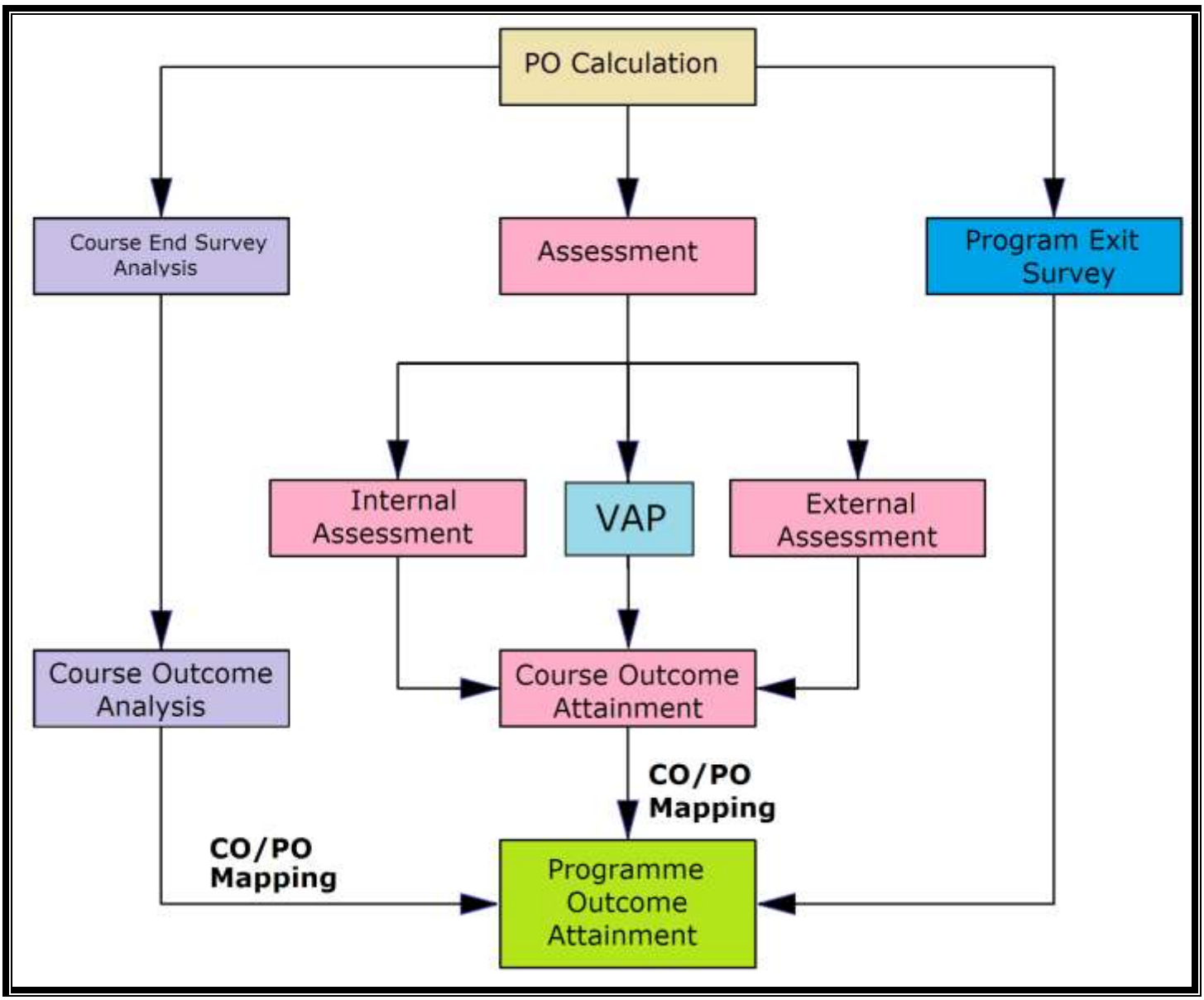
2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

1. Course End Survey
2. Course End Survey Analysis
3. Course Outcome Analysis through Internal Assessments
4. Course Outcome Analysis through External Assessments
5. PO Statement
6. Programme Exit Survey

DGCT Programme Outcome (PO) attainment strategy



Sample Course End Survey (CES) for all departments

Civil Engineering

Dhirajlal Gandhi College of Technology

Department of Civil Engineering

COURSE END SURVEY

II yr ,
CIVIL - B

Name of the Student : E. NITHISH KUMAR
Register no : 610515103062
Semester : III
Section : CIVIL - B
Course Code and Course Name : CE 6303 & MECHANICS OF FLUIDS
Name of the Faculty Handled : M.SOWMIYA

1. **Do you understand the concept of pressure measurement**

☐ Cannot ☐ Try ☑ Some what ☐ Yes

2. **Do you understand the concept of hydrostatic forces**

☐ Cannot ☑ Try ☐ Some what ☐ Yes

3. **Can you able to differentiate kinematics of fluids and dynamics of fluids**

☐ Cannot ☐ Try ☐ Some what ☑ Yes

4. **Can you able to solve the problems for series connection and parallel connection pipes**

☐ Cannot ☐ Try ☑ Some what ☐ Yes

5. **Do you understand the concept of boundary layer**

☐ Cannot ☑ Try ☐ Some what ☐ Yes

6. **Can you able to differentiate model and prototype**

☐ Cannot ☐ Try ☑ Some what ☑ Yes

7. **Do you benifited through activity based and cooperative learing methods ?**

☐ Disagree ☐ No opinion ☐ Agree ☑ Strongly Agree

8. **Assignements really tested your critical thinking?**

☐ Disagree ☐ No opinion ☐ Agree ☑ Strongly Agree

9. **The evaluation methods used in this course are fair and appropriate**

☐ Disagree ☐ No opinion ☐ Agree ☑ Strongly Agree

10. **There is close agreement between the course outcomes and what is actually covered**

☐ Disagree ☐ No opinion ☐ Agree ☑ Strongly Agree

11. **What changes can be made to improve the course content? Suggest:**

Course Coordinator **Module Coordinator** **HOD/Programe Coordinator**

155

Dhirajlal Gandhi College of Technology

Department of Computer Science and Engineering

COURSE END SURVEY

Name of the Student : MYATHILI - V
Register no : 610517104046
Semester : V
Section : B
Course Code and Course Name : CS8582 – Case Tools Laboratory
Name of the Faculty Handled : Ms.B.Narmada, AP/CSE & Ms.J.Maheswari, AP/CSE

1. **Can create design using tools like Rational Rose, Argo UML?**

   ☐ Cannot ☐ Try ☐ Some what ☑ Yes

2. **Can you analyze the scenario and draft the statement to solve the problem?**

   ☐ Cannot ☐ Try ☐ Some what ☑ Yes

3. **Can you analyze the software requirement in order to design and implement the new ideas?**

   ☐ Cannot ☐ Try ☐ Some what ☑ Yes

4. **Can you develop the projects using OO concepts?**

   ☐ Cannot ☐ Try ☐ Some what ☑ Yes

5. **Can you draw diagrams like Class, sequence,activity,statechart?**

   ☐ cannot ☐ Try ☐ Some what ☑ Yes

6. **Can you generate a code from design?**

   ☐ Cannot ☑ Try ☐ Some what ☐ Yes

7. **Can you simplify the complicated scenario using UML design ?**

   ☐ Cannot ☐ Try ☐ somewat ☑ yes

8. **Can you create the domain model to establish the relationships?**

   ☐ Cannot ☐ Try ☐ somewat ☑ yes

9. **The evaluation methods used in this course are fair and appropriate**

   ☐ Disagree ☐ No opinion ☐ Agree ☑ Strongly Agree

10. **There is close agreement between the course outcomes and what is actually covered**

    ☐ Disagree ☐ No opinion ☐ Agree ☑ Strongly Agree

11. **What changes can be made to improve the course content? Suggest:**

Course Coordinator **Module Coordinator** **HOD/Programe Coordinator**

COURSE END SURVEY

Name of the Student : S. Monisha, 610517104045
Course Code and Course Name : CS8591-Computer Networks
Semester : V
Name of the Faculty Handled : J.Vaijayanthimala, AP/CSE & Mr,Vijaykumar,AP/CSE

1. **To what extent you are able to understand the protocols used in Computer Networks?**
   ☐ Cannot ☐ Try ☐ Some what ☑ Yes
2. **Do you know how OSI Layer works?**
   ☐ Donot ☐ Try ☐ Some what ☑ Yes
3. **Do you analyize various error detection and error correction techniques?**
   ☐ Donot ☐ Try ☐ Some what ☑ Yes
4. **Can you design any one of the Topology for the networks?**
   ☐ Cannot ☐ Try ☐ Some what ☑ Yes
5. **Do you understand various Flow control algorithms?**
   ☐ Cannot ☐ Try ☐ Some what ☑ Yes
6. **Do you understand various Application Layer protocols?**
   ☐ Disagree ☐ No opinion ☐ Agree ☑ Strongly Agree
7. **Can you understood the basics of IP addressing and its use for designing the network?**
   ☐ Cannot ☐ Try ☐ Some what ☑ Yes
8. **Can you able to identify the networking devices used in computer networks??**
   ☐ Cannot ☐ Try ☐ Some what ☑ Yes
9. **Can you able to know the configuration the Email server?**
   ☐ Do not ☐ Try ☐ Some what ☑ Yes
10. **There is close agreement between the course outcomes and what is actually covered**
    ☐ Disagree ☐ No opinion ☑ Agree ☐ Strongly Agree
11. **What changes can be made to improve the course content? Suggest:**
    i) need more programs in theory section
    ii)
    iii)

Course Coordinator	Module Coordinator	HOD/Program Coordinator
(J.Vaijayanthi Mala, AP/CSE)	(Dr.M.Rameshkumar,HOD/CSE)	(Dr.M.RameshKumar,HOD/CSE)

Sec-'A'

COURSE END SURVEY

Name of the Student : Akshaya.K Sec-'A'
Course Code and Course Name : EC6801 / Wireless Communication
Semester : VIII
Name of the Faculty Handled : N.Vetriselvan, N. Ayyanar

1. Can you understand the concepts in link budget design?
   ☐ Cannot ☐ Try ☑ Some what ☐ Yes
2. Do you know the various types of fading and its effect?
   ☐ Cannot ☐ Try ☐ Some what ☑ Yes
3. Do you understand the theory of multiple access techniques?
   ☐ Cannot ☐ Try ☑ Some what ☐ Yes
4. Can you calculate the frequency reuse factor and cluster size?
   ☐ Cannot ☐ Try ☐ Some what ☑ Yes
5. Have you understood the concept of OFDM principles?
   ☐ Cannot ☑ Try ☐ Some what ☐ Yes
6. Can you compare the various shift keying techniques used in wireless communication?
   ☐ Cannot ☐ Try ☐ Some what ☑ Yes
7. Can you interpret the principle behind equalization and diversity?
   ☐ Cannot ☐ Try ☐ Some what ☑ Yes
8. Use of power point presentation was useful for discussing the multiple antenna techniques?
   ☐ Disagree ☐ No opinion ☑ Agree ☐ Strongly Agree
9. The evaluation methods used in this course are fair and appropriate
   ☐ Disagree ☐ No opinion ☑ Agree ☐ Strongly Agree
10. There is close agreement between the course outcomes and what is actually covered
    ☐ Disagree ☐ No opinion ☑ Agree ☐ Strongly Agree
11. What changes can be made to improve the course content? Suggest:
    (i) More examples can be given to relate With
    (ii)
    (iii) the real time.

Course Coordinator 6/11/17 Module Coordinator 6/11/17 Program Coordinator 6/11/17

Dhirajlal Gandhi College of Technology

Department of Electrical and Electronics Engineering

COURSE END SURVEY

Name of the Student : P. Vijya sri
Register no : 610519105070
Semester : III
Section : B
Course Code and Course Name : EE8351-Digital Logic Circuits
Name of the Faculty Handled : Mr. R. Aravindh

1. **Can you understand the fundamentals of Digital Electronics?**

☐ Cannot ☐ Try ☑ Some what ☐ Yes

2. **Do you have a basic knowledge in Logical devices?**

☐ Cannot ☐ Try ☐ Some what ☑ Yes

3. **Do you understand the methods of reduction of Boolean expressions?**

☐ Cannot ☐ Try ☐ Some what ☑ Yes

4. **Can you able to design and analyze the combinational logic circuits like decoders, encoders, MUX and DEMUX?**

☐ Cannot ☐ Try ☐ Some what ☑ Yes

5. **Can you able to analyze the synchronous and asynchronous sequential circuits ?**

☐ Cannot ☐ Try ☑ Some what ☐ Yes

6. **Do you understand the structure of different memory elements?**

☐ Cannot ☐ Try ☑ Some what ☐ Yes

7. **Do you benifited through activity based and cooperative learing methods ?**

☐ Disagree ☑ No opinion ☐ Agree ☐ Strongly Agree

8. **Assignments really tested your critical thinking?**

☐ Disagree ☐ No opinion ☐ Agree ☑ Strongly Agree

9. **The evaluation methods used in this course are fair and appropriate**

☐ Disagree ☐ No opinion ☐ Agree ☑ Strongly Agree

10. **There is close agreement between the course outcomes and what is actually covered**

☐ Disagree ☐ No opinion ☑ Agree ☐ Strongly Agree

11. **What changes can be made to improve the course content? Suggest:**

No changes, to be made to improve the course content

Course Coordinator **Module Coordinator** **HOD/Programe Coordinator**

II nd Year Mech - 'A' Section.

COURSE END SURVEY

Name of the Student : M. Nagappan, 610514114314.
Course Code and Course Name : ME6402-Manufacturing Technology-II
Semester : IV
Name of the Faculty Handled : T.Jayachandran AP/Mech, B.Mohanaruban AP/Mech

1. Can you analyse the various process in the field of manufacturing?
   ☐ Cannot ☐ Try ☐ Somewhat ☑ Yes
2. Do you know the various types of machines and various mechanism followed in it?
   ☐ Do not ☐ Try ☐ Somewhat ☑ Yes
3. Can you write a simple CNC program?
   ☐ Cannot ☐ Try ☐ Somewhat ☑ Yes
4. Can you get an idea on variety of manufacturing process and mechanisms?
   ☐ Cannot ☐ Try ☐ Somewhat ☑ Yes
5. Do you know the various milling machine and cutters used in machining process?
   ☐ Do not ☐ Try ☑ Somewhat ☐ Yes
6. Conduction of classes related to practical oriented for various Processes.
   ☐ Disagree ☐ No opinion ☐ Agree ☑ Strongly Agree
7. Use of power point / video presentation for discussing to conduct effective classes.
   ☐ Disagree ☐ No opinion ☐ Agree ☑ Strongly Agree
8. Combined class helped to construct effective and appropriate CNC programme using G&M codes.
   ☐ Disagree ☐ No opinion ☐ Agree ☑ Strongly Agree
9. The evaluation methods used in this course are fair and appropriate
   ☐ Disagree ☐ No opinion ☐ Agree ☑ Strongly Agree
10. There is close agreement between the course outcomes and what is actually covered
    ☐ Disagree ☐ No opinion ☐ Agree ☑ Strongly Agree
11. What changes can be made to improve the course content? Suggest:
    (i)
    (ii)
    (iii)

29/4/16 Course Co ordinator

29/4/16 Module Co ordinator

HOD/Programme Co ordinator

Sample Course End Survey Analysis

Sub Code & Name : ME6503-DESIGN OF MACHINE ELEMENTS

Name of the Staff : **Mr.N.PANNEERSELVAM SAP/Mech**

Year & Section : **III Year/ A**

Regilation : **2013**

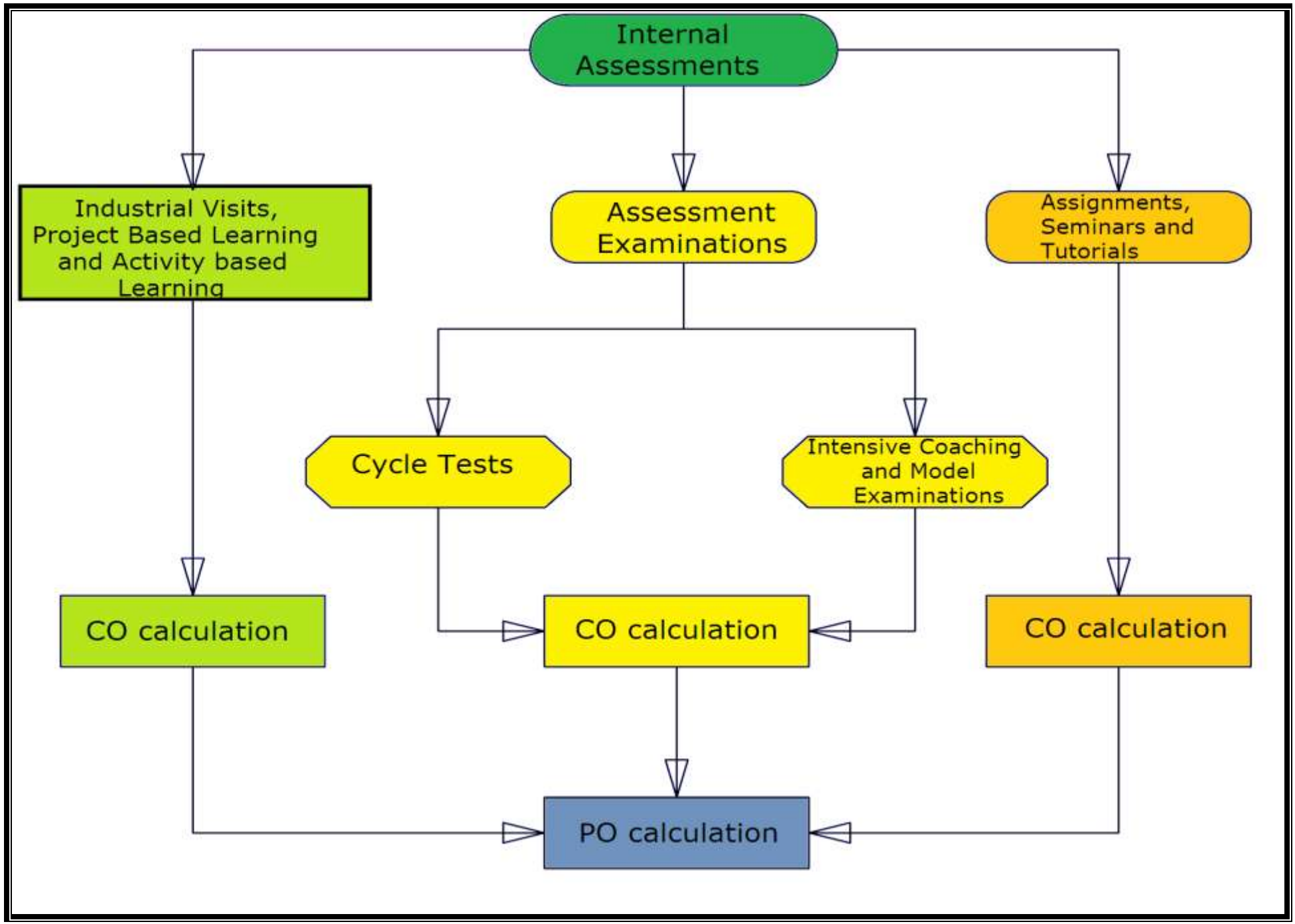
Consolidate Report

Cos	Course End Survey question	Marks out of 4	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
CO1	1. Can you design the elements like hook? Crank shaft etc.,	3.3	3.3			3.3	3.3		3.3						3.3		3.3
	2. Can you design a component is under varying load?																
CO2	3. Can you design the power transmission elements like shaft, coupling etc., used in industries?	3.0	3.0						3.0	3.0				3.0	3.0	3.0	3.0
CO3	4. Will you perform the Design & analysis of	**3.0**	3.0						3.0						3.0	3.0	3.0

	temporary and permanent joints ?																
CO4	**5. Are you confident about design & development of Energy storing elements like springs, flywheel etc.,?**	**2.7**	2.7	2.7	2.7				2.7				2.7		2.7	2.7	2.7
CO5	**6. Will you Design & analyze of tribological elements like bearing etc.,?**	**2.8**	2.8					2.8	2.8	2.8			2.8	2.8	2.8	2.8	2.8
CO6	**7. Will you follow the proper standards of design principle?**	**3.5**															
	8. Use of Power Point Projector (PPT) is class room lecturing is effective and appropriate ?	**3.0**															
	9. The evaluation methods used in this course are fair and	**3.2**															

	appropriate																
	10. There is close agreement between the course outcomes and what is actually covered	2.5															
Average		3.1	3.0	2.7	2.7	3.3	3.3	2.8	3.0	2.9			2.8	2.9	3.0	2.9	3.0
% of Attainment		76	74	67	67	81	81	71	74	73			69	73	74	72	74
% of Target		70	70	70	70	70	70	70	70	70			70	70	70	70	70
Justifiacation		+6	+4	-3	-3	+11	+11	+1	+4	+3			-1	+3	+4	+2	+4

INTERNAL ASSESSMENT



Logbook

RC /

DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY

(Approved by AICTE | Affliated to Anna University, Chennai | Accredited by NAAC)

Opposite Salem Airport, Sikanampatty (PO), Omalur (Tk), Salem, Tamil Nadu 636309

Phone: 04290 233 333 | e-mail : principal@dgct.ac.in | office@dgct.ac.in | www.dgct.ac.in

FACULTY PEDAGOGICAL AND STUDENT ASSESSMENT RECORD BOOK

FACULTY DETAILS		COURSE DETAILS	
Name	: N. PANNEERSELVAM B. MOHANARUBAN	Subject Code	: ME8351
Designation	: Sr. AP / AP	Subject Name	: Manufacturing Technology - I
Department	: MECHANICAL	Semester & Sec	: III. A.
		Academic Year	: 2019 - 20
		Department	: Mechanical
		Module Name	: Materials and Manufac turing
		Module Coordinator	: N. PANNEERSELVAM

VISION

To improve the quality of human life through multidisciplinary programs in engineering, architecture and management that are internationally recognized and would facilitate research work to incorporate social, economical and environmental development.

MISSION

- To create a vibrant atmosphere that creates competent engineers, innovators, scientists, entrepreneurs, academicians and thinkers of tomorrow.
- To establish centre of excellence that provide sustainable solutions, to industry and society.
- To enhance capability through various value added programs, to meet the challenges of dynamically changing global needs.

STUDENTS DETAILS			
	BOYS	GIRLS	TOTAL
NO. OF DAYSCHOLARS	45	1	46
NO. OF HOSTELLERS	0	0	0
TOTAL	45	1	46

Syllabus

ME8351 MANUFACTURING TECHNOLOGY – I L T P C 3 0 0 3

OBJECTIVE:

- To introduce the concepts of basic manufacturing processes and fabrication techniques, such as metal casting, metal joining, metal forming and manufacture of plastic components.

UNIT I METAL CASTING PROCESSES 9

Sand Casting : Sand Mould – Type of patterns - Pattern Materials – Pattern allowances –Moulding sand Properties and testing – Cores –Types and applications – Moulding machines– Types and applications; Melting furnaces : Blast and Cupola Furnaces; Principle of special casting processes : Shell - investment – Ceramic mould – Pressure die casting - Centrifugal Casting - CO2 process – Stir casting; Defects in Sand casting

UNIT II JOINING PROCESSES 9

Operating principle, basic equipment, merits and applications of: Fusion welding processes: Gas welding - Types – Flame characteristics; Manual metal arc welding – Gas Tungsten arc welding - Gas metal arc welding – Submerged arc welding – Electro slag welding; Operating principle and applications of: Resistance welding - Plasma arc welding – Thermit welding – Electron beam welding – Friction welding and Friction Stir Welding; Brazing and soldering; Weld defects: types, causes and cure.

UNIT III METAL FORMING PROCESSES 9

Hot working and cold working of metals – Forging processes – Open, impression and closed die forging – forging operations. Rolling of metals– Types of Rolling – Flat strip rolling – shape rolling operations – Defects in rolled parts. Principle of rod and wire drawing – Tube drawing – Principles of Extrusion – Types – Hot and Cold extrusion.

UNIT IV SHEET METAL PROCESSES 9

Sheet metal characteristics – shearing, bending and drawing operations – Stretch forming operations – Formability of sheet metal – Test methods – special forming processes-Working principle and applications – Hydro forming – Rubber pad forming – Metal spinning– Introduction of Explosive forming, magnetic pulse forming, peen forming, Super plastic forming – Micro forming

UNIT V MANUFACTURE OF PLASTIC COMPONENTS 9

Types and characteristics of plastics – Moulding of thermoplastics – working principles and typical applications – injection moulding – Plunger and screw machines – Compression moulding, Transfer Moulding – Typical industrial applications – introduction to blow moulding –Rotational moulding – Film blowing – Extrusion – Thermoforming – Bonding of Thermoplastics.

TEXT BOOKS:

1. Hajra Chouldhary S.K and Hajra Choudhury. AK., "Elements of workshop Technology", volume I a Media promoters and Publishers Private Limited. Mumbai. 2008
2. Kalpakjian. S, "Manufacturing Engineering and Technology", Pearson Education India Edition, 20

MAPPING OF COURSE OUTCOMES TO POs & PSOs

S. No.	Course Outcome	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
1	Expert to do metal casting process associated defects, merits & demerits.	2	2	1	3	3	1	2	2					1	3	1
2	Compare different metal Joining Process.	2	2	1	3	3	1	2	2					1	3	1
3	Summarize Various hot Working & Cold Working	2	2	1	3	3	1	2	2					1	3	1
4	Apply the method sheet metal Making Process	2	2	1	3	3	1	2	2					1	3	1
5	Apply the new technologies to manufacturing of Plastic Components.	2	2	1	3	3	1	2	2					1	3	1

MAPPING OF COURSE TO POs & PSOs

S. No	Course	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
	Manufacturing Technology – 1	2	2	1	3	3	1	2	2					1	3	1

Program Outcomes (POs)

Program Outcomes(POs)		
PO1	a)	Apply the knowledge of mathematics, science, engineering fundamentals t. the solution of complex problems in Mechanical Engineering.
PO2	b)	Identify, formulate, research literature, and analyze complex Mechanical Engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	c)	Design solutions for complex Mechanical engineering problems and design system components or processes that meet t h e specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	d)	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 related to Mechanical Engineering.
PO5	e)	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex Mechanical engineering activities with an understanding of the limitations
PO6	f)	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	g)	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	h)	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	i)	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	j)	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	k)	Demonstrate knowledge and understanding of t h e 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	l)	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 (PSOs)

Program Specific Outcomes(PSOs)		
PSO1	p)	Ability of the graduates to perform in advanced machining by outrival of schooling thro'u internship between institutes – industry.
PSO2	q)	Graduates will demonstrate the ability to design a mechanical system using complex modeling and analysis software thro'u continuing education.
PSO3	r)	Graduates will be exposed to industrial practices and acquire the ability to serve in core industry.

Course Assessment Plan

1	CT - 1	...	23.07.19 1
2	CT - 2	...	21.08.19 1
3	ICT - 1	...	21.09.19 1
4	ICT - 2	...	03.10.19 1
5	Model Exam	...	12.10.19 1
6	Assignment	...	3
7	Tutorial	...	X
8	Project Based Learning (Mini - Project)	...	Yes
9	Industrial Visit	...	Yes
10	Guest Lecturer	...	No
11	Seminar	...	Yes
12	Activity Based Learning - i Technical Connection	...	30.07.19
13	Activity Based Learning - I NIL	...	X
14	Other Activities NIL	...	X

Assignment / Tutorial

S.No	Units	Topics	Tentative Date	Exact Date
1	1	CASTING AND WELDING	23.07.19	26.07.19
2	2	Welding	28.08.19	28.08.19
3	3	Alloys	29.09.19	04.10.19

Industrial Visit / Guest Lecture

Visit to Sonal Vyapar Ltd., Salem.

TIME TABLE

Revision : 0 with effect from (Date) : 20.06.19

Day	1	2	Tea Break	3	4	Lunch Break	5	6	Tea Break	7	8	Remarks
TIMINGS	9.00 to 9.50	9.50 to 10.40		11.05 to 11.55	11.55 to 12.40		1.55 to 2.15	2.15 to 3.00		3.05 to 4.00	4.00 to 4.45	
Monday												
Tuesday							MT1					
Wednesday							MT1					
Thursday					MT1							
Friday				MT1							MT1	
Saturday		MT1										

Revision : 1 with effect from (Date) : 08.07.19

Day	1	2	Tea Break	3	4	Lunch Break	5	6	Tea Break	7	8	Remarks
TIMINGS	9.00 to 9.50	9.50 to 10.40		11.00 to 11.50	11.50 to 12.40		1.55 to 2.15	2.15 to 3.00		3.05 to 4.00	4.00 to 4.45	
Monday												
Tuesday								MT-1				
Wednesday	MT-1						MT-1					
Thursday					MT-1						MT-1	
Friday				MT-1								
Saturday		MT-1										

Revision : 2 with effect from (Date) :

Day	1	2	Tea Break	3	4	Lunch Break	5	6	Tea Break	7	8	Remarks
TIMINGS												
Monday												
Tuesday												
Wednesday												
Thursday												
Friday												
Saturday												

Syllabus

ME8351 MANUFACTURING TECHNOLOGY – I L T P C 3 0 0 3

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TEXT BOOKS:

1. Hajra Chouldhary S.K and Hajra Choudhury. AK., "Elements of workshop Technology", volume I a
Media promoters and Publishers Private Limited, Mumbai, 2008
2. Kalpakjian. S, "Manufacturing Engineering and Technology", Pearson Education India Edition, 20

Record of Attendance

DATE :

Period :

R.No.	AU Regd. No.	Name	M/F	H/D	No.of Arrears	1	2	3	4	5	6	7	8	9	10	11	12	13
						20.06.19	21.06.19	21.06.19	25.06.19	26.06.19	27.06.19	28.06.19	24.6.19	02.06.19	03.06.19	26.06.19	07.06.19	08.06.19
1BREMECC0	610518114001	AJithkumar. S	M	H		/	/	/	/	/	/	/	/	/	/	/	/	/
0002	4002	Amarnath. M	M	H		/	/	/	/	/	/	/	/	/	/	/	/	/
003	4003	Anbaresu. S	M	H		/	/	/	/	/	/	/	/	/	/	/	/	/
004	4004	Azhulmani. E	M	H		a	a	a	/	/	/	/	/	/	/	/	/	/
005	4005	Azhunkumar. S	M	H		/	/	/	/	/	/	/	a	/	/	/	/	/
006	4006	Bharath. R	M	H		a	a	a	/	/	/	a	a	/	/	/	/	/
007	4007	Bharathkumar. C	M	H		/	/	/	/	/	/	/	a	/	/	/	/	/
008	4008	Bhuvanesh. M	M	H		/	/	/	/	/	/	a	a	/	/	/	/	/
009	4009	Boopalan. S	M	H		a	a	a	/	a	a	a	a	/	/	/	/	a
010	4010	Deenadhayalan. P	M	H		a	a	a	a	a	a	a	a	a	a	a	a	a
011	4011	Deepthi Sree. S	F	H		/	/	/	/	/	/	/	/	/	/	/	/	/
012	4012	Dhinesh. M	M	H		a	a	a	/	/	/	/	/	/	/	/	/	/
013	4013	Dheenadhayalan. M	M	H		a	a	a	/	a	a	/	a	/	/	/	/	a
014	4014	Dinesh. G	M	H		a	a	a	/	/	/	/	a	/	/	/	/	a
015	4015	Dineshk	M	H		a	a	a	/	/	/	/	/	/	/	/	/	/
016	4016	Frank Jeevaraj. J	M	H		/	/	/	/	a	/	/	/	/	/	/	a	/
017	4017	Ganeshkumar. M	M	H		/	/	/	/	/	/	/	/	/	/	/	/	/
018	4018	Gokul. M	M	H		/	/	/	/	/	/	/	/	/	/	/	/	/
019	4019	Gokulakrishnan. M	M	H		/	/	/	/	/	/	/	/	/	/	/	/	/
021	4021	Gokulnath. M	M	H		/	/	/	/	/	a	/	/	/	/	/	/	/
022	4022	Gopinath. S	M	H		a	a	a	a	a	a	a	a	/	/	/	/	/
023	4023	Harikokul. V	M	H		/	/	/	/	a	a	/	/	/	/	/	a	/
024	4024	Jagadeeswaran. S	M	H		/	/	/	/	/	/	/	/	/	/	/	/	/
025	4025	Jayavanth. S	M	H		/	/	/	/	/	a	/	/	/	/	/	/	/
026	4026	Jayaprakash. C	M	H		/	/	/	/	a	a	a	/	/	/	/	a	a
No. of Students Present						16	16	16	23	18	17	21	16	24	23	24	21	20
No. of Students Absent						9	9	9	2	7	8	4	9	1	2	1	4	5
Faculty Initial																		

Internal Assessment

Test Marks out of 100					Assignment / Tutorial								PBL	IV 10	Sem	ABL I	ABL II	Attendance	Internal Mark	Univ Mark
CT 1	CT 2	ICT 1	ICT 2	M	1	2	3	4	5	6	7	8								
23	30	OD	AB	AB	3	4	6						4	10	4	4		94	14	B
40	73	50	66	50	7	8	8						4	10	3	3		100	15	B+
30	62	OD	27	AB	7	8	8						5	10	4	4		97	14	B
32	50	OD	24	02	6	7	7						4	10	9	8		100	14	UA
73	92	71	AB	50	10	10	10						10	10	9	8		82	19	B+
68	65	64	65	AB	9	8	9						3	10	9	7		100	16	B+
58	72	52	51	24	9	10	10						2	10	9	8		86	15	B
50	AB	50	50	08	8	10	10						4	10	6	7		94	14	U
15	37	50	21	15	6	6	6						1	10	4	3		80	14	U
AB	AB	AB	AB	AB	0	0	0						0	100		0		00	0	B
38	58	OD	36	AB	6	6	6						2	10	9	2		94	14	B
72	62	56	55	33	8	7	7						4	10	4	1		89	16	U
17	50	50	50	00	8	8	8						2	10	3	2		80	14	U
30	77	AB	54	AB	8	9	9						2	10	4	2		86	14	B
58	50	26	27	AB	6	7	6						2	10	5	2		91	14	U
50	67	50	22	00	7	8	8						10	10	10	1		94	14	U
63	60	AB	27	23	8	7	8						2	10	4	2		100	15	B
65	67	52	AB	23	8	8	8						3	10	3	2		94	15	B+
32	73	66	AB	50	10	10	10						5	10	9	10		99	17	U
08	58	OD	AB	02	6	6	7						4	10	4	2		93	14	UA
40	50	OD	28	AB	6	7	6						2	10	3	3		89	14	U
55	25	OD	AB	AB	6	5	4						2	10	2	4		91	14	U
58	67	OD	23	AB	4	6	6						2	10	4	0		92	14	U
35	AB	OD	AB	00	0	0	0						2	10	0	0		82	14	UA
28	10	OD	AB	00	0	0	0						3	10	0	0	V	83	14	UA

Record of Attendance

DATE :

Period :

R.No.	AU Regd. No.	Name	M/F	H/D	No.of Arrears	1	2	3	4	5	6	7	8	9	10	11	12	13
						26.06.15	27.06.15	31.06.15	29.06.15	26.06.15	24.06.15	28.06.15	29.06.15	02.07.15	03.07.15	06.07.15	07.07.15	08.07.15
						3	2	3	5	5	3	2	5	5	2	3	2	
1CSEMECOM	610515114027	Karthikeyan. S				/	a	a	/	/	/	/	/	/	/	/	/	
028	4028	Karthikeyan. R.R				a	a	a	a	a	/	a	/	/	/	/	/	a
029	4029	Karun. M				/	/	/	/	/	/	/	/	/	/	/	/	/
030	4030	Kishore. B				/	/	/	/	/	/	/	/	/	/	/	/	/
031	4031	Komagan. M U				/	/	/	/	/	a	a	/	a	/	/	/	/
032	4032	Lakshminarayanan				/	/	/	/	/	/	/	/	/	/	/	/	a
033	4033	Madhavan. S. G R.R				/	/	/	a	/	/	a	a	a	a	a	a	a
034	4034	Mali. Abhijith Rajaram				a	a	a	a	a	/	a	/	a	/	/	/	a
035	4035	Manoj. V. M				/	a	/	/	/	/	/	/	/	/	/	/	/
036	4036	Manoj kumar. S				a	a	a	a	/	a	a	a	a	a	/	a	a
037	4037	Manoj prabhakar. k				a	/	/	/	/	/	/	/	/	/	/	/	/
038	4038	Mohamed Asaraf. J				a	/	a	a	a	a	a	a	a	a	a	a	a
039	4039	Mohd. Salaman. H				a	/	/	/	/	/	/	/	/	/	/	/	/
040	4040	Mohanapriyan. M.				a	a	a	/	/	a	/	a	/	/	/	/	a
041	4041	Mohanraj. S				a	a	a	a	a	a	a	a	/	a	/	/	a
042	4042	Murali. M. P.				a	a	a	/	/	/	a	/	a	/	/	/	a
		Bharathraj. k				/												
		A.S. DHANRAJ					/											
		A. KAMALESHKUMAR																
		MOHAMED AJMAL M																
		SANKAVI PREETHA J.P.																
		VISHNUBALA. S.																
		INTHIYAS. C																
		S. NOORUL HUQ.																
No. of Students Present						7	8	8	11	11	12	12	7	13	11	14	13	07
No. of Students Absent						9	8	8	5	5	4	4	9	3.5	2	3	2	9
Faculty Initial																		

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Internal Assessment

Test Marks					Assignment / Tutorial								PBL	IV	Sem	ABL I	ABL II	Attendance	Internal Mark	Univ Mark
CT 1	CT 2	ICT 1	ICT 2	M	1	2	3	4	5	6	7	8								
AB	72	60	50	18	9	8	7						9		9	10	10	87	14	B
50	10	AB	AB	AB	0	0	0						0		0	0	10	100	18	U
72	75	72	77	60	10	10	10						10		10	10	10	100	14	O
28	58	31	54	26	2	2	2						3		4	4	10	92	14	UA
50	50	58	51	31	2	5	2						4		5	3	10	82	12	B
17	32	32	17	19	4	5	6						4		5	2	10	00	00	U
23	AB	AB	AB	AB	0	0	0						0		0	0	10	83	14	UA
35	37	66	27	50	4	3	4						4		4	4	10	100	14	B
57	39	50	52	24	6	7	6						6		7	7	10	77	14	U
25	20	OD	AB	OD	0	0	0						0		0	0	10	96	14	UA
57	58	OD	50	AB	8	6	6						7		9	8	10	93	14	U
23	AB	AB	AB	AB	0	0	0						0		0	0	10	00	00	UA
53	68	60	50	AB	7	8	7						7		7	6	10	99	16	B
52	67	50	51	24	0	0	0						0		0	0	10	73	15	B
AB	50	AB	AB	OD	5	5	4						5		5	6	10	85	14	UA
60	68	53	50	23	7	5	7						6		5	4	10	72	15	B
NA	50	AB	51	41	10	10	10						10		10	10	10	69	14	B
NA	90	AB	55	27	6	5	5						5		5	4	10	67	19	B
NA	50	AB	51	AB	5	5	5						5		5	3	10	68	14	B
NA	10	19	AB	AB	2	4	2						5		6	6	10	72	14	U
NA	50	AB	38	22	5	4	3						5		3	4	10	63	14	B+
NA	52	AB	50	30	5	4	3						5		4	3	10	62	15	B+
NA	55	AB	51	AB	4	3	4						5		2	4	10	69	14	U
NA	AB	AB	AB	AB	0	0	0						0		0	0		63	04	UA

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IINTERNAL ASSESSMENT - COURSE OUTCOME ANALYSIS

COURSE OUTCOME ANALYSIS

ACADEMIC YEAR 2019-20

Subject Code & Name:ME 8351 - Manufacturing Technology - I

Faculty Incharge:N.PANNEERSELVAM , SAP/MECH

Class: II year / III Semester - A sec

	Assessment		CT -1	CT -2	ICT -1		ICT -2										
Sl. No	Register Number	Name of the Student	CO 1	CO 2	CO 3	CO 4	CO 5	PO1	PO2	PO3	PO4	PO6	PO7	PO8	PSO1	PSO2	PSO3	Status(>70 A 50-70- B <50 - C)
1	610518114001	AJITHKUMAR .S	63	65	62	62	50	60	60	60	60	60	60	60	60	60	60	Grade B
2	610518114002	AMARNATH.M	72	73	50	50	66	62	62	62	62	62	62	62	62	62	62	Grade B
3	610518114003	ANBARASU .S	62	62	57	57	53	58	58	58	58	58	58	58	58	58	58	Grade B
4	610518114004	ARULMANI.E	63	50	59	59	52	57	57	57	57	57	57	57	57	57	57	Grade B
5	610518114005	ARUNKUMAR.S	73	92	71	71	50	71	71	71	71	71	71	71	71	71	71	Grade A
6	610518114006	BARATH.R	68	65	64	64	65	65	65	65	65	65	65	65	65	65	65	Grade B
7	610518114007	BHARATHKUMAR.C.S.	58	72	52	52	51	57	57	57	57	57	57	57	57	57	57	Grade B
8	610518114008	BHUVANESH.M	50	53	50	50	50	51	51	51	51	51	51	51	51	51	51	Grade B
9	610518114009	BOOBALAN.S	50	70	50	50	51	54	54	54	54	54	54	54	54	54	54	Grade B
10	610518114011	DEEPTHISHRIE.S	53	55	52	52	54	53	53	53	53	53	53	53	53	53	53	Grade B
11	610518114012	DHANESH.M	63	58	59	59	55	59	59	59	59	59	59	59	59	59	59	Grade B
12	610518114013	DHEENADHAYALAN.M	72	62	56	56	50	59	59	59	59	59	59	59	59	59	59	Grade B
13	610518114014	DINESH.G	59	77	50	50	54	58	58	58	58	58	58	58	58	58	58	Grade B
14	610518114015	DINESH.K	62	50	52	52	52	54	54	54	54	54	54	54	54	54	54	Grade B
15	610518114016	FRANK JEEVARAJ.J	53	67	62	62	56	60	60	60	60	60	60	60	60	60	60	Grade B
16	610518114017	GANESHKUMAR.M	50	60	50	50	58	54	54	54	54	54	54	54	54	54	54	Grade B
17	610518114018	GOKUL.M	63	67	52	52	50	57	57	57	57	57	57	57	57	57	57	Grade B
18	610518114019	GOKULAKRISHNAN.M	65	73	52	52	50	58	58	58	58	58	58	58	58	58	58	Grade B
19	610518114021	GOKULNATH.M	63	53	66	66	50	60	60	60	60	60	60	60	60	60	60	Grade B
20	610518114022	GOPINATH.S	52	50	59	59	53	55	55	55	55	55	55	55	55	55	55	Grade B
21	610518114023	HARIGOKUL.V	53	62	59	59	50	57	57	57	57	57	57	57	57	57	57	Grade B
22	610518114024	JAGATHEESHWARAN.S	55	67	56	56	56	58	58	58	58	58	58	58	58	58	58	Grade B
23	610518114025	JAYANANTH.S	53	53	59	59	50	55	55	55	55	55	55	55	55	55	55	Grade B
24	610518114026	JAYAPRAKASH.C	56	56	56	56	50	55	55	55	55	55	55	55	55	55	55	Grade B
25	610518114027	KARTHIKEYAN .S	53	72	59	59	50	59	59	59	59	59	59	59	59	59	59	Grade B
26	610518114028	KARTHIKEYAN.R	50	54	60	60	50	55	55	55	55	55	55	55	55	55	55	Grade B
27	610518114029	KARUN.M	51	75	52	52	77	61	61	61	61	61	61	61	61	61	61	Grade B
28	610518114030	KISHORE.B	72	58	72	72	54	66	66	66	66	66	66	66	66	66	66	Grade B
29	610518114031	KOMAGAN.M.U	62	50	64	64	51	58	58	58	58	58	58	58	58	58	58	Grade B
30	610518114032	LAKSHMINARAYANAN R.R	50	62	58	58	58	57	57	57	57	57	57	57	57	57	57	Grade B
31	610518114034	MALI ABHIJIT RAJARAM	56	63	62	62	59	60	60	60	60	60	60	60	60	60	60	Grade B
32	610518114035	MANOJ V.M	0	65	52	52	52	44	44	44	44	44	44	44	44	44	44	Grade C
33	610518114036	MANOJ KUMAR.S	65	56	66	66	50	61	61	61	61	61	61	61	61	61	61	Grade B

34	610518114037	MANOJ PRABAKAR.K	57	58	50	50	50	53	53	53	53	53	53	53	53	53	53	Grade B
35	610518114039	MOHAMMED SALMAAN .H	51	68	59	59	50	57	57	57	57	57	57	57	57	57	57	Grade B
36	610518114040	MOHANAPRIYAN.M	57	67	59	59	51	58	58	58	58	58	58	58	58	58	58	Grade B
37	610518114041	MOHANRAJ.S	0	50	52	52	50	41	41	41	41	41	41	41	41	41	41	Grade C
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	610518114301	BHARATHRAJ. K(LE)	52	50	50	50	51	51	51	51	51	51	51	51	51	51	51	Grade B
40	610518114302	DHANRAJ.A.S (LE)	54	90	53	53	55	61	61	61	61	61	61	61	61	61	61	Grade B
41	610518114303	INTHIYAS.C (LE)	60	55	53	53	51	54	54	54	54	54	54	54	54	54	54	Grade B
42	610518114305	KAMALESH KUMAR .A (LE)		50	52	52	51	51	51	51	51	51	51	51	51	51	51	Grade B
43	610518114306	MOHAMED AJMAL.M (LE)		56	55	55	50	54	54	54	54	54	54	54	54	54	54	Grade B
44	610518114308	NOORUL HUQ. M (LE)		0	52	52	50	39	39	39	39	39	39	39	39	39	39	Grade C
45	610518114311	SANKAVI PREETHA.D.P (LE)		50	63	63	56	58	58	58	58	58	58	58	58	58	58	Grade B
46	610518114313	VISHNU BALA. S (LE)		52	52	52	50	51	51	51	51	51	51	51	51	51	51	Grade B
		Total no of Presents	51	51	52	52	51											
		Total no of absentees	0	0	52	52	0											
		Total no of Pass	39	45	71	71	46											
		Total No of Fail	12	6	-19	-19	5											
		Percentage of Pass	76	88	137	137	90											

No of A Grade(>70)	1
No of B Grade(5 0 - 70)	41
No of C Grade (<50)	3
% of A Grade	8
% of B Grade	89
% of C Grade	6
Target	**70%**
PO Attainment (A+B)	**97%**

HoD

Reg. No. :

Question Paper Code : 53301

B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2019.

Third/Fifth Semester

Mechanical Engineering

ME 6302 — MANUFACTURING TECHNOLOGY — I

(Common to Mechanical Engineering (Sandwich), Industrial Engineering, Industrial Engineering and Management, Mechanical and Automation Engineering)

(Regulation 2013)

(Also Common to PTME 6302 Manufacturing Technology – I for B.E. (Part Time) – Second Semester – Mechanical Engineering – Regulation 2014)

Time : Three hours — Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the characteristics of a core?
2. Name the alloys which are generally die cast. Why are aluminium alloys preferably cast in cold chamber die casting machines?
3. Why is spot welding commonly used in automotive bodies and in large appliances?
4. What is the role of flux in welding operation?
5. How can you reduce the 'roll force" in a roiling process?
6. Differentiate between hot and cold forging.
7. How are sheet metal operations classified and what are they?
8. What is flanging?
9. What is the need for Rotational moulding in manufacturing plastic components?
10. Make a note on Polymerization.

PART B — (5 × 13 = 65 marks)

11. (a) With neat sketchea, explain the sand casting process.

Or

(b) With a neat sketch, explain the Principle of the Investment casting process.

12. (a) (i) Explain the equipment of an Oxy-Acetylene gas welding.

(ii) Explain about the equipment and operation of GTAW process.

Or

(b) (i) Explain the variants of Thermit welding process.

(ii) Explain the Resistance spot Welding process with a neat sketch.

13. (a) With neat diagram explain the process of forward extrusion. Explain also how hollow sections can be produced in this process.

Or

(b) A 300 mm wide strip 25 mm thick is fed through a rolling mill with two Powered rolls each of radius 250 mm. The work thickness is to be reduced to 22 mm in one pass at a roll Speed of 50 rev/min. The Work material has a flow curve defined by K = 275 MPa and n = 0.15 and the coefficient of friction between the rolls and the work is assumed to be 0.12. Determine if the friction is sufficient to permit the rolling operation to be accomplished. If so, calculate the roll force, torque and horsepower.

14. (a) (i) Explain the various sheet metal forming operations with neat sketches.

(ii) Discuss with neat sketch the working of metal spinning process.

Or

(b) With neat sketches explain the following (i) Hydro forming and (ii) Super plastic forming.

15. (a) (i) Write the difference between thermoplastics and thermosetting plastics.

(ii) Explain the blow moulding process.

Or

(b) (i) Explain the calendering process.

(ii) Describe any two types of thermoforming process.

PART C — (1 × 15 = 15 marks)

16. (a) Derive the mathematical expression for the Flat strip metal process to calculate the rolling load. (15)

Or

(b) A casting is required to have the following composition : C-3.25%, Si-1.8%, Mn-0.6%, P-0.5% and S-0.1%. Determine the weight of pig iron from pile A and Pile B to be Picked up in each metal charge if the charge (200 kg) is to contain pig iron –50% foundry return –40% and Purchased scrap – 10%. Analysis of these metals is as follows : (15)

Metal	Si%	Mn%	S%	P%
Pig iron (pile A)	2.4	0.9	0.05	0.4
Pig iron (pile B)	1.4	0.95	0.05	0.35
Foundry returns	1.7	0.6	0.06	0.3
Purchased scrap	2.2	0.7	0.07	0.25

EXTERNAL ASSESSMENT (AS PER UNIVERSITY RESULTS)

CO/PO MAPPING OUTCOME ANALYSIS

ACADEMIC YEAR 2019-20

UNIVERSITY EXAMINATION RESULT

Subject Code & Name:ME 8351 – Manufacturing Technology - I

Faculty Incharge:N.PANNEERSELVAM , SAP/MECH

Class: II year / III Semester - A sec

Sl. No	Register Number	Name of the Student	Grade	Equavalent Points	PO1	PO2	PO3	PO4	PO6	PO7	PSO1	PSO3	Status(> 70 - A 50-70- B <50 - C)
1	610518114001	AJITHKUMAR .S	B	50	50	50	50	50	50	50	50	50	Grade B
2	610518114002	AMARNATH.M	B+	60	60	60	60	60	60	60	60	60	Grade B
3	610518114003	ANBARASU .S	B	50	50	50	50	50	50	50	50	50	Grade B
4	610518114004	ARULMANI.E	UA	0	0	0	0	0	0	0	0	0	Grade B
5	610518114005	ARUNKUMAR.S	B+	60	60	60	60	60	60	60	60	60	Grade B
6	610518114006	BARATH.R	B+	60	60	60	60	60	60	60	60	60	Grade B
7	610518114007	BHARATHKUMAR.C.S.	B	50	50	50	50	50	50	50	50	50	Grade B
8	610518114008	BHUVANESH.M	U	0	0	0	0	0	0	0	0	0	Grade B
9	610518114009	BOOBALAN.S	U	0	0	0	0	0	0	0	0	0	Grade B
10	610518114011	DEEPTHISHRIE.S	B	50	50	50	50	50	50	50	50	50	Grade B
11	610518114012	DHANESH.M	B	50	50	50	50	50	50	50	50	50	Grade B
12	610518114013	DHEENADHAYALAN.M	U	0	0	0	0	0	0	0	0	0	Grade B
13	610518114014	DINESH.G	U	0	0	0	0	0	0	0	0	0	Grade B
14	610518114015	DINESH.K	B	50	50	50	50	50	50	50	50	50	Grade B
15	610518114016	FRANK JEEVARAJ.J	U	0	0	0	0	0	0	0	0	0	Grade B
16	610518114017	GANESHKUMAR.M	U	0	0	0	0	0	0	0	0	0	Grade B
17	610518114018	GOKUL.M	B	50	50	50	50	50	50	50	50	50	Grade B
18	610518114019	GOKULAKRISHNAN.M	B+	60	60	60	60	60	60	60	60	60	Grade B
19	610518114021	GOKULNATH.M.	U	0	0	0	0	0	0	0	0	0	Grade B
20	610518114022	GOPINATH.S	UA	0	0	0	0	0	0	0	0	0	Grade B
21	610518114023	HARIGOKUL.V	U	0	0	0	0	0	0	0	0	0	Grade B
22	610518114024	JAGATHEESHWARAN.S	U	0	0	0	0	0	0	0	0	0	Grade B
23	610518114025	JAYANANTH.S	UA	0	0	0	0	0	0	0	0	0	Grade B
24	610518114026	JAYAPRAKASH.C	UA	0	0	0	0	0	0	0	0	0	Grade B
25	610518114027	KARTHIKEYAN .S	B	50	50	50	50	50	50	50	50	50	Grade B
26	610518114028	KARTHIKEYAN.R	U	0	0	0	0	0	0	0	0	0	Grade B

27	610518114029	KARUN.M	B	50	50	50	50	50	50	50	50	50	Grade B
28	610518114030	KISHORE.B	UA	0	0	0	0	0	0	0	0	0	Grade B
29	610518114031	KOMAGAN.M.U	B	50	50	50	50	50	50	50	50	50	Grade B
30	610518114032	LAKSHMINARAYANAN R.R	U	0	0	0	0	0	0	0	0	0	Grade B
31	610518114034	MALI ABHIJIT RAJARAM	B	50	50	50	50	50	50	50	50	50	Grade B
32	610518114035	MANOJ V.M	U	0	0	0	0	0	0	0	0	0	Grade B
33	610518114036	MANOJ KUMAR.S	UA	0	0	0	0	0	0	0	0	0	Grade B
34	610518114037	MANOJ PRABAKAR.K	U	0	0	0	0	0	0	0	0	0	Grade B
35	610518114039	MOHAMMED SALMAAN .H	B	50	50	50	50	50	50	50	50	50	Grade B
36	610518114040	MOHANAPRIYAN.M	B	50	50	50	50	50	50	50	50	50	Grade B
37	610518114041	MOHANRAJ.S	UA	0	0	0	0	0	0	0	0	0	Grade B
38	610518114042	MURALI .M.P	B	50	50	50	50	50	50	50	50	50	Grade B
39	610518114301	BHARATHRAJ. K(LE)	B	50	50	50	50	50	50	50	50	50	Grade B
40	610518114302	DHANRAJ.A.S (LE)	B	50	50	50	50	50	50	50	50	50	Grade B
41	610518114303	INTHIYAS.C (LE)	U	0	0	0	0	0	0	0	0	0	Grade B
42	610518114305	KAMALESH KUMAR .A (LE)	B	50	50	50	50	50	50	50	50	50	Grade B
43	610518114306	MOHAMED AJMAL.M (LE)	U	0	0	0	0	0	0	0	0	0	Grade B
44	610518114311	SANKAVI PREETHA.D.P (LE)	B+	60	60	60	60	60	60	60	60	60	Grade B
45	610518114313	VISHNU BALA. S (LE)	B+	60	60	60	60	60	60	60	60	60	Grade B
		Total no of Pass		32							PO attainment	65.3		
		Total No of Fail		19							Target	70		
		Percentage of Pass		65.3							Justification	-4.70%		

HoD

Program Exit Survey (Sample)

S.No	Department	Link
1	Civil Engineering	http://www.dgct.ac.in/naac/c2/2.6.2_survey.pdf
2	Computer Science and Engineering	
3	Electronics and Communication Engineering	
4	Electrical and Electronics Engineering	
5	Mechanical Engineering	