel.ac.in/
LW2 www.ocw.mit.edu

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Faculty Individual Time Table

ADAMAS UNIVERSITY, KOLKATA

SCHOOL OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

Programme: B. TECH

Course Code & Course: MEE12001 & Engineering workshop

Faculty Coordinator: Mr. Soumya Ghosh & Ms. Soodipa Chakraborty

DAY & TIME	09:30-10:25	10:30-11:25	11:30-12:25	12:30-13:30	13:30-14:25	14:30-15:25	15:30-16:25	16:30-17:25
Monday								
Tuesday								
Wednesday	EW LAB (MEE12001)							
Thursday								
Friday					EW LAB (MEE12001)			

Signature of HOD **Signature of Class Coordinator**

Date: **Date:**

1. Name of the Faculty: Mr. Soumya Ghosh & Ms. Soodipa Chakraborty
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Year: 2020-21
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Course Code:MEE12001
L: 0
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Students Name List

Roll Number	Registration Number	Full Name
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/BTBIOME/2020/004	AU/2020/0005499	Spandan Bhattachaarya
UG/02/BTCE/2020/003	AU/2020/0004536	Arjya Das
UG/02/BTCE/2020/002	AU/2020/0004463	Rohit Kumar Shit
UG/02/BTCSE/2020/002	AU/2020/0004275	Sunanda Jana
UG/02/BTCSE/2020/009	AU/2020/0004466	Ritushna Roy
UG/02/BTCSE/2020/032	AU/2020/0004540	Md Alnas Hossain
UG/02/BTCSE/2020/035	AU/2020/0004565	Nikhil Kumar Jha
UG/02/BTCSE/2020/041	AU/2020/0004580	Raja Banik
UG/02/BTCSE/2020/042	AU/2020/0004583	Arshad Raja
UG/02/BTCSE/2020/046	AU/2020/0004593	Hritik Kumar Dutta
UG/02/BTCSE/2020/047	AU/2020/0004596	Shiuli Mahata
UG/02/BTCSE/2020/012	AU/2020/0004472	Sougata Dutta
UG/02/BTCSE/2020/018	AU/2020/0004479	Protyush Kr Chatterjee
UG/02/BTCSE/2020/033	AU/2020/0004549	Vivek Raj
UG/02/BTCSE/2020/034	AU/2020/0004562	Soyata Saha
UG/02/BTCSE/2020/003	AU/2020/0004276	Supratim Tarun Nath
UG/02/BTCSE/2020/027	AU/2020/0004529	Atanu Pramanick
UG/02/BTCSE/2020/028	AU/2020/0004530	Ayan Kumar Das
UG/02/BTCSE/2020/007	AU/2020/0004462	Suraj Majumder
UG/02/BTCSE/2020/011	AU/2020/0004468	Prima Giri
UG/02/BTCSE/2020/004	AU/2020/0004451	Abhipsit Bhattacharjee
UG/02/BTCSE/2020/008	AU/2020/0004464	Arkadeep Chatterjee
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/BTCSE/2020/001	AU/2020/0004250	Alok Dutta
UG/02/BTCSEAIML/2020/006	AU/2020/0004557	Soumyadwip Maity
UG/02/BTCSEAIML/2020/009	AU/2020/0004563	Rohit Kumar Roy
UG/02/BTCSEAIML/2020/013	AU/2020/0004578	Md Sohail Irfan
UG/02/BTCSEAIML/2020/011	AU/2020/0004572	Subarna Bhowmik
UG/02/BTCSEAIML/2020/015	AU/2020/0004588	Chandrachur Majhi

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UG/02/BTCSECSF/2020/006	AU/2020/0004587	Sabyasachi Paul
UG/02/BTECE/2020/001	AU/2020/0004465	Arya Paul
UG/02/BTECE/2020/002	AU/2020/0004486	Utsab Bose
UG/02/BTECE/2020/004	AU/2020/0004566	Rohit Raj Halder
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
UG/02/BTME/2020/004	AU/2020/0004495	Rakesh Kumar Mozumder

Signature of HOD/Dean

Date:

Signature of Class Coordinator

Date:

Year: 2020-21
Semester: I

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COURSE PLAN

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

1. Method of Evaluation

UG
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
- Game Based Learning
- Personalized Learning

4. Topics introduced for the first time in the program through this course

- (New Experiments Introduced & Content Beyond Syllabus)

5. References:

Text Books	Web resources	Journals	Reference books
2	2	0	1

Signature of HOD/Dean

Date:

Signature of Faculty

Date:

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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. Get your on-line Smart Lab videos section. Make sure you use them during this course.
4. check your LMS regularly
5. go through study material
6. check mails and announcements on blackboard
7. keep updated with the posts, assignments and examinations which shall be conducted on the blackboard
8. Be regular, so that you do not suffer in any way
9. 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.
10. **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.
11. **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 soumya.ghosh@adamasuniversity.ac.in and soodipa.chakraborty@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.

Name of the Faculty: Mr. Soumya Ghosh & Ms. Soodipa Chakraborty

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L: 0

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RELATED OUTCOMES

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

PO1	**Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	**Problem Analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	**Design/Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	**Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	**Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
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 and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	**Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	**Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	**Life-long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

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2. The expected outcomes of the Specific Program are: (upto 3)

PSO1	Plan the manufacturing of given mechanical components and systems using engineering analysis & design tools, process planning and modern manufacturing methods
PSO2	Understand the dynamics of machine components and design components including power transmission, pressure vessels, IC engine components
PSO3	Determine the performance of thermal and fluid systems including IC engines, refrigeration and air-conditioning, and power generating systems

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

CO1	Demonstrate the basic operations in pattern and mould making
CO2	Perform different metal fitting works
CO3	Perform basic forging and welding works
CO4	Understand the operations of machine tools
CO5	Select the appropriate tools required for specific operation
CO6	Comprehend the safety measures required to be taken while using the too

4. Co-Relationship Matrix

Indicate the relationships by1- Slight (Low) 2- Moderate (Medium) 3-Substantial (High)

Program Outcomes / Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	1	-	-	-	-	-	-	3	-	-	-	3	-	-
CO2	3	-	-	-	-	-	-	-	3	-	-	-	3	-	-
CO3	3	-	-	-	-	-	-	-	3	-	-	-	3	-	-
CO4	3	1	-	-	-	-	-	-	3	-	-	-	3	-	-
CO5	3	-	-	-	-	-	-	-	3	-	-	-	3	-	-

CO6	3	-	-	-	-	-	-	-		-	-	-	**3**	-	-
Average	**3**	**0.3**	**-**	**-**	**-**	**-**	**-**	**-**	**2.5**	**-**	**-**	**-**	**3**	**-**	**-**

5. Course Outcomes Assessment Plan (COA):

Course Outcomes	Continuous Assessment* (50 Marks)		End Term Exam (50 Marks)	Total (100 Marks)
	Cycle I	Cycle II		
CO1	7	NA	9	16
CO2	8	NA	8	16
CO3	5	4	7	16
CO4	5	5	10	20
CO5	NA	7	9	16
CO6	NA	9	7	16
Total	25	25	50	100

* Internal Assessment –Continuous Assessment

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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	02.09.2020	04.11.2020	14	02.09.2020	04.11.2020	14	Course completed as planned
2.	Cycle II Experiments	06.11.2020	10.02.2021	12	06.11.2020	10.02.2021	12	Course completed as planned

Total No. of Instructional periods available for the course: 28 Sessions

Signature of HOD/Dean

Date:

Signature of Faculty

Date:

Year:
2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE120
01 L: 0
T: 0
P: 3
C: 2

SESSION PLAN

Cycle-I

Session Plan				Actual Delivery			
Exp.	Date	Topics to be Covered	CO Mapped	Exp.	Date	Topics Covered	CO Achieved
1	02.09.2020	To make a single piece pattern from the given work piece and dimensions.	CO1	1	02.09.2020	To make a single piece pattern from the given work piece and dimensions.	CO1
2	09.09.2020	To make a double piece match pattern from the given dimensions.	CO1	2	09.09.2020	To make a double piece match pattern from the given dimensions.	CO1
3	16.09.2020	To make a single piece cylindrical (solid) pattern from the given dimensions.	CO1	3	16.09.2020	To make a single piece cylindrical (solid) pattern from the given dimensions.	CO1
4	23.09.2020	To make a cone from sheet metal as per given dimensions.	CO2	4	23.09.2020	To make a cone from sheet metal as per given dimensions.	CO2
5	30.09.2020	To make a frustum from sheet metal as per given dimensions.	CO2	5	30.09.2020	To make a frustum from sheet metal as per given dimensions.	CO2
6	07.10.2020	To prepare a sand mold, given the single piece pattern and casting.	CO3	6	07.10.2020	To prepare a sand mold, given the single piece pattern and casting.	CO3

Year:
2020-21
Semester: I

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Course Code:MEE120
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7	14.10.2020	To prepare a sand mold, given the double piece match pattern and casting with different dimensions and shape	CO4	7	14.10.2020	To prepare a sand mold, given the double piece match pattern and casting with different dimensions and shape	CO4

Remarks:

Signature of Faculty

Date:

Year:
2020-21
Semester: I

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Course Code:MEE120
01 L: 0
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SESSION PLAN

Cycle-II

Session Plan				Actual Delivery			
Exp.	Date	Topics to be Covered	CO Mapped	Exp.	Date	Topics Covered	CO Achieved
1	06.11.2020	To make a square fitting from the given mild steel piece and the dimensions.	CO3	1	06.11.2020	To make a square fitting from the given mild steel piece and the dimensions.	CO3
2	27.11.2020	To make a square fitting from the given mild steel piece and the dimensions.	CO4	2	27.11.2020	To make a square fitting from the given mild steel piece and the dimensions.	CO4
3	29.01.2021	To make a single 'V' butt joint between two metal plates by using ARC welding	CO5	3	29.01.2021	To make a single 'V' butt joint between two metal plates by using ARC welding	CO5
4	06.01.2021	To make a square butt joint between metal plates by using gas welding.	CO5	4	06.01.2021	To make a square butt joint between metal plates by using gas welding.	CO5
5	03.02.2021	To perform various types of machining operations (cantering, facing and turning) on a given mild steel rod followed by the given dimensions.	CO5	5	03.02.2021	To perform various types of machining operations (cantering, facing and turning) on a given mild steel rod followed by the given dimensions.	CO5

Year:
2020-21
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6	10.02.2021	To perform various types of machining operations (chamfering, grooving, thread cutting, and knurling) on a given mild steel rod followed by the given dimensions.	CO6	6	10.02.2021	To perform various types of machining operations (chamfering, grooving, thread cutting, and knurling) on a given mild steel rod followed by the given dimensions.	CO6

Remarks:

Signature of Faculty

Date:

Year: 2020-21
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01 L: 0
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PERIODIC MONITORING

Attainment of the Course (Learning) Outcomes:

Components	Attainment level	Action Plan	Remarks
Cycle I Continuous Assessment	CO1:	Viva conducted	
	CO2:		
	CO3:		
	CO4:		
	CO5:		
	CO6:		
Cycle II Continuous Assessment	CO1:	Open forum discussion and viva conducted	
	CO2:		
	CO3:		
	CO4:		
	CO5:		
	CO6:		
End Semester	CO1:	Viva-Voce conducted	
	CO2:		
	CO3:		
	CO4:		
	CO5:		
	CO6:		

Signature of HOD/ Dean

Date

Signature of Faculty

Date

Year: 2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
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Continuous Evaluation Sheet

Roll Number	Registration Number	Name of the Student	Continuous Assessment*														
			Cycle I (30)								Cycle II (20)						Total (50)
			Ex1	Ex2	Ex3	Ex4	Ex5	Ex6	Ex7	Ex8	Ex9	Ex10	Ex11	Ex12	Ex13	Ex14	
UG/02/BTBIOME/2020/002	AU/2020/0004600	Ravi Lal	3	3	3	3	3	3	4	3	3	3	3	3	3	4	44
UG/02/BTBIOME/2020/008	AU/2020/0005281	Gaurav Gain	3	3.5	3.5	3.5	3	3.5	4	3.5	3.5	3	3	3.5	3.5	4	48
UG/02/BTBIOME/2020/003	AU/2020/0005498	Soumyadeep Samaddar	3	3	3	3	3.5	3.5	3	3.5	3	3.5	3.5	3.5	3	4	46
UG/02/BTBIOME/2020/004	AU/2020/0005499	Spandan Bhattacharya	3	3	3	3	3	3	3.5	3	3	3	3	3	3	3.5	43
UG/02/BTCE/2020/003	AU/2020/0004536	Arjya Das	3	3	2	2	2	2	3	3	3	3	3	3	3	3	38
UG/02/BTCE/2020/002	AU/2020/0004463	Rohit Kumar Shit	3	3	3	3	3.5	3.5	3	3.5	3	3.5	3.5	3.5	3	4	46
UG/02/BTCSE/2020/002	AU/2020/0004275	Sunanda Jana	3	3	3	3	3	3	4	3	3	3	3	3.5	3.5	4	45
UG/02/BTCSE/2020/009	AU/2020/0004466	Ritushna Roy	3	3	3	3	3	3	3.5	3	3	3	3	3	3	3.5	43
UG/02/BTCSE/2020/032	AU/2020/0004540	Md Alnas Hossain	3	3	3	3	3	3	3.5	3	3	3	3	3	3	3.5	43
UG/02/BTCSE/2020/035	AU/2020/0004565	Nikhil Kumar	3	3	3	3	3.5	3.5	3	3.5	3	3.5	3.5	3.5	3	4	46

Year: 2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE12001 L: 0 T: 0 P: 3 C: 2

		Jha															
UG/02/BTCSE/2020/041	AU/2020/0004580	Raja Banik	3	3	3	3	3.5	3.5	3	3.5	3	3.5	3.5	3.5	3	4	46
UG/02/BTCSE/2020/042	AU/2020/0004583	Arshad Raja	3	3	3	2	3	3	3	3	3	3	3	3	3	3	41
UG/02/BTCSE/2020/046	AU/2020/0004593	Hritik Kumar Dutta	3	3	3	3	2	3	3	3	3	3	3	3	3	3	41
UG/02/BTCSE/2020/047	AU/2020/0004596	Shiuli Mahata	3	3	2	2	2	2	3	3	3	3	3	3	3	3	38
UG/02/BTCSE/2020/012	AU/2020/0004472	Sougata Dutta	3	3	3	3	3.5	3.5	3	3.5	3	3.5	3.5	3.5	3	4	46
UG/02/BTCSE/2020/018	AU/2020/0004479	Protyush Kr Chatterjee	3	3	3	3	3	3	4	3	3	3	3	3.5	3.5	4	45
UG/02/BTCSE/2020/033	AU/2020/0004549	Vivek Raj	3	3	3	3	3	3	4	3	3	3	3	3	3	4	44
UG/02/BTCSE/2020/034	AU/2020/0004562	Soyata Saha	3	3	3	3	3	3	4	3	3	3	3	3.5	3.5	4	45
UG/02/BTCSE/2020/003	AU/2020/0004276	Suprati m Tarun Nath	3	3.5	3.5	3.5	3	3.5	4	3.5	3.5	3	3	3.5	3.5	4	48
UG/02/BTCSE/2020/027	AU/2020/0004529	Atanu Pramanick	2	3	3	3	2	3	3	3	3	3	3	3	3	3	40
UG/02/BTCSE/2020/028	AU/2020/0004530	Ayan Kumar Das	2	2	3	3	2	3	3	3	3	3	3	3	3	3	39
UG/02/BTCSE/2020/007	AU/2020/0004462	Suraj Majumder	3	3	3	3	3	3	4	3	3	3	3	3	3	3	43

Year: 2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE12001 L: 0 T: 0 P: 3 C: 2

UG/02/BTCSE/2020/011	AU/2020/0004468	Prima Giri	3	3.5	3.5	3.5	3	3.5	4	3.5	3.5	3	3	3.5	3.5	4	48
UG/02/BTCSE/2020/004	AU/2020/0004451	Abhipsit Bhattacharjee	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
UG/02/BTCSE/2020/008	AU/2020/0004464	Arkadeep Chatterjee	3	3	3	3	3	3	4	3	3	3	3	3.5	3.5	4	45
UG/02/BTCSE/2020/022	AU/2020/0004494	Indranil Das	3	3	3	3	3	3	4	3	3.5	3.5	3	3.5	3.5	4	46
UG/02/BTCSE/2020/052	AU/2020/0005542	Anirban Roy	3	3	3	3	3	3	4	3	3.5	3.5	3	3.5	3.5	4	46
UG/02/BTCSE/2020/036	AU/2020/0004569	Nandini Roy	3	3	3	3	3	3	4	3	3.5	3.5	3	3.5	3.5	4	46
UG/02/BTCSE/2020/001	AU/2020/0004250	Alok Dutta	2	3	3	3	2	3	3	3	3	3	3	3	3	3	40
UG/02/BTCSEAIML/2020/006	AU/2020/0004557	Soumyadwip Maity	3	3	3	3	3	3	4	3	3	3	3	3.5	3.5	3	44
UG/02/BTCSEAIML/2020/009	AU/2020/0004563	Rohit Kumar Roy	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
UG/02/BTCSEAIML/2020/013	AU/2020/0004578	Md Sohail Irfan	3	3	3	3	3	3	4	3	3	3	3	3.5	3.5	3	44
UG/02/BTCSEAIML/2020/011	AU/2020/0004572	Subarna Bhowmik	3.5	3.5	3.5	3.5	3.5	3.5	4	3.5	3.5	3	3	3.5	3.5	4	49
UG/02/BTCSEAIML/2020/015	AU/2020/0004588	Chandrachur Majhi	3	3	3	3	3	3	4	3	3	3	3	3	3	3	43
UG/02/BTCSECSF	AU/2020/	Sabyasa	3	3	3	3.	3	3.	4	3	3	3	3	3	3	4	45

Year: 2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE120
01 L: 0
T: 0
P: 3
C: 2

/2020/006	0004587	chi Paul				5		5									
UG/02/BTECE/2020/001	AU/2020/0004465	Arya Paul	3	3.5	3.5	3.5	3	3.5	4	3.5	3.5	3	3	3.5	3.5	4	48
UG/02/BTECE/2020/002	AU/2020/0004486	Utsab Bose	3	3.5	3.5	3.5	3	3.5	4	3.5	3.5	3.5	3.5	3.5	3.5	4	49
UG/02/BTECE/2020/004	AU/2020/0004566	Rohit Raj Halder	3	3	3	3	2	3	3	3	3	3	3	3	3	3	41
UG/02/BTEE/2020/002	AU/2020/0004560	Arka Jyoti Das	3	3.5	3.5	3.5	3	3.5	3	3.5	3.5	3	3	3.5	3.5	3	46
UG/02/BTEE/2020/001	AU/2020/0004481	Saptarshi Bhattacharjee	3	3.5	3.5	3.5	3	3.5	4	3.5	3.5	3	3	3.5	3.5	4	48
UG/02/BTME/2020/001	AU/2020/0004471	Suman Hait	3	3	3	3	2	3	3	3	3	3	3	3	3	3	41
UG/02/BTME/2020/002	AU/2020/0004484	Koushik Ghosh	3	3.5	3.5	3.5	3	3.5	3	3.5	3.5	3	3	3.5	3.5	3	46
UG/02/BTME/2020/005	AU/2020/0004555	Reetam Mondal	3	3	3	3	2	3	3	3	3	3	3	3	3	3	41
UG/02/BTME/2020/004	AU/2020/0004495	Rakesh Kumar Mozum der	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**

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

Signature of HOD/Dean

Date:

Signature of Faculty

Date:

Year: 2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE120
01 L: 0
T: 0
P: 3
C: 2

COURSE END SURVEY

INDIRECT ASSESSMENT

Sample format for Indirect Assessment of Course outcomes:

NAME: Koushik Ghosh
ROLL NO.: UG/02/BTME/2020/002
REG. NO..: AU/2020/0004484
COURSE: Engineering Workshop
PROGRAM: B.Tech

Please rate the following aspects of course outcomes of

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

Year: 2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE12001 L: 0 T: 0 P: 3 C: 2

INDIRECT ASSESSMENT CONSOLIDATION

ADAMAS UNIVERSITY, KOLKATA
SCHOOL OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

CO Indirect Assessment

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

Course Code & Name: MEE12001 & ENGINEERING WORKSHOP

Course Outcome	Students Feed Back (5)	Attainment (100)
CO1	5	100
CO2	5	100
CO3	5	100
CO4	5	100
CO5	5	100
CO6	5	100

Signature of HOD/Dean
Date:

Signature of Faculty
Date:

Year: 2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE120
01 L: 0
T: 0
P: 3
C: 2

Evaluation Sheet (End Semester)

Roll Number	Registration Number	Name of the Student	Marks (50)
UG/02/BTBIOME/2020/002	AU/2020/0004600	Ravi Lal	44
UG/02/BTBIOME/2020/008	AU/2020/0005281	Gaurav Gain	48
UG/02/BTBIOME/2020/003	AU/2020/0005498	Soumyadeep Samaddar	46
UG/02/BTBIOME/2020/004	AU/2020/0005499	Spandan Bhattachaarya	43
UG/02/BTCE/2020/003	AU/2020/0004536	Arjya Das	38
UG/02/BTCE/2020/002	AU/2020/0004463	Rohit Kumar Shit	46
UG/02/BTCSE/2020/002	AU/2020/0004275	Sunanda Jana	45
UG/02/BTCSE/2020/009	AU/2020/0004466	Ritushna Roy	43
UG/02/BTCSE/2020/032	AU/2020/0004540	Md Alnas Hossain	43
UG/02/BTCSE/2020/035	AU/2020/0004565	Nikhil Kumar Jha	46
UG/02/BTCSE/2020/041	AU/2020/0004580	Raja Banik	46
UG/02/BTCSE/2020/042	AU/2020/0004583	Arshad Raja	41
UG/02/BTCSE/2020/046	AU/2020/0004593	Hritik Kumar Dutta	41
UG/02/BTCSE/2020/047	AU/2020/0004596	Shiuli Mahata	38
UG/02/BTCSE/2020/012	AU/2020/0004472	Sougata Dutta	46
UG/02/BTCSE/2020/018	AU/2020/0004479	Protyush Kr Chatterjee	45
UG/02/BTCSE/2020/033	AU/2020/0004549	Vivek Raj	44
UG/02/BTCSE/2020/034	AU/2020/0004562	Soyata Saha	45
UG/02/BTCSE/2020/003	AU/2020/0004276	Supratim Tarun Nath	48

Year: 2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE12001 L: 0 T: 0 P: 3 C: 2

UG/02/BTCSE/2020/027	AU/2020/0004529	Atanu Pramanick	40
UG/02/BTCSE/2020/028	AU/2020/0004530	Ayan Kumar Das	39
UG/02/BTCSE/2020/007	AU/2020/0004462	Suraj Majumder	43
UG/02/BTCSE/2020/011	AU/2020/0004468	Prima Giri	48
UG/02/BTCSE/2020/004	AU/2020/0004451	Abhipsit Bhattacharjee	**
UG/02/BTCSE/2020/008	AU/2020/0004464	Arkadeep Chatterjee	45
UG/02/BTCSE/2020/022	AU/2020/0004494	Indranil Das	46
UG/02/BTCSE/2020/052	AU/2020/0005542	Anirban Roy	46
UG/02/BTCSE/2020/036	AU/2020/0004569	Nandini Roy	48
UG/02/BTCSE/2020/001	AU/2020/0004250	Alok Dutta	40
UG/02/BTCSEAIML/2020/006	AU/2020/0004557	Soumyadwip Maity	44
UG/02/BTCSEAIML/2020/009	AU/2020/0004563	Rohit Kumar Roy	**
UG/02/BTCSEAIML/2020/013	AU/2020/0004578	Md Sohail Irfan	44
UG/02/BTCSEAIML/2020/011	AU/2020/0004572	Subarna Bhowmik	49
UG/02/BTCSEAIML/2020/015	AU/2020/0004588	Chandrachur Majhi	43
UG/02/BTCSECSF/2020/006	AU/2020/0004587	Sabyasachi Paul	45
UG/02/BTECE/2020/001	AU/2020/0004465	Arya Paul	48
UG/02/BTECE/2020/002	AU/2020/0004486	Utsab Bose	49
UG/02/BTECE/2020/004	AU/2020/0004566	Rohit Raj Halder	41
UG/02/BTEE/2020/002	AU/2020/0004560	Arka Jyoti Das	46
UG/02/BTEE/2020/001	AU/2020/0004481	Saptarshi Bhattacharjee	48

Year: 2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE12001 L: 0 T: 0 P: 3 C: 2

UG/02/BTME/2020/001	AU/2020/0004471	Suman Hait	41
UG/02/BTME/2020/002	AU/2020/0004484	Koushik Ghosh	46
UG/02/BTME/2020/005	AU/2020/0004555	Reetam Mondal	41
UG/02/BTME/2020/004	AU/2020/0004495	Rakesh Kumar Mozumder	**

Signature of HOD/Dean

Date:

Signature of Faculty

Date:

Year: 2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE120
01 L: 0
T: 0
P: 3
C: 2

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)		
UG/02/BTBIOME/2020/002	AU/2020/0004600	Ravi Lal	25	19	44	88
UG/02/BTBIOME/2020/008	AU/2020/0005281	Gaurav Gain	27.5	20.5	48	96
UG/02/BTBIOME/2020/003	AU/2020/0005498	Soumyadeep Samaddar	25.5	20.5	46	92
UG/02/BTBIOME/2020/004	AU/2020/0005499	Spandan Bhattachaarya	24.5	18.5	43	86
UG/02/BTCE/2020/003	AU/2020/0004536	Arjya Das	20	18	38	76
UG/02/BTCE/2020/002	AU/2020/0004463	Rohit Kumar Shit	25.5	20.5	46	92
UG/02/BTCSE/2020/002	AU/2020/0004275	Sunanda Jana	25	20	45	90
UG/02/BTCSE/2020/009	AU/2020/0004466	Ritushna Roy	24.5	18.5	43	86
UG/02/BTCSE/2020/032	AU/2020/0004540	Md Alnas Hossain	24.5	18.5	43	86
UG/02/BTCSE/2020/035	AU/2020/0004565	Nikhil Kumar Jha	25.5	20.5	46	92
UG/02/BTCSE/2020/041	AU/2020/0004580	Raja Banik	24.5	21.5	46	92
UG/02/BTCSE/2020/042	AU/2020/0004583	Arshad Raja	23	18	41	82
UG/02/BTCSE/2020/046	AU/2020/0004593	Hritik Kumar Dutta	23	18	41	82
UG/02/BTCSE/2020/047	AU/2020/0004596	Shiuli Mahata	20	18	38	76
UG/02/BTCSE/2020/012	AU/2020/0004472	Sougata Dutta	25.5	20.5	46	92
UG/02/BTCSE/2020/018	AU/2020/0004479	Protyush Kr Chatterjee	25	20	45	90

Year: 2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE120
01 L: 0
T: 0
P: 3
C: 2

UG/02/BTCSE/2020/033	AU/2020/0004549	Vivek Raj	25	19	44	88
UG/02/BTCSE/2020/034	AU/2020/0004562	Soyata Saha	25	20	45	90
UG/02/BTCSE/2020/003	AU/2020/0004276	Supratim Tarun Nath	27.5	20.5	48	96
UG/02/BTCSE/2020/027	AU/2020/0004529	Atanu Pramanick	22	18	40	80
UG/02/BTCSE/2020/028	AU/2020/0004530	Ayan Kumar Das	21	18	39	78
UG/02/BTCSE/2020/007	AU/2020/0004462	Suraj Majumder	25	18	43	86
UG/02/BTCSE/2020/011	AU/2020/0004468	Prima Giri	27.5	20.5	48	96
UG/02/BTCSE/2020/004	AU/2020/0004451	Abhipsit Bhattacharjee	**	**	**	**
UG/02/BTCSE/2020/008	AU/2020/0004464	Arkadeep Chatterjee	25	20	45	90
UG/02/BTCSE/2020/022	AU/2020/0004494	Indranil Das	25	21	46	92
UG/02/BTCSE/2020/052	AU/2020/0005542	Anirban Roy	25	21	46	92
UG/02/BTCSE/2020/036	AU/2020/0004569	Nandini Roy	25	21	48	96
UG/02/BTCSE/2020/001	AU/2020/0004250	Alok Dutta	22	18	40	80
UG/02/BTCSEAIML/2020/006	AU/2020/0004557	Soumyadwip Maity	25	19	44	88
UG/02/BTCSEAIML/2020/009	AU/2020/0004563	Rohit Kumar Roy	**	**	**	**
UG/02/BTCSEAIML/2020/013	AU/2020/0004578	Md Sohail Irfan	25	19	44	88
UG/02/BTCSEAIML/2020/011	AU/2020/0004572	Subarna Bhowmik	28.5	20.5	49	98
UG/02/BTCSEAIML/2020/015	AU/2020/0004588	Chandrachur Majhi	25	18	43	86
UG/02/BTCSECSF/2020/006	AU/2020/0004587	Sabyasachi Paul	26	19	45	90
UG/02/BTECE/2020/001	AU/2020/0004465	Arya Paul	27.5	20.5	48	96
UG/02/BTECE/2020/002	AU/2020/0004486	Utsab Bose	27.5	21.5	49	98

Year: 2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE120
01 L: 0
T: 0
P: 3
C: 2

UG/02/BTECE/2020/004	AU/2020/0004566	Rohit Raj Halder	23	18	41	82
UG/02/BTEE/2020/002	AU/2020/0004560	Arka Jyoti Das	26.5	19.5	46	92
UG/02/BTEE/2020/001	AU/2020/0004481	Saptarshi Bhattacharjee	27.5	20.5	48	96
UG/02/BTME/2020/001	AU/2020/0004471	Suman Hait	23	18	41	82
UG/02/BTME/2020/002	AU/2020/0004484	Koushik Ghosh	26.5	19.5	46	92
UG/02/BTME/2020/005	AU/2020/0004555	Reetam Mondal	23	18	41	82
UG/02/BTME/2020/004	AU/2020/0004495	Rakesh Kumar Mozumder	**	**	**	**

Signature of Dean/HOD

Date:

Signature of Faculty

Date:

Year:
2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE120
01 L: 0
T: 0
P: 3
C: 2

CO ATTAINMENT – GAP ANALYSIS & REMEDIAL MEASURES

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

Batch:	2020-22			Academic Year:	2020-21		
Course Code & Name			Name of the Coordinators			Year & Semester	
MEE12001 & Engineering Workshop			Mr. Soumya Ghosh & Ms. Soodipa Chakraborty			I & I	
CO	Direct Assessment	Indirect Assessment	CO Attainment	Target	CO Attainment Gaps	Action for Bridge the Gap	Target Modification
CO1	75	100	80	**70**	-10		75
CO2	75	100	80	**70**	-10		75
CO3	75	100	80	**70**	-10		75
CO4	75	100	80	**70**	-10		75
CO5	75	100	80	**70**	-10		75

Year:
2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE12001 L: 0 T: 0 P: 3 C: 2

CO6	75	100	80	**70**	-10		75

Year:
2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE12001 L: 0 T: 0 P: 3 C: 2

CO-PO ATTAINMENT

ADAMAS UNIVERSITY, KOLKATA
SCHOOL OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
CO-PO ATTAINMENT

Programme: B. Tech		Year & Sem: I & I		Academic Year: 2020-21			Batch:2020-22									
Course Code	**Course Name**	**CO-PO**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO 10**	**PO 11**	**PO 12**	**PSO 1**	**PSO 2**	**PSO 3**
MEE12002	**Engineering Workshop**	**Relationship**	CO1, CO2, CO3, CO4, CO5, CO6	CO1, CO4	NA	NA	NA	NA	NA	NA	NA	CO1 CO2 CO3 CO4 CO5	NA	NA	NA	CO1, CO2, CO3 CO4, CO5 CO6	NA	NA
		Mapping Value	3	1	NA	NA	NA	NA	NA	NA	3	NA	NA	NA	3	NA	NA

Year:
2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE120
01 L: 0
T: 0
P: 3
C: 2

		Attainment	**2.4**	**0.3**	**NA**	NA	NA	NA	NA	NA	**2.4**	NA	NA	NA	**2.4**	NA	NA

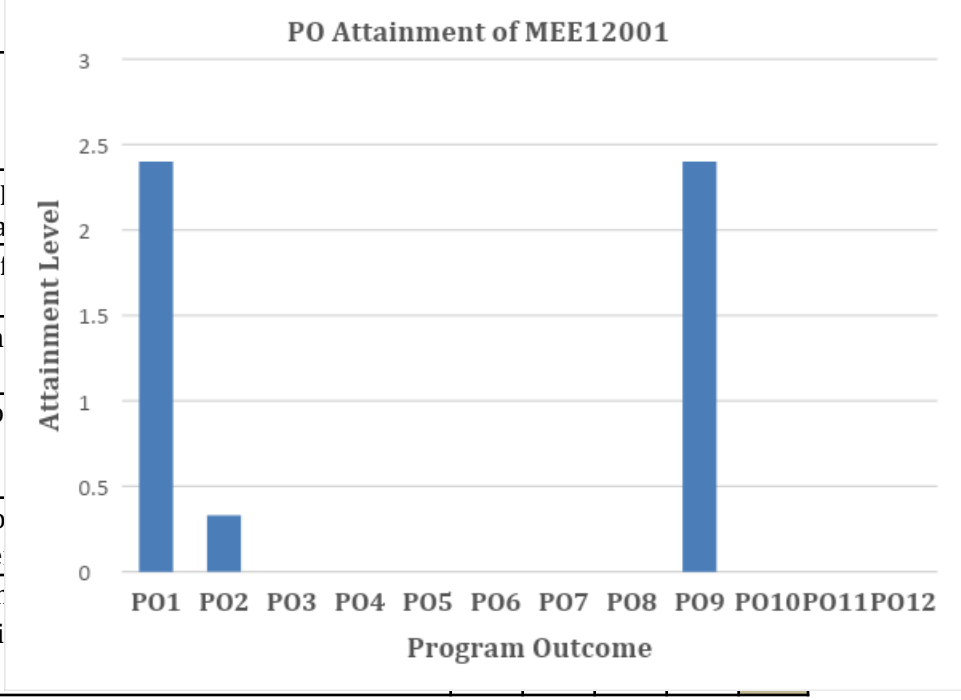
Year:
2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE120
01 L: 0
T: 0
P: 3
C: 2

PO ATTAINMENT OF THE COURSE

Course Outcomes	Statement
CO1	Demonstrate the basic o in pattern and mould ma
CO2	Perform different metal works
CO3	Perform basic forging an works
CO4	Understand the operatio machine tools
CO5	Select the appropriate to required for specific ope
CO6	Comprehend the safety r required to be taken whi too



Year:
2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty
2. Course : Electrical and Electronics Technology Lab
3. Program : B. Tech
4. Target : 60%

Course Code:MEE12001 L: 0 T: 0 P: 3 C: 2

Signature of HOD/Dean

Date:

Signature of Faculty

Date:

Year: 2020-21
Semester: I

1. Name of the Faculty: Soumya Ghosh & Soodipa Chakraborty Course Code: MEEs12001
2. Course : Engineering Workshop L: 0
3. Program : B. Tech T: 0
4. 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**