

SSBT's College of Engineering and Technology, Bambhori, Jalgaon

Department of Chemical Engineering

Students Enrolled in Internship: 2022-23

B.E. Final Year

Sr. No.	Name of Student	Name of Company	Name of Topic	Duration
1	Amit Deshpande	Gauri Agrotech Products Pvt. Ltd. Jalna	Production	21 days
2	Tejas Mahajan	Chopade Perfumery Private Ltd, Malkapur	Production	21 days
3	Vaibhav Kinage			
4	Pawan Rane			
5	Sachin Patil			
6	Kiran Rathod	Jain Farm fresh Foods Ltd Jalgaon	Production	21 days
7	Mude Aachal	Chemsys Process Engineering Pvt Ltd, Pune	Process	21 days
8	Desale Arpita			
9	Nilofar Mansuri			
10	Ashitosh Rajput	Aarti Industries Ltd. Vapi	Production	30 days
11	Nikhil Saner			
12	Suyog Patil			
13	Vivek Bhadane			
14	Dinesh Kumbhar	Shri Sairam Plastics & Irrigation, Nashirabad	Industrial water management and zero discharge	21 days
15	Chetan Patil			
16	Lalit Patil	Jain Irrigation Systems Ltd. Jalgaon	PVC manufacturing plant	23 days
17	Girase Kaushal	S V Engineering & Consultancy Services	Design	30 days
18	Ajit Yadav			
19	Amolkumar Thakur			
20	Kedar Patil			
21	Jadhav Bhagyashri	Lupin Ltd Boisar	Quality Control	21 days
22	Patil Janhavi			
23	Rahul Shirame	Acme Sujan Chemicals Jalgaon	Production	23 days
24	Anmol Koli			
25	Shubham Patil	Sunshine Coalmin Pvt Ltd. Surat	Production	23 days
26	Jayesh Patil	VVF(India) Ltd. Taloja	Production	21 days
27	Satyapal Mungal			
28	Nilesh Patil			
29	Shubham Chaudhari	Navalprabha Foods, Jalgaon	Production	30 days
30	Hemantsing Girase	KATS Services Corporation, Baroda	Production	21 days
31	Nikam Parag	Flamingo Mines Company Pvt. Ltd. Nashik	Production	30 days
32	Vaibhav Salunkhe	Danav Green Tech Services, Pune	Hydrogen Energy Systems	30 days

HOD
Head of the dept
Chemical Engg.
College of Engg. & Tech
Post. Box No. 94, Jalgaon

SSBT's College of Engineering and Technology, Bambhori, Jalgaon

Department of Chemical Engineering

Students Enrolled in Internship: 2022-23

Third Year

Sr. No.	Name of Student	Name of Company	Name of Topic	Duration
1	Narendra Bhadane	Terra Green	Petroleum Refinery Engineering	30 days
2	Nayan Chaudhari	Patil Agrochemicals, Parola	Plant growth regulatory	21 days
3	Pragati Chaudhari	Danav Green Tech Services, Pune	Hydrogen Energy Systems	30 days
4	Pravin Dhangar	Patil Agrochemicals, Parola	Plant growth regulatory	21 days
5	Vaibhav Moris	Danav Green Tech Services, Pune	Hydrogen Energy Systems	30 days
6	Chetan Nikam	Patil Agrochemicals, Parola	Plant growth regulatory	21 days
7	Harshad Patil	Danav Green Tech Services, Pune	Hydrogen Energy Systems	30 days
8	Mahesh Patil	Patil Agrochemicals, Parola	Plant growth regulatory	21 days
9	Vaishnavi Patil	Danav Green Tech Services, Pune	Hydrogen Energy Systems	30 days
10	Himanshu Pawar	Indian Institute of Chemical Engineers	Chemical Process Technology	30 days
11	Nikhil Rajput	Danav Green Tech Services, Pune	Hydrogen Energy Systems	30 days
12	Tanmay Rajput	Terra Green	MATLAB and CHEMCAD	30 days
13	Gaurav Shende	Danav Green Tech Services, Pune	Hydrogen Energy Systems	30 days
14	Vinod Vasave	Patil Agrochemicals, Parola	Plant growth regulatory	21 days
15	Devendra Zambare	Indian Institute of Chemical Engineers	Petrochemical Engineering	30 days
16	Yogesh Kokane	Danav Green Tech Services, Pune	Hydrogen Energy Systems	30 days


Head of the dept
Chemical Engg.
College of Engg. & Tech,
Post. Box No. 94, Jalgaon

LECTURE PLAN

Class: S.E. Chemical Engineering

Semester: III

Year: 2022-2023

Subject: Industrial Chemistry

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	01/08/2022	Unit-I: General Aspects of Industrial Chemistry, Chemical Processing	✓ 01.8.22
2	01/08/2022	Chemical Conversion & Yield, Characteristics of Chemical Conversions	✓ 01.8.22
3	02/08/2022	Unit Process and Unit Operations, Flowcharts	✓ 02.08.22
4	02/08/2022	Batch and Continuous Processes, Role of Chemical Engineer in Industries	✓ 02.08.22
5	08/08/2022	Petroleum: Origin and Composition, Petroleum Mining	✓ 2.2.8.22
6	08/08/2022	Refining, Compositions and Uses of Main Petroleum Fractions	✓ 2.8.22
7	22/08/2022	Cracking & Its Importance in Chemical Industries	✓ 2.8.22
8	22/08/2022	Octane Number, Improving Octane Number, Chemicals from Petroleum	✓ 2.8.22
9	22/08/2022(E)	Unit-II: Industrial Synthesis, Manufacture of Methanol from Synthesis Gas	✓ 29.8.22
10	23/08/2022	Isopropanol from Propylene, Glycerol from Propylene via Allyl Chloride	✓ 29.8.22
11	23/08/2022	Acetone by Catalytic Dehydrogenation of Isopropanol	✓ 30.8.22
12	23/08/2022(E)	Alkylation & Acylation	✓ 20.8.22
13	29/08/2022	Alkylation of Benzene & Phenol, Hydrogenation	✓ 29.8.22
14	29/08/2022	Hydrogenation of Nitrobenzene, Reductive Alkylation	✓ 29.8.22
15	30/08/2022	Unit-III: Oxidation: Types of Oxidative Reactions	✓ 30.8.22
16	30/08/2022	Oxidation of Acetylene, Oxidation of Toluene	✓ 30.8.22
17	05/09/2022	ISE-I	✓ 12.9.22
19	19/09/2022	Oxidation of Xylene, Oxidation of Methanol	✓ 19.9.22
19	19/09/2022	Nitration: Nitrating Agents, Mechanism of Nitration of Benzene	✓ 19.9.22
20	19/09/2022(E)	Working of Schmid Nitrator, Biazzi Nitrator	✓ 20.9.22
21	20/09/2022	Nitration of Benzene with HNO ₃ -Fortified Spent Acid	✓ 20.9.22
22	20/09/2022	Manufacture of p-Nitroacetanilide, Manufacture of α-Nitronaphthalene	✓ 20.9.22
23	20/09/2022(E)	Unit-IV: Sulphonation: Mechanism of Sulphonation of Benzene	✓ 20.9.22
24	26/09/2022	Working of Batch Sulphonation Kettle, Bal'-Mill Sulfonator	✓ 25.9.22

✓
(V.P. Sangani)

Head of the Dept.
Chemical Engg.
College of Engg. & Tech.
Post. Box No. 04, Jalgaon

[illegible]

Attendance Sheet

Teacher: V. P. Sangore

Subject: Industrial Chemistry

Class: SE CHEMICAL

Academic year 2022-23

Month>>&	
--	--

V. P. Sangore

SUBJECT TEACHER

DR.V.R.DIWARE

HOD CHEMICAL ENGG.

Head of the dept.

Chemical Engg.

College of Engg. & Tech,

Post. Box No. 94, Jalgaon

LECTURE PLAN

Class: D.S.E. Chemical Engineering

Semester: III

Year: 2022-2023

Subject: Industrial Chemistry

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	05/12/2022	Unit-I: General Aspects of Industrial Chemistry, Chemical Processing	5.12.22
2	05/12/2022	Chemical Conversion & Yield, Characteristics of Chemical Conversions	5.12.22
3	06/12/2022	Unit Process and Unit Operations, Flowcharts, Batch and Continuous Processes, Role of Chemical Engineer in industries	6.12.22
4	06/12/2022(E)	Petroleum: Origin and Composition, Petroleum Mining, Refining, Compositions and Uses of Main Petroleum Fractions	6.12.22
5	12/12/2022	Cracking & Its Importance in Chemical Industries, Octane Number, Improving Octane Number, Chemicals from Petroleum	12.12.22
6	12/12/2022	Unit-II: Industrial Synthesis, Manufacture of Methanol from Synthesis Gas, Isopropanol from Propylene	12.12.22
7	13/12/2022	Glycerol from Propylene via Allyl Chloride, Acetone by Catalytic Dehydrogenation of Isopropanol	13.12.22
8	13/12/2022(E)	Alkylation & Acylation, Alkylation of Benzene & Phenol, Hydrogenation	13.12.22
9	17/12/2022	ISE-I	17.12.22
10	26/12/2022	Hydrogenation of Nitrobenzene, Reductive Alkylation	18.12.22
11	26/12/2022	Unit-III: Oxidation: Types of Oxidative Reactions	26.12.22
12	27/12/2022	Oxidation of Acetylene, Oxidation of Toluene	26.12.22
13	27/12/2022(E)	Oxidation of Xylene, Oxidation of Methanol	27.12.22
14	02/01/2023	Nitration: Nitrating Agents, Mechanism of Nitration of Benzene	27.12.22
15	02/01/2023	Working of Schmid Nitrator, Biazzi Nitrator	02.1.23
16	03/01/2023	Nitration of Benzene with HNO ₃ -Fortified Spent Acid	02.1.23
17	03/01/2023(E)	Manufacture of p-Nitroacetanilide, Manufacture of α-Nitronaphthalene	03.1.23
19	09/01/2023	Unit-IV: Sulphonation: Mechanism of Sulphonation of Benzene	03.1.23
19	09/01/2023	Working of Batch Sulphonation Kettle, Ball-Mill Sulfonator	09.1.23
20	10/01/2023	Continuous Partial Pressure Sulphonation of Benzene	09.01.23
21	10/01/2023(E)	Sulfation of Lauryl Alcohol, Dimethyl Ether	10.1.23
22	16/01/2023	Halogenation, Mechanism of Halogenation	10.1.23
23	16/01/2023	Manufacture of Chloral	16.1.23
24	17/01/2023	Manufacture of Monochloroacetic Acid, Chlorination of Toluene	16.1.23

(V.P. Sangam)

Head of the Dept.
Chemical Engg.

[illegible]

LECTURE PLAN

Class: S.E. Chemical Engineering

Semester: III

Year: 2021-2022

Subject: Thermodynamics-I

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	03/08/2022	Unit-I: Introduction – Scope & Limitations of Thermodynamics	X 3.8.22
2	04/08/2022	Basic Definitions and Terms, Dimensions and Units	X 3.8.22
3	05/08/2022	Temperature, Pressure, Work, Energy, Heat Energy Conservation	X 4.8.22
4	10/08/2022	First Law of Thermodynamics;	X 5.8.22
5	10/08/2022(E)	State Functions; Equilibrium; Reversible Process; Constant P,V,T Processes,	X 2.8.22
6	11/08/2022	Adiabatic Expansion of Ideal Gas, Mass & Energy Balances for Open Systems	X 12.8.22
7	12/08/2022	Types of Heat of Reactions, Standard Heats of Formation, Problems	X 18.8.22
8	17/08/2022	Hess's Law of Constant Heat Summation	X 19.8.22
9	17/08/2022(E)	Unit-II: Gibb's Phase Rule; Phases, Component, Degree of Freedom	X 24.8.22
10	18/08/2022	Single Component Water System	X 24.8.22
11	19/08/2022	Two Phase Systems, Phase Transitions	X 25.8.22
12	24/08/2022	Phase Diagrams: Classification and Usefulness, PVT Behavior	X 26.8.22
13	24/08/2022(E)	General Characteristics of Gases, Gas Laws, Ideal Gas Law, Problems	X 27.9.22
14	25/08/2022	Compressibility Factor, Vander Waals Equations of State, Problems	X 28.9.22
15	26/08/2022	Reduced Conditions & Corresponding States Theories	X 29.9.22
16	29/08/2022(E)	Heat Effects-Latent Heat, Sensible Heat	X 30.9.22
17	30/08/2022(E)	Unit-III: Limitations of First Law, Spontaneous Processes	X 08.9.22
19	01/09/2022	Criteria of Spontaneity, Statements of The Second Law	X 09.9.22
19	02/09/2022	Significance of Entropy, Mathematical Statement of the Second Law	X 14.9.22
20	06/09/2022	ISE-I	X 10.9.22
21	07/09/2022	Entropy; Entropy Changes of an Ideal Gas and for a Chemical Reaction	X 11.9.22
22	07/09/2022(E)	Carnot's Cycle, Calculation of Efficiency	X 15.9.22
23	08/09/2022	Entropy Balance for Open Systems.,Problems	X 16.9.22
24	09/09/2022	Unit-IV: Thermodynamic Property of Fluids, Application of Thermodynamics	X 21.9.22

X
(V.P. Sanghvi)


Head of the Dept.
Chemical Engg.
College of Engg. & Tech.
Post. Box No. 94, Jalgaon

[illegible]

Attendance Sheet

Subject: Thermodynamics-I

Teacher: V. P. Sangore

Class: SE CHEMICAL

Academic year 2022-23

7

V. P. Sangore
SUBJECT TEAC

DR.V.R.DIWARE

HOD CHEMICAL ENGG.

Head of the dept.

Chemical Engg.

College of Eng. & Tech.

Post. Box No. 94 Jalgaon-

LECTURE PLAN

Class: D.S.E. Chemical Engineering

Semester: III

Year: 2021-2022

Subject: Thermodynamics-I

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	07/12/2022	Unit-I: Introduction – Scope & Limitations of Thermodynamics, Basic Definitions and Terms, Dimensions and Units	07.12.22
2	07/12/2022(E)	Temperature, Pressure, Work, Energy, Heat Energy Conservation, First Law of Thermodynamics	07.12.22
3	08/12/2022	State Functions; Equilibrium; Reversible Process; Constant P, V, T Processes	08.12.22
4	09/12/2022	Adiabatic Expansion of Ideal Gas	09.12.22
5	14/12/2022	Mass & Energy Balances for Open Systems, Types of Heat of Reactions, Standard Heats of Formation, Hess's Law of Constant Heat Summation	10.12.22
6	14/12/2022(E)	Unit-II: Gibb's Phase Rule; Phases, Component, Degree of Freedom, Single Component Water System	10.12.22
7	15/12/2022	Two Phase Systems, Phase Transitions, Phase Diagrams: Classification and Usefulness, PVT Behavior	14.12.22
8	16/12/2022	General Characteristics of Gases, Gas Laws, Ideal Gas Law, Problems	14.12.22
9	17/12/2022	Compressibility Factor, Vander Waals Equations of State, Problems	17.12.22
10	26/12/2022	ISE-I	17.12.22
11	26/12/2022	Reduced Conditions & Corresponding States Theories, Heat Effects- Latent Heat, Sensible Heat	18.12.22
12	21/12/2022	Unit-III: Limitations of First Law, Spontaneous Processes	21.12.22
13	21/12/2022(E)	Criteria of Spontaneity, Statements of The Second Law	21.12.22
14	22/12/2022	Significance of Entropy, Mathematical Statement of the Second Law	22.12.22
15	23/12/2022	Entropy; Entropy Changes of an Ideal Gas and for a Chemical Reaction	23.12.22
16	28/12/2022	Carnot's Cycle, Calculation of Efficiency	28.12.22
17	28/12/2022(E)	Entropy Balance for Open Systems, Problems	28.12.22
19	29/12/2022	Unit-IV: Thermodynamic Property of Fluids, Application of Thermodynamics	04.1.23
19	30/12/2022	Flow Processes Pumps, Compressors and Turbines	04.1.23
20	04/01/2023	Rankine Cycle, Enthalpy & Free Energy	05.1.23
21	04/01/2023 (E)	Effect of Temperature on Enthalpy Change, Gibbs Helmholtz Equation	06.1.23
22	05/01/2023	Chemical Equilibrium, Criteria of Chemical Equilibrium	11.1.23
23	06/01/2023	Characteristics of Chemical Equilibrium, Equilibrium Constant	11.1.23
24	11/01/2023	Le-Chateliers Principle	12.1.23
24	11/01/2023	Application of Le-Chateliers in Manufacture of Ammonia	12.1.23

(V.P. Sangam)

Head of the Dept.
Chemical Engg.
College of Engg. & Tech.
Dist. Box No. 94, Jodhpur

[illegible]

LECTURE PLAN

Class: S.E. Chemical Engineering

Semester: III

Year: 2022-2023

Subject: Fluid Mechanics

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	02/08/2022	Unit - I : Fundamental concepts of fluid flow	8-2/8/22
2	04/08/2022	equation of continuity, Mechanism of com. non compressible fluid	8-4/8/22
3	05/08/2022	Reynolds number, significance	8-5/8/22
4	11/08/2022	Bernoulli's theorem	8-12/8/22
5	12/08/2022	Distribution of velocities and fluid flow profiles	8-18/8/22
6	12/08/2022(E)	Friction factor, friction losses in pipes	8-12/9/22
7	18/08/2022	Roughness factor and its significance, Pipe fittings, equ. fittings	8-23/8/22
8	19/08/2022	Energy losses due to sudden contraction and expansion	8-25/8/22
9	20/08/2022(E)	Unit - II : Boundary layer theory	8-25/8/22
10	23/08/2022	Velocity profile and boundary layer growth along a flat plate	8-30/8/22
11	23/08/2022	Thickness of boundary layer (definition and formulae only)	8-30/8/22
12	23/08/2022(E)	Separation of boundary layer	8-1/9/22
13	25/08/2022	boundary layer calculations for turbulent flows	8-1/9/22
14	26/08/2022	Dimensional analysis, Buckingham's PI theorem	8-2/9/22
15	30/08/2022	Dimensionless numbers	8-6/9/22
16	30/08/2022(E)	Application to fluid flow problem.	8-8/9/22
17	06/09/2022	ISE-I	8-9/9/22
19	08/09/2022	Unit - III : Flow measuring devices for compressible fluids	8-15/9/22
19	09/09/2022	Orificemeter	8-16/9/22
20	10/09/2022(E)	Venturimeter	8-20/9/22
21	13/09/2022	Rotameter	8-22/9/22
22	15/09/2022	Pitot tube	8-23/9/22
23	16/09/2022	Notches and weir	8-27/9/22
24	20/09/2022	Gas flow meters, Coefficient of discharge and calculations	8-28/9/22
25	20/09/2022(E)	Unit - IV : Transportation of fluids, Reciprocating pumps	8-30/9/22

Dr. P. V. Ghate

**Head of the dept.
Chemical Engg.**

College of Engg. & Tech.
Post Bag No. 04, Jalgaon

Lecture No.	Date	Topics to be covered	Topics covered
26	22/09/2022	centrifugal pumps	84/10/22
27	23/09/2022	Pump characteristics	84/10/22
28	24/09/2022(E)	Diaphragm pumps	84/10/22
29	27/09/2022	Gear pumps	84/10/22
30	29/09/2022	Pump selection and trouble shooting of pumps	84/10/22
31	30/09/2022	Pump power calculations Rotary pumps, screw pumps	84/10/22
32	01/10/2022(E)	Priming, cavitation, NPSH of pumps	84/10/22
33	04/10/2022	Unit-V: Fluidization, aggregate and particulate fluidization	84/10/22
34	06/10/2022	Packed pressure drop in packed beds	84/10/22
35	07/10/2022	ISE-II	84/10/22
36	08/10/2022	Minimum fluidization velocity, entrainment in fluidization	84/10/22
37	11/10/2022	Kazenger karma equation Loading and flooding in packed beds	84/10/22
38	13/10/2022	Industrial application	84/10/22
39	14/10/2022	Packing materials and their selection criteria	84/10/22
40	17/10/2022	ISE-III	84/10/22


 Dr. N. Y. Ghare

Head of the dept.
 Chemical Engg.
 College of Engg. & Tech,
 Post. Box No. 04, Jalgaon

SSBT's College of Engineering and Technology, Bambhori, Jalgaon																																										
CHEMICAL ENGINEERING DEPARTMENT																																										
Attendance Sheet																																										
Teacher: Dr. N. Y. Ghare										Subject: Fluid Mechanics																																
Class: SE CHEMICAL										Academic year 2022-23																																
Month>>>>>>>>		Aug-22										Sep-22										Oct-22										Nov-22										
R.No	Lecture No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	Total
	Dates:-	2	4	5	12	18	19	23	25	25	30	30	1	1	2	6	8	9	15	16	20	22	23	27	29	30	4	4	6	6	7	7	13	13	14	18	28	28	1	1	3	
1	Bhoi Jagdish Raghunath	A	1	2	3	4	A	A	5	6	7	8	9	A	A	10	11	12	13	14	15	16	17	A	A	18	A	5	6	7	8	10	27	28	29	30	31	32	33	34	A	34
2	Koli Prem Sanjay	A	1	2	3	4	5	6	7	A	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	A	A	8	9	10	11	12	13	14	30	31	32	33	34	35	36	36
3	Patel Dev Vasant	1	2	A	3	A	4	5	6	A	7	8	A	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	36
4	Patil Tejas Dilraj	A	1	2	3	4	5	6	7	A	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	A	8	9	10	11	12	13	14	29	30	31	32	33	34	A	34
5	Yeole Rahul Ramesh	1	2	A	3	A	A	4	5	6	A	7	8	A	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	35

Dr. N. Y. Ghare
SUBJECT TEACHER

Dr. V. R. DIWARE
HOD CHEMICAL ENGG.

Head of the dept
Chemical Engg.
College of Engg. & Tech
Post. Box No. 94, Jalgaon

LECTURE PLAN

Class: D.S.E.Chemical Engineering

Semester: III

Year: 2022-2023

Subject: Fluid Mechanics

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	06/12/2022	Unit - I : Fundamental concepts of fluid flow, Equation of continuity, Mechanism of com. non compressible fluid	6/12/22
2	07/12/2022	Reynolds number, significance, Bernoulli's theorem	7/12/22
3	08/12/2022	Distribution of velocities and fluid flow profiles	8/12/22
4	13/12/2022	Friction factor, friction losses in pipes	13/12/22
5	13/12/2022(E)	Roughness factor and its significance, Pipe fittings, equ. fittings	15/12/22
6	15/12/2022	Energy losses due to sudden contraction and expansion	15/12/22
7	16/12/2022	Unit - II : Boundary layer theory	16/12/22
8	16/12/2022(E)	Velocity profile and boundary layer growth along a flat plate	22/12/22
9	22/12/2022	Thickness of boundary layer (definition and formulae only)	23/12/22
10	22/12/2022(E)	Separation of boundary layer	23/12/22
11	23/12/2022	boundary layer calculations for turbulent flows	27/12/22
12	27/12/2022	Dimensional analysis, Buckingham's PI theorem	27/12/22
13	27/12/2022(E)	Dimensionless numbers, Application to fluid flow problem.	29/12/22
14	29/12/2022	Unit - III : Flow measuring devices for compressible fluids	29/12/22
15	29/12/2022	Orificemeter, Venturimeter	30/12/22
16	30/12/2022	Rotameter, Pitot tube	30/12/22
17	30/12/2022(E)	Notches and weir	31/12/22
19	03/01/2023	Gas flow meters, Coefficient of discharge and calculations	31/12/22
19	03/01/2023(E)	Unit - IV : Transportation of fluids, Reciprocating pumps	5/1/23
20	05/01/2023	Centrifugal pumps, Pump characteristics	5/1/23
21	05/01/2023(E)	Diaphragm pumps, Gear pumps	6/1/23
22	06/01/2023	Pump selection and trouble shooting of pumps	6/1/23
23	06/01/2023(E)	Pump power calculations Rotary pumps, screw pumps	10/1/23
24	10/01/2023	Priming, cavitation, NPSH of pumps	10/1/23
25	10/01/2023 (E)	Unit-V: Fluidization, aggregate and particulate fluidization Packed	12/1/23

Dr. H. Y. Ghase

Head of the Dept.
Chemical Engg.
College of Engg. & Tech.
Post. Box No. 111

Attendance Sheet

Teacher: Dr. N. Y. Ghare
Class: DSE CHEMICAL

Subject: Fluid Mechanics

Academic year 2022-23

R.No		Lecture No.		Dec-22												Jan-23																			
Name		Dates:-		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
1	CHAVAN SIDDHU SURYAKANT	6	7	8	13	15	15	16	22	23	23	27	27	29	29	30	30	30	3	3	5	5	6	6	10	10	12	13	17	19	24	27	31		
2	PRATHAMESH SUNIL KUKUSTE	1	2	3	A	A	A	4	5	6	7	A	8	9	10	A	11	12	13	A	A	14	15	16	17	18	19	20	21	22	23	24	25	25	
3	RAHUL SUPADU PANJARDE	1	2	A	3	A	4	5	6	A	7	8	A	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
		1	2	A	3	A	4	5	6	A	7	8	A	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	A	26		

[Signature]

Dr. N. Y. Ghare
SUBJECT TEACHER



Dr. V. R. DIWARE
HOD CHEMICAL ENGG.
Head of the Dept.
Chemical Engg.
College of Engg. & Tech.,
Post, Box No. 14, Jalgaon

LECTURE PLAN

Class: S.E. Chemical Engineering

Semester: III

Year: 2022-2023

Subject: Industrial Organization and Management

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	01/08/2022	Unit-I : Management & its growth	B 01/08/22
2	04/08/2022	Concepts of Administration, Management and Organization	B 04/08/22
3	05/08/2022	Definition of management	B 05/08/22
4	08/08/2022	Importance and characteristics and functions of Management	B 08/08/22
5	12/08/2022	Authority and responsibility	B 12/08/22
6	12/08/2022(E)	Unity of command and direction decision making in management by objectives	} B 18/08/22
7	18/08/2022	Business organization	
8	19/08/2022	Different forms of organization	B 19/08/22
9	22/08/2022	Their formation and working,	B 22/08/22
10	25/08/2022	Different organization structure- line organization	B 25/08/22
11	29/08/2022	Functional organization	} B 29/08/22
12	01/09/2022	Line and staff organization	
13	02/09/2022	Unit-II : Personnel Management	B 01/09/22
14	05/09/2022	Manpower Planning	} B 02/09/22
15	08/09/2022	Recruitment, Selection & Training	
16	08/09/2022(E)	Job Evaluation Methods	B 05/09/22
17	09/09/2022	Merit Rating, Industrial Safety	B 08/09/22
18	09/09/2022(E)	Communication: Principles, Types, Characteristics	} B 09/09/22
19	15/09/2022	Role of Communication in Management	
20	16/09/2022	Unit-III: Sales and Marketing Management	B 15/09/22
21	19/09/2022	Sales Management and functions of sales Manager	B 16/09/22
22	22/09/2022	Salesman's quota	B 19/09/22
23	23/09/2022	Selling Vs Marketing Concept	B 22/09/22
24	23/09/2022(E)	Principle and Functions of Marketing Management	B 23/09/22


(S. S. Baniya)


Head of the dept
Chemical Engg.
College of Engg. & Tech.
Dist. Box No. 94, Jalgaon

[illegible]

LECTURE PLAN

Class: D.S.E. Chemical Engineering

Semester: III

Year: 2022-2023

Subject: Industrial Organization and Management

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	05/12/2022	Unit-I : Management & its growth, Concepts of Administration	B-05/12/22
2	07/12/2022	Management and Organization, Definition of management	B-07/12/22
3	07/12/2022(E)	Importance and characteristics and functions of Management	B-08/12/22
4	08/12/2022	Unity of command and direction decision making in management by objectives	B-12/12/22
5	08/12/2022(E)	Business organization	B-13/12/22
6	12/12/2022	Different forms of organization, Their formation and	B-13/12/22
7	12/12/2022(E)	Different organization structure- line organization	B-16/12/22
8	13/12/2022	Functional organization, Line and staff organization	} B-22/12/22
9	13/12/2022(E)	Unit-II : Personnel Management	
10	16/12/2022	Manpower Planning, Recruitment	B-23/12/22
11	16/12/2022(E)	Selection & Training, Job Evaluation Methods	} B-26/12/22
12	22/12/2022	Merit Rating, Industrial Safety	
13	22/12/2022(E)	Communication: Principles, Types, Characteristics	B-29/12/22
14	23/12/2022	Role of Communication in Management	B-30/12/22
15	23/12/2022(E)	Unit-III: Sales and Marketing Management	} B-02/01/23
16	26/12/2022	Sales Management and functions of sales Manager	
17	26/12/2022(E)	Salesman's quota	B-05/01/23
18	29/12/2022	Selling Vs Marketing Concept	B-06/01/23
19	30/12/2022	Principle and Functions of Marketing Management	} B-09/01/23
20	02/01/2023	Marketing Research and Techniques	
21	05/01/2023	The Marketing Mix, Channels of Distribution, Advertising	B-12/01/23
22	05/01/2023(E)	Unit-IV Inventory Control and Management	} B-19/01/23
23	06/01/2023	Objectives, Functions of Inventories	
24	09/01/2023(E)	Inventory Models, Materials Management and its Functions	B-16/01/23

(S.S. Banija)

Head of the Dept.
Chemical Engg.
College of Engg. & Tech
Post. Box No. 94, Jalgaon

[illegible]

LECTURE PLAN

Class: T.E. Chemical Engineering

Semester: V

Year: 2022-2023

Subject: Mass Transfer-I

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	03/08/2022	Unit-I: Introduction, Types of Diffusion	03/08
2	04/08/2022	Ficks law of diffusion, Steady state diffusion in gases	04/08
3	05/08/2022	Steady state diffusion in liquids, Diffusion in Multicomponent systems	05/08
4	10/08/2022	Problems	12/08
5	12/08/2022	Problems	18/08
6	17/08/2022	Diffusion in Solids, Problems	
7	18/08/2022	Problems, Maxwell's law of diffusion	19/08
8	18/08/2022(E)	Unsteady state diffusion	
9	19/08/2022	Unit-II: Eddy Diffusion, M.T. coefficient in Laminar and Turbulent Flow	19/08
10	24/08/2022	Relation between Mass Transfer Coefficients	24/08
11	25/08/2022	Single Film, Two Film Theory	
12	25/08/2022(E)	Penetration Theory	25/08
13	01/09/2022	Surface Renewal Theory, Surface Stretch Theory	
14	01/09/2022	Local overall mass transfer coefficient, Use of local overall coefficient	02/09
15	02/09/2022	Unit-III: Equipment's for gas liquid operation, Sparged & Mechanical Vessels	
16	03/09/2022	ISE-I	03/09
17	06/09/2022(E)	Material balances for steady state co current & countercurrent processes	06/09
18	07/09/2022	Material balances for cross flow cascade, counter flow cascade	07/09
19	08/09/2022	Problem	08/09
20	08/09/2022(E)	Humidification: vapor liquid equilibrium, humidification terms	
21	09/09/2022	Psychometric Chart, Humidification and dehumidification,	09/09
22	20/09/2022(E)	Determination of humidity Cooling Towers, Problems	20/09
23	21/09/2022	Unit-IV: Equilibrium & laws used in absorption, Choice of Solvent	21/09
24	22/09/2022	Material Balance (Countercurrent Process), Absorption & Stripping Factor	22/09


 Dr. S. A. Thakur


 Head of the Dept.
 Chemical Engg.
 College of Engg. & Tech.
 Post. Box No. 94, Jalgaon

Mass Transfer-I

Year: 2022 - 2023

[illegible]

LECTURE PLAN

Class: T.E. Chemical Engineering

Semester: V

Year: 2022-2023

Subject: Chemical Reaction Engineering - I

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	01/08/2022	Unit-I : Introduction to chemical reaction engineering:	01/08/22
2	02/08/2022	Review of chemical reaction equilibrium	02/08/22
3	03/08/2022	Classification of chemical reaction term of rate equation	03/08/22
4	08/08/2022	Rate of reaction	08/08/22
5	10/08/2022	Order and molecularity of reaction	10/08/22
6	10/08/2022(E)	Rate constant	10/08/22
7	17/08/2022	Temperature dependent	17/08/22
8	17/08/2022(E)	Comparison of theories	22/08/22
9	22/08/2022	Activation energy and temperature dependency	23/08/22
10	23/08/2022	Rate of reaction predicted by theories, Reaction mechanism	24/08/22
11	24/08/2022	Unit-II: Collection & interpretation of kinetic data	29/08/22
12	29/08/2022	Constant volume batch reactor	29/08/22
13	30/08/2022	Integral and differential method of analysis of data	30/08/22
14	30/08/2022(E)	Variable volume batch reactor	05/09/22
15	05/09/2022	Integral and differential method of analysis of data	06/09/22
16	05/09/2022(E)	The search for rate equation	07/09/22
17	06/09/2022	Unit-III: Ideal batch reactor	14/09/22
19	06/09/2022(E)	Mixed flow reactor	14/09/22
19	07/09/2022	Plug flow reactor	19/09/22
20	14/09/2022	Space time and space velocity	19/09/22
21	14/09/2022(E)	Holding time and space time for batch	20/09/22
22	19/09/2022	Mixed and plug flow reactors	20/09/22
23	19/09/2022(E)	Comparison in mixed and plug flow reactors	21/09/22
24	20/09/2022	Combined flow system	21/09/22

BB
(S S Baniya)

[Signature]
Head of the Dept.
Chemical Engg.
College of Engg. & Tech.
Wate. Box No. 98, Jalore

[illegible]

LECTURE PLAN

Class: T.E. Chemical Engineering

Semester: V

Year: 2022-2023

Subject: Particle & Fluid Particle Processing

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	01/08/2022	Unit-I: Introduction	8/11/22
2	02/08/2022	Relevance of fluid and particle mechanics and mech. operations	8/24/22
3	04/08/2022	Solid particle characterization	8/4/22
4	08/08/2022	Particle size, shape	8/8/22
5	11/08/2022	Particle distribution	8/18/22
6	13/08/2022(E)	Relationship among shape factors and particle dimensions	8/18/22
7	18/08/2022	Relationship among shape factors and particle dimensions	8/22/22
8	20/08/2022(E)	Specific surface area, Measurement of surface area	8/23/22
9	22/08/2022(E)	Unit-II: Flow around immersed bodies, Concept of drag	8/25/22
10	23/08/2022	skin and form drag, drag correlations	8/25/22
11	23/08/2022(E)	Packed bed, Void fraction, superficial velocity	8/29/22
12	24/08/2022 (E)	Channeling	8/30/22
13	25/08/2022	Ergun equation	8/19/22
14	26/08/2022(E)	Ergun equation derivation	8/19/22
15	27/08/2022(E)	Darcy law and permeability	8/19/22
16	29/08/2022	Blaine's apparatus	8/19/22
17	30/08/2022	Unit-III: Fluidization: Fluidized bed, pressure drop, Geldart plot	8/15/22
18	01/09/2022	Types of fluidization: Particulate fluidization, Bubbling fluidization	8/19/22
19	02/09/2022	Classical models of fluidization	8/20/22
20	03/09/2022(E)	Circulating fluidized beds	8/22/22
21	05/09/2022	Applications of fluidization	8/22/22
22	06/09/2022	ISE-I	8/26/22
23	07/09/2022(E)	Sedimentation, Free Settling, hindered settling	8/27/22
24	08/09/2022	Richardson-Zaki equation	8/27/22
25	12/09/2022	design of settling tanks	8/29/22

Sh
Dr. N. Y. Ghate

Head of the Dept.
Chemical Engg.
College of Engg. & Tech,
Post. Box No. 94, Jalgaon

[illegible]

LECTURE PLAN

Class: T.E. Chemical Engineering

Semester: V

Year: 2022-2023

Subject: Process Equipment Design (PCE-I)

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	01/08/ 2022	UNIT-I: Design Considerations Design codes, Maximum working pressure, Design pressure	01/08/22
2	01/08/ 2022	Design Temperature, Design stress, Factor of safety	01/08/22
3	02/08/ 2022	Design wall thickness and minimum actual wall thickness, Corrosion allowance	02/08/22
4	02/08/ 2022	Weld joint efficiency factor, Poisson's ratio, Criteria of failure, Elastic stability	02/08/22
5	03/08/ 2022	Design of Cylindrical Vessels under internal Pressure: Introduction, Thin wall vessels	03/08/22
6	03/08/ 2022	Design Equations, Numerical	03/08/22
7	08/08/ 2022	Design of Heads: Introduction, Analysis and design of Flat cover head	08/08/22
8	08/08/ 2022	Analysis and design of Standard dished heads	08/08/22
9	10/08/ 2022	Analysis and design of conical head	10/08/22
10	10/08/ 2022	UNIT-II: Supports for vessels: Introduction of Bracket or Lug supports, Leg supports	10/08/22
11	17/08/ 2022	Skirt supports and Saddle Supports	17/08/22
12	17/08/ 2022	Storage vessels: Introduction Design of fixed conical roof cylindrical tank	17/08/22
13	22/08/ 2022	Storage of gases in Spherical vessels, Numerical	22/08/22
14	23/08/ 2022	Design of process vessels and pipes under external pressure: Introduction	23/08/22
15	24/08/ 2022	Determination of safe pressure against elastic failure	24/08/22
16	29/08/ 2022	Determination safe external pressure against plastic deformation	29/08/22
17	30/08/ 2022	Circumferential stiffness, Pipes and tubes under external pressure	30/08/22
18	06/09/ 2022	UNIT-III: Process Design of Heat Exchanger: Introduction	06/09/22
19	07/09/ 2022	Types of Heat Exchanger	07/09/22
20	07/09/ 2022	Process Design of Shell and Tube Heat Exchanger	07/09/22
21	12/09/ 2022	Process Design of Evaporator: Introduction	12/09/22
22	12/09/ 2022	Types of Evaporator	12/09/22
23	13/09/ 2022	Methods of Feeding of Evaporator	13/09/22
24	13/09/ 2022	Design of Calendria type Evaporator	13/09/22


Dr. V. B. Dikane


Head of the Dept.
Chemical Engg.
College of Engg. & Tech.
Post. Box No. 94, Jalgaon

Lecture No.	Date	Topics to be covered	Topics covered
25	14/09/ 2022	Numerical	14/9/22
26	14/09/ 2022	UNIT-IV: Process Design of Reaction Vessels: Introduction, Materials of Construction	14/9/22
27	19/09/ 2022	Agitation, Classification of Reaction Vessels, Heating Systems	14/9/22
28	19/09/ 2022	Design of Reaction Vessel	14/9/22
29	20/09/ 2022	Crystallizer Design: Introduction	14/9/22
30	20/09/ 2022	Types of Crystallizers	14/9/22
31	21/09/ 2022	Design of crystallizers	14/9/22
32	27/09/ 2022	Numerical	14/9/22
33	28/09/ 2022	UNIT-V: Process Design of Rotary Dryer: Introduction, Types of Dryer	14/9/22
34	28/09/ 2022	Design of Rotary Dryer	14/9/22
35	06/10/ 2022	Numerical	14/9/22
36	06/10/ 2022	Numerical	14/9/22
37	12/10/ 2022	Design of Thick Walled High Pressure Vessel	14/9/22
38	12/10/ 2022	Numerical	14/9/22
39	13/10/ 2022	Agitators: Introduction, Types of Agitators, Baffling	14/9/22
40	14/10/ 2022	Power Requirements, Design of Turbine Agitator	14/9/22
	3, 5, 6 Sept 22	Internal Sessional Examination - I	
	7, 8, 10 Oct 22	Internal Sessional Examination - II	

Dr V R Aravamudan

Head of the Dept.
Chemical Engg.
College of Engg. & Tech.
Post. Box No. 94, Jalpaiguri

LECTURE PLAN

Class: T.E. Chemical Engineering

Semester: V

Year: 2022-2023

Subject: Energy Engineering

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	04/08/2022	Unit-I: Energy engineering & technology: Law of conservation of Energy	✓ 04.8.22
2	05/08/2022	Generalized equation of Energy conservation	✓ 05.8.22
3	06/08/2022	Energy resources and forms of energy, Energy demand	✓ 06.8.22
4	11/08/2022	Changing energy consumption trends, National energy strategies of India	✓ 11.8.22
5	11/08/2022(E)	Crucial Issue in India's energy planning	✓ 11.8.22
6	12/08/2022	Energy power management and Energy planning in India	✓ 12.8.22
7	13/08/2022	Energy Audit- Types of Energy Audits	✓ 13.8.22
8	18/08/2022	Conservation and recycling	✓ 18.8.22
9	18/08/2022(E)	Unit-II: Conventional Energy Sources Coal: Type of coal	✓ 18.8.22
10	19/08/2022	classification of Indian coal Important Properties of coal	✓ 19.8.22
11	20/08/2022	Exploration , Coal Preparation, Removal of sulphur	✓ 20.8.22
12	25/08/2022	Storage and Transportation of coal. Coal gasification, coal liquefaction	✓ 25.8.22
13	25/08/2022(E)	Petroleum, Natural gas and Refinery Products, Naphtha	✓ 25.8.22
14	26/08/2022	Exploration of petroleum. Production of crude oil and Natural gas	✓ 26.8.22
15	27/08/2022	Transportation of crude oil and Natural gas	✓ 27.8.22
16	01/09/2022	Refining of crude oil and Natural gas Refinery. Liquefaction of Natural gas	✓ 01.9.22
17	01/09/2022(E)	Unit-III: Fuel cells: Introduction, Design and operation of a Fuel cell	✓ 01.9.22
19	02/09/2022	Classification of fuel cells: Types of fuel cells	✓ 02.9.22
19	03/09/2022	ISE-I	✓ 03.9.22
20	08/09/2022	Advantages and disadvantages of fuel cells, Applications of fuel cells	✓ 08.9.22
21	08/09/2022(E)	Hydrogen: Introduction, Applications of Hydrogen, Production of Hydrogen	✓ 08.9.22
22	09/09/2022	Storage and transportation safety and management	✓ 09.9.22
23	10/09/2022	Hydrogen technology development in India	✓ 10.9.22
24	22/09/2022	Unit-IV: Nuclear Energy: Nuclear energy and application compared with coal	✓ 22.9.22

(V.P. Sangote)

Head of the Dept.
Chemical Engg.
College of Engg. & Tech.
Bhat, Bhat, Bhat, Bhat

[illegible]

Attendance Sheet

Teacher: V. P. Sangore

Subject: Energy Engineering

Class: TE CHEMICAL

Academic year 2022-23

Month>>&	
--	--

V. P. Sangore
SUBJECT TEACHER

V. P. Sangore
SUBJECT TEACHER

DR. V. R. DTHARE

GOB CHEMICALS INC.

Chemical Engg.

College of Engg. & Tech.
Post. Box No. 94, Jalgaon

LECTURE PLAN

Class: B.E. Chemical Engineering

Semester: VII

Year: 2022-2023

Subject: Process Control

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	01/08/2022	Unit-I: Cha. of Chemical Process Control, Variables in Chemical Process	01/08/22
2	02/08/2022	Experimental & Theoretical Approach, State Equations & State Variables	02/08
3	03/08/2022	Mathematical Model, Fundamental Equations	03/08
4	03/08/2022(E)	State Variables & State Equations for Stirred Tank Heater	03/08
5	08/08/2022	Input Output Model, Linearization	08/08
6	10/08/2022	Laplace Transform, First Order System	13/08
7	10/08/2022(E)	Examples of First Order System	17/08
8	13/08/2022(E)	Unit-II: Step Change, Ramp Change to First Order System	20/08
9	17/08/2022	Impulse, Sinusoidal Change to First Order System	23/08
10	17/08/2022(E)	Problems	24/08
11	20/08/2022(E)	Two Tank Non Interacting System & Step Change	29/08
12	22/08/2022	Step Change to Non Interacting System, Two Tank Interacting System	29/08
13	23/08/2022	Step Change to Interacting System, Pure Capacity Element	29/08
14	24/08/2022	First Order System with Variable Time Constant & Gain, Problems	29/08
15	24/08/2022(E)	Second Order System, Example Mercury Manometer	30/08
16	29/08/2022	Unit-III: Step Change to Second Order System	03/09
17	30/08/2022	Characteristics of Second Order Underdamped System	05/09
18	03/09/2022	ISE-I	06/09
19	05/09/2022	Problems	07/09
20	06/09/2022	Transportation Lag, Higher Order Systems	07/09
21	07/09/2022	Feed Back Control System: Load, Set Point, Block Diagram -I	07/09
22	07/09/2022(E)	Types of Controllers : P, PI	07/09
23	19/09/2022	Types of Controllers : PD, PID	20/09
24	20/09/2022	Reduction of Block Diagram	20/09


C. Dr. S. A. Thakur


Head of the Dept.
Chemical Engg.
College of Engg. & Tech.
B. K. S. N. S.

Process Control

Year : 2022-2023

[illegible]

CHEMICAL ENGINEERING DEPARTMENT

Attendance Sheet

Teacher: DR.S.A.THAKUR

Subject: PROCESS CONTROL

Academic year 2021-22

✓

DR. S. A. THAKUR
SUBJECT TEACHER

DR. V. R. DIWARE

RENDOMENTALEDE

(Chemical Engg.)

College . . . & T. of
Pont.

LECTURE PLAN

Class: B.E. Chemical Engineering

Semester: VII

Year: 2022-2023

Subject: Transport Phenomenon

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	01/08/2022	UNIT-I: Introduction, Transport phenomenon and Unit Operation	8/18/22
2	03/08/2022	Equilibrium and Rate Processes	8/31/22
3	05/08/2022	Fundamental variables and Unit The role of intermolecular forces	8/5/22
4	06/08/2022(E)	Simple Balance Material	8/8/22
5	08/08/2022	Energy Balance	8/10/22
6	10/08/2022	The Analogy The Case of Heat Transfer	8/21/22
7	12/08/2022	The Analogy The Case of Mass Transfer	8/17/22
8	13/08/2022(E)	The Case of Momentum Transfer	8/19/22
9	17/08/2022(E)	The Analogues forms Heat, Mass, Momentum Diffusivities	8/22/22
10	19/08/2022	Thermal Conductivity, Diffusion Coefficient Viscosity	8/24/22
11	20/08/2022(E)	Numerical	8/29/22
12	22/08/2022	UNIT-II Viscosity and Mechanism of Momentum Transport	8/29/22
13	24/08/2022	Viscosity and Mechanism of Momentum Transport	8/29/22
14	26/08/2022	Velocity Distribution in Laminar Flow	8/29/22
15	27/08/2022(E)	Numerical	8/31/22
16	29/08/2022(E)	Numerical	8/31/22
17	02/09/2022	UNIT-III Thermal Conduct, The Mechanism of Energy Transport	8/31/22
18	03/09/2022	ISE-I	8/31/22
19	05/09/2022	Thermal Conductivity and The Mechanism of Energy Transport	8/31/22
20	07/09/2022	Thermal Conductivity and The Mechanism of Energy Transport	8/16/22
21	09/09/2022	Numerical	8/19/22
22	10/09/2022(E)	Numerical	8/21/22
23	12/09/2022	Numerical	8/23/22
24	14/09/2022	Temperature Distribution in Solids	8/28/22
25	16/09/2022	Temperature Distribution in Solids and in laminar Flow	8/30/22

Sh
(Dr. H. Y. Ghaze)

Sh
Head of the Dept.
Chemical Engg.
College of Engg. & Tech.
Pune, R. N. 1

[illegible]

R.No	Lecture No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Name	Dates:-	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1	Bhadane Vivek Faruq	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
2	Chaudhari Shubham Chhotu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
3	Desale Arpita Pradeep	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
4	Deshpande Amit Manoj	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
5	Girase Hemant Singh Pravin Singh	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
6	Girase Kaushik Raju Singh	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
7	Jadhav Bhagyashree Exarati	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
8	Kinage Vaibhav Gajendra	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
9	Koli Anmol Anand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
10	Kumbhar Dinesh Sanjay	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
11	Mahajan Tejas Rajendra	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
12	Mansuri Nilesh Parveen	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
13	Mude Aachal Prabhakar Rao	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
14	Mungal Satyopal Datta	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
15	Nikam Parag Vijay	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
16	Patil Chetan Nana	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
17	Patil Jashwantrao	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
18	Patil Jayesh Sunil	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
19	Patil Kedar Sunil	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
20	Patil Lalit Hiralal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
21	Patil Nilesh Sunil	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
22	Patil Sachin Sudhakar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
23	Patil Shubham Raju	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
24	Patil Suyog Ravindra	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
25	Rajput Ashish Rajendra	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
26	Rane Pawan Chaitanand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
27	Rathod Kiran Datta	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
28	Sai Unkre Vaibhav Prasad	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
29	Saner Nishu Maru	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
30	Shirane Rahul Sunil	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
31	Thakur Anand Singh Rajendra	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
32	Yadav Ajit Sanjay	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

LECTURE PLAN

Class: B.E. Chemical Engineering

Semester: VII

Year: 2022-2023

Subject: Computer Aided Process Equipment And Design (PEC-IV) Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	02/08/ 2022	Unit-I: Computer Aided Design: Shell and Tube Heat Exchanger. Basic Theory	7/5/22
2	04/08/ 2022	Types of heat exchanger its major characteristics and application	7/5/22
3	05/08/ 2022	The rating and sizing method and various steps of design of heat exchanger	5/8/22
4	06/08/ 2022	Flow sheet of optimal design of heat exchanger Kern Methods of shell and tube side Design	5/8/22
5	11/08/ 2022	Total pressure drop ΔP_1 , shell side pressure drop, Baffles and Tube arrangement, standard coding and its layout	11/8/22
6	12/08/ 2022	Fluids in a shell and tube Heat exchanger. Double pipe heat exchanger	7/5/22
7	13/08/ 2022	LMTD and correction factor and writing of C ++Program	7/5/22
8	18/08/ 2022	Batch Reactor	15/8/22
9	19/08/ 2022	Isothermal and non-isothermal Heating and Cooling medium	19/8/22
10	20/08/ 2022	Writing of C ++Program	20/8/22
11	20/08/ 2022	Unit-II: Computer Aided Design: Single Effect Evaporator	20/8/22
12	23/08/ 2022	(SEE) Boiling point rise and duhring Rule, hydrostatic head effect, Use of vacuum in evaporator system	23/8/22
13	25/08/ 2022	Types of evaporator- single effect evaporator. Assumption of evaporator	25/8/22
14	27/08/ 2022	Numerical based on single effect evaporator with C++ programs	27/8/22
15	27/08/ 2022	Difference of SEE and Multiple effect evaporators MEE).	27/8/22
16	30/08/ 2022	Distillation Column: Steps of distillation column , material and energy balance	30/8/22
17	01/09/ 2022	Dew point and bubble point, MESH equation, Ideal binary distillation column	1/9/22
19	01/09/ 2022	Multicomponent non ideal distillation column, batch distillation with hold up	1/9/22
19	02/09/ 2022	Relative volatility, Smoker equation and MacCabe- Thiele diagram, q-line equations	2/9/22
20	02/09/ 2022	Numerical on C++ program.	2/9/22
21	06/09/ 2022	Unit-III: Computer Aided Design: Absorption Column: Introduction, steps of designing absorption column	2/9/22
22	08/09/ 2022	Types of packing, Rate of absorption	2/9/22
23	09/09/ 2022	Height of column based on liquid film conditions, pressure drop and flooding co relation	2/9/22
24	10/09/ 2022	Numerical based on C++ program	23/9/22


Dr. P. S. Wani


Head of the Dept.
Chemical Engg.
College of Engg. & Tech.
W. H. S. No. 94, Jalgaon

LECTURE PLAN

Class: B.E. Chemical Engineering

Semester: VII

Year: 2022-2023

Subject: Plant Utility

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	03/08/2022	Unit-I: Steam:	03/08/22
2	04/08/2022	Steam generation and its application in chemical process plants	04/08/22
3	06/08/2022	Design of efficient steam heating systems	06/08/22
4	10/08/2022	Steam economy	10/08/22
5	10/08/2022(E)	Condensate utilization	13/08/22
6	13/08/2022	Steam traps	17/08/22
7	13/08/2022(E)	Steam traps	18/08/22
8	17/08/2022	Waste heat utilization	20/08/22
9	18/08/2022	Unit-II: Compressors And Vacuum Pumps:	24/08/22
10	20/08/2022	Types of compressors	25/08/22
11	20/08/2022(E)	Types of vacuum pumps	25/08/22
12	24/08/2022	Methods of vacuum development and their limitations	27/08/22
13	25/08/2022	Materials handling under vacuum	01/09/22
14	27/08/2022	Piping systems	01/09/22
15	27/08/2022(E)	Lubrication in compressors and pumps.	03/09/22
16	01/09/2022	Unit-III: Refrigeration Systems	03/09/22
17	03/09/2022	Refrigeration system and their characteristics	07/09/22
18	03/09/2022(E)	Cryogenics	07/09/22
19	07/09/2022	The characteristics of liquid N2 and O2	08/09/22
20	07/09/2022(E)	Production of liquid N2 and O2	08/09/22
21	08/09/2022	Load calculation	14/09/22
22	08/09/2022(E)	Humidification equipments	15/09/22
23	14/09/2022	Dehumidification equipments	17/09/22
24	15/09/2022	Drying	21/09/22

BB
(S. S. Banerjee)

Head of the dept.
Chemical Engg.
College of Engineering & Technology

[illegible]

CHEMICAL ENGINEERING DEPARTMENT

Teacher: S. S. Banliya
Subject: Plant Utility

Class: BF CHEMICAL

CIRCUIT OR DIVISION	PERCENTAGE	PERCENTAGE
23.1111		

B

S. S. Raghava

SUBJECT TEACHER

Dr. V.R. DIWARE

Dr. V.R.DIWARE

Chemical Engg.

College of Engg. & Tech
Post. Box No. 94, Jalgaon.

LECTURE PLAN

Class: S.E. Chemical Engineering

Semester: IV

Year: 2022-2023

Subject: Material Science

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	09/01/2023	Unit-I : Introduction to materials, classification of engineering materials	9.1.23
2	10/01/2023	Bonding between atoms: metallic bonding, electron sea model	10.1.23
3	11/01/2023	Ionic bonding, Born-Haber cycle, covalent bonding	11.1.23
4	16/01/2023	Vander Waals bond, variation in bonding character & properties	16.1.23
5	17/01/2023	Thermal expansion, melting point, elasticity of materials	17.1.23
6	18/01/2023	Factors affecting the selection of materials for engineering purposes	18.1.23
7	23/01/2023	Levels of structure, space lattices & crystal structure	23.1.23
8	24/01/2023	Miller indices, close packing structures.	24.1.23
9	25/01/2023	Unit-II : Imperfections in solids: vacancies, equilibrium concentration of vacancies	25.1.23
10	30/01/2023	Interstitial and substitutional impurities in solids	30.1.23
11	30/01/2023	Dislocations: Types, characteristics	30.1.23
12	01/02/2023	Types and characteristics of dislocations, interfacial defects, stacking faults	1.2.23
13	07/02/2023	Structure of materials and Strength of Materials: Yield strength, tensile strength	7.2.23
14	08/02/2023	Ductility of materials: stress strain behavior of metals	8.2.23
15	20/03/2023	Ceramics and polymers, tensile test, plastic deformation	20.3.23
16	21/03/2023	Necking, creep behavior and fatigue.	21.3.23
17	27/03/2023	Unit-III : Semi-crystalline materials, Ceramics: classification,	27.3.23
19	28/03/2023	Basic raw materials	
19	29/03/2023	Chemical conversion, glazing, whitewares	28.3.23
20	03/04/2023	Structural clay products	29.3.23
21	05/04/2023	Polymers: Basic concept, classification, types of polymerization	3.4.23
22	10/04/2023	Effect of polymer structure on properties, mechanical properties of polymers	10.4.23
23	11/04/2023	Plastics: properties & applications, copolymers	11.4.23
24	12/04/2023	Liquid crystals and amphiphiles, silicates	12.4.23

(V.P. Sangam)

Head of the dept
Chemical Engg.
College of Engg. & Tech
Post. Box No. 94, Jalgaon

[illegible]

DR. V. R. DIWARE
Head Chemical Engg.
College of Engg. & Tech.
Post. Box No. 94, Jalgaon

LECTURE PLAN

Class: S.E. Chemical Engineering

Semester: IV

Year: 2022-2023

Subject: Thermodynamics-II

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	10/01/2023	Unit-I: Introduction to the subject, The laws of Thermodynamics	10/01/23
2	11/01/2023	Cyclic rule	11/01/23
3	12/01/2023	Coefficient of Thermal Expansion, Compressibility Coefficient	12/01/23
4	12/01/2023(E)	Law of corresponding state, Heat Capacities	17/01/23
5	17/01/2023	Enthalpy as a function of Temperature & Pressure	18/01/23
6	18/01/2023	Joule-Thomson Coefficient	19/01/23
7	19/01/2023	Relation between C_p & C_v , Thermodynamic relations	24/01/23
8	19/01/2023(E)	Generalized Equation of State, Thermodynamic relations	25/01/23
9	24/01/2023	Redlich-kwong equation of state, Soave-Redlich-Kwong equation of state	31/01/23
10	25/01/2023	Unit-II: The Second Law of Thermodynamics	01/02/23
11	27/01/2023(E)	Mathematical Treatment of Entropy Concept, Combined form of First and Second Law of Thermodynamics	02/02/23
12	31/01/2023	Thermodynamic Relations based on Second Law of Thermodynamics	08/02/23
13	01/02/2023	Calculations of Entropy Changes.	09/02/23
14	02/02/2023	Third Law of Thermodynamics	21/02/23
15	02/02/2023(E)	Unit-III: General Aspects	23/03/23
16	07/02/2023(E)	Determination of Partial Molar Volume and Enthalpy	28/03/23
17	08/02/2023	Fugacity and Fugacity Coefficient	29/03/23
19	09/02/2023	Fugacity coefficient through equation of state	05/04/23
19	09/02/2023(E)	Fugacity coefficient through virial coefficient correlation	06/04/23
20	14/02/2023(E)	Ideal solution General Aspects Equation	11/04/23
21	15/02/2023	Phase equilibrium: General Aspects	12/04/23
22	16/02/2023	Gibbs-Duhem Equation	13/04/23
23	16/02/2023(E)	Gibbs-Duhem-Margules	19/04/23
24	28/02/2023(E)	Application of Gibbs-Duhem Equation	20/04/23


(C.S.S. Banerjee)


Head of the dept
Chemical Engg.
College of Engg. & Tech,
Post. Box No. 94, Jalgaon.

Lecture No.	Date	Topics to be covered
25	01/03/2023	Unit-IV: Basic equations for VLE
26	02/03/2023	Reduction of VLE data
27	02/03/2023(E)	Excess Gibbs free energy Model
28	08/03/2023	Margules Equation & Van Laar Equation
29	09/03/2023	Thermodynamic consistency test of VLE data
30	09/03/2023(E)	Phase Equilibria for Single Component System: Gibbs-Helmholtz Equation
31	14/04/2023	The Clapeyron Equation, Clausius-Clapeyron Equation
32	15/04/2023	Application of Clapeyron Equation
33	16/04/2023	Unit-V: Chemical Reaction Equilibria : The criteria for chemical equilibrium
34	16/04/2023(E)	Equilibrium constant, Law of chemical equilibrium
35	17/04/2023(E)	Relations between equilibrium constant
36	21/04/2023	Homogeneous gaseous equilibria
37	23/04/2023	Temperature dependence of the equilibrium constant (The Van't Hoff Equation)
38	23/04/2023(E)	Integrated form of the Van't Hoff equation
39	28/04/2023(E)	Pressure dependence of the equilibrium constant
40	29/04/2023	Applications of Phase Equilibrium in Ideal Solutions: To construct pressure-composition and boiling point diagrams.
	(S.S. Banerjee)	Head of the dept Chemical Engg. College of Engg. & Tech Post. Box No. 94, Jalgaon

LECTURE PLAN

Class: S.E. Chemical Engineering

Semester: IV

Year: 2022-2023

Subject: Material and Energy Balance Computations

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics Covered
1	09/01/2023	UNIT-I :Units their dimensions and conversions , Mass and volume relations	09/1/23
2	09/01/2023 (E)	Excess reactants, Degree of completion,	11/1/23
3	11/01/2023	Conversion, selectivity and yield, Ideal gas law, Dalton's Law, Amagat's Law	14/1/23
4	14/01/2023	Average molecular weight of gaseous mixtures	16/1/23
5	16/01/2023	Numerical	18/1/23
6	16/01/2023 (E)	Effect of temperature on vapour pressure, Vapour pressure plot (Cox chart)	20/1/23
7	18/01/2023	Raoult's Law and Henry's Law	21/1/23
8	20/01/2023 (E)	UNIT-II: Humidity :Humidity and saturation	23/1/23
9	21/01/2023	Relative Humidity and percent saturation, Dew point	25/1/23
10	23/01/2023	Dry and Wet bulb temperatures	28/1/23
11	23/01/2023 (E)	Use of humidity charts for engineering calculations	30/1/23
12	25/01/2023	problems on psychometric chart	1/2/23
13	28/01/2023	UNIT-III :Material balances for systems without chemical reactions	4/2/23
14	30/01/2023	Analysis of systems with by-pass	6/2/23
15	30/01/2023 (E)	Material balances for systems with chemical reactions,	8/2/23
16	01/02/2023	Material balances for systems with chemical reactions	10/2/23
17	04/02/2023	species and elemental balance,	13/2/23
18	06/02/2023	recycle	15/2/23
19	06/02/2023 (E)	purges	17/2/23
20	08/02/2023	UNIT-IV: Energy balance introduction	11/3/23
21	10/02/2023	Energy capacity of gases, liquids and solutions, Heat of fusion	13/3/23
22	13/02/2023	Steady state energybalance for systems without chemical reactions	25/3/23
23	13/02/2023 (E)	Steady state energybalance for systems with chemical reactions	27/3/23
24	15/02/2023	Calculations and application of heat of reaction	29/3/23
25	17/02/2023	combustion, formation, neutralisation and solution. H-concentration charts.	31/3/23

(Dr. H. Y. Ghose)

Head of the dept
Chemical Engg.
College of Engg. & Tech

[illegible]

SSBT's College of Engineering and Technology, Bambhori, Jalgaon
CHEMICAL ENGINEERING DEPARTMENT
Attendance Sheet

Teacher: Dr. N. Y. Ghare	Subject: Material & Energy Balance Computations
Class: SE CHEMICAL	Academic year 2022-23

Month>>	
---	--



Dr. N. Y. GHARE
SUBJECT TEACHER

2

Dr. V. R. DIWARE
HOD CHEMICAL ENGG.

**Head of the Dept.
Chemical Engg.
College of Engg. & Tech.
Post. Box No. 94, Jalgaon.**

LECTURE PLAN

Class: S.E. Chemical Engineering

Semester: IV

Year: 2022-2023

Subject: Project Management & Entrepreneurship

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	12/01/2023	Unit-I: Introduction, Meaning of Projects	① 12/01/23
2	13/01/2023	Importance, Definitions and Stages of Project	② 13/01/23
3	14/01/2023	Characteristics of Project	③ 13/01
4	19/01/2023	Project Family Tree, Classification of Projects	④ 14/01
5	20/01/2023	Classification of Projects, Conceptualizing the Project	⑤ 20/01
6	21/01/2023	Project Identification, Criteria for Selecting a Particular Project	⑥ 21/01
7	27/01/2023	Importance of Project Identification, Project Formulation	⑦ 21/01
8	28/01/2023	Steps in Project Formulation, Stages of Project Formulation	⑧ 21/02
9	01/02/2023	Stages of Project Formulation, Project Report	⑨ 21/02
10	02/02/2023	Unit-II: Project Analysis, Market Analysis	⑩ 28/02
11	03/02/2023	Technical Analysis, Management Competence, Ecological Analysis	⑪ 28/02
12	04/02/2023	Project Risks	⑫ 04/04
13	04/02/2023(E)	Project Planning	⑬ 04/02
14	09/02/2023	Network Analysis	⑭ 23/02
15	09/02/2023(E)	PERT, CPM	⑮ 23/02
16	23/03/2023	Unit-III: Enterprise & Entrepreneurship	⑯ 23/03
17	24/03/2023	Entrepreneurship Definition & Characteristics	⑰ 24/03
19	25/03/2023	Concept, Significance of Entrepreneurship	⑱ 25/03
19	06/04/2023	Characteristics, Functions of an Entrepreneur	⑲ 06/04
20	08/04/2023	Entrepreneurial models	⑳ 08/04
21	13/04/2023	Myths of Entrepreneurship, Intrapreneurship	㉑ 13/04
22	20/04/2023	Women Entrepreneurs : Examples	㉒ 20/04
23	21/04/2023	Unit-IV: Financing New Enterprise	㉓ 27/04
24	27/04/2023	Estimation of fix capital requirements	㉔ 28/04

①
(Dr. S. A. Thakur)

Head of the dept
Chemical Engg.
College of Engg. & Tech
Post. Box No. 94, Jalgaon

LECTURE PLAN

Class: S.E. Chemical Engineering

Semester: IV

Year: 2022-2023

Subject: Project Management & Entrepreneurship

Lecture per Week: 03

[illegible]

SSBT's College of Engineering and Technology, Bambhori, Jalgaon																																							
CHEMICAL ENGINEERING DEPARTMENT																																							
Attendance Sheet																																							
Teacher: DR.S.A.THAKUR																																							
Subject: PROJECT MANAGEMENT & ENTREPRENEURSHIP																																							
Class: SE CHEMICAL																																							
SEMESTER-IV																																							
Academic year 2022-23																																							
Month>>>																																							


DR.S.A.THAKUR
SUBJECT TEACHER


DR.V.R.DIWARE
Head of the dept
Chemical Engg.
College of Engg. & Tech
Post. Box No. 94, Jalgaon

LECTURE PLAN

Class: T.E. Chemical Engineering

Semester: VI

Year: 2022-2023

Subject: Chemical Reaction Engineering - II

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	09/01/2023	UNIT-I: Introduction to fluid particle reaction non-catalytic reactions	9/1/23
2	09/01/2023	Progressive Conversion Model & Shrinking Core Model	9/1/23
3	10/01/2023	Unreacted core model for Spherical particle of unchanging size	10/1/23
4	11/01/2023	Gas Film Control	11/1/23
5	16/01/2023	Ash Layer and Chemical Reaction Control	16/1/23
6	16/01/2023	Combined effect : Rate of reaction for shrinking spherical particles and Numerical	16/1/23
7	17/01/2023	Determination of rate controlling step and Numerical	17/1/23
8	18/01/2023	Various contacting patterns in fluid solid reactors	18/1/23
9	23/01/2023	Numerical	23/1/23
10	23/01/2023	UNIT-II: Introduction to fluid-fluid system (without catalyst)	23/1/23
11	24/01/2023	Rate equation for Instantaneous, Fast, Inter mediate, slow reaction, infinitely slow reaction	24/1/23
12	25/01/2023	Film conversion parameter, Slurry Reaction kinetics and Aerobic fermentation	25/1/23
13	30/01/2023	Reactors for gas-liquid reactions and their comparative evaluations	30/1/23
14	30/01/2023	Tower for fast and slow reaction	30/1/23
15	31/01/2023	Mixer settler, semi-batch contacting pattern, Reactive distillation	31/1/23
16	06/02/2023	extractive reaction and Numerical	6/2/23
17	06/02/2023	Numerical	6/2/23
18	07/02/2023	UNIT-III: Introduction, Classification, Characteristics catalyst	7/2/23
19	08/02/2023	Preparation of catalyst and Promoters and inhibitors	8/2/23
20	13/02/2023	Deactivation of catalyst Sintering (Aging)	13/2/23
21	13/02/2023	Deactivation of catalyst Coking and Poisoning	13/2/23
22	14/02/2023	Determination of surface area and Pore volume of catalyst	14/2/23
23	15/02/2023	Types of adsorption isotherm	15/2/23
24	27/02/2023	BEI Adsorption Isotherm	27/2/23

(Dr. V. B. Dikshit)


Head of the dept
Chemical Engg.
College of Engg. & Tech.
Post. Box No. 94, Jalgaon

Lecture No.	Date	Topics to be covered	Topics covered
25	27/02/2023	Numerical	15/3/23
26	28/02/2023	UNIT-IV: Introduction to solid catalyzed reactor	16/3/23
27	01/03/2023	Rate equation for adsorption, desorption and surface reaction	17/3/23
28	01/03/2023	Diffusion and reaction in spherical catalyst pellets	18/3/23
29	06/03/2023	Internal effectiveness factor, Over all effectiveness factor	19/3/23
30	06/03/2023	Estimation of diffusion and reaction limited regimes	20/3/23
31	08/03/2023	Mass transfer and reaction in a packed bed, Numerical	21/3/23
32	13/03/2023	The determination of limiting situation from reaction data,	22/3/23
33	13/03/2023	Chemical vapor deposition reactors	23/3/23
34	14/03/2023	UNIT-V: Introduction to heterogeneous catalytic reactors, Moving bed reactors	24/3/23
35	15/03/2023	Moving bed reactors	25/3/23
36	27/03/2023	Fluidized bed reactors	26/3/23
37	27/03/2023	Slurry bed reactors	27/3/23
38	28/03/2023	Trickle bed reactors	28/3/23
39	29/03/2023	Isothermal fixed bed reactor	29/3/23
40	29/03/2023	Adiabatic fixed bed reactor	30/3/23
	10-13 Feb 23	Internal Sessional Examination – I	31/3/23
	18-21 March 23	Internal Sessional Examination – II	
	31 March 23 - 3 April 23	Internal Sessional Examination – III	
		(D.Y.R. D'SWANE)	
		Head of the Dept Chemical Engg. College of Engg. & Tech Post. Box No. 94, Jalgaon	

LECTURE PLAN

Class: T.E. Chemical Engineering

Semester: VI

Year: 2022-2023

Subject: Mass Transfer-II

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics Covered
1	09/01/2023	UNIT-I: Introduction to distillation process, Vapor liquid equilibrium	9/1/23
2	10/01/2023	differential, flash distillation	10/1/23
3	12/01/2023	azeotropic, extractive distillation	12/1/23
4	13/01/2023	low pressure, steam distillation, batch rectification	13/1/23
5	16/01/2023	Condition for varying overflow in non-ideal system (Binary)	16/1/23
6	17/01/2023	Multi component mixture. The fractionating column	17/1/23
7	18/01/2023 (E)	Continuous rectification for binary system	18/1/23
8	19/01/2023	Equipments for distillation	19/1/23
9	20/01/2023	UNIT-II: Multistage (Tray) towers: Bubble cap trays	20/1/23
10	23/01/2023	Sieve trays, Valve trays	23/1/23
11	24/01/2023	Packed towers for distillation. Types of Packing's	24/1/23
12	27/01/2023	NTU, HTU, HETP concept	27/1/23
13	30/01/2023	minimum reflux ratio, optimum reflux	30/1/23
14	31/01/2023	total reflux, Lewis Sorrel method	31/1/23
15	02/02/2023	McCabe Thiele method for multistage operations	2/2/23
16	03/02/2023	Ponchon Savarit method for multistage operations	3/2/23
17	06/02/2023	UNIT-III: Introduction to extraction process	6/2/23
18	07/02/2023	Liquid equilibria	7/2/23
19	08/02/2023 (E)	Material balances for stage wise contact methods	8/2/23
20	09/02/2023	Extraction with reflux	9/2/23
21	13/02/2023	Stage contact type extractors	13/2/23
22	14/02/2023	continuous contact type extractors	14/2/23
23	16/02/2023	continuous contact type extractors	16/2/23
24	17/02/2023	Numericals	17/2/23
25	27/02/2023	UNIT-IV : Introduction to adsorption operation	27/2/23

(Signature)
Dr. N. Y. Ghase

Head of the Dept
Chemical Engg.
College of Engg. & Tech
Post. Box No. 94, Jalgaon.

[illegible]

Apr-23

Dr. N. Y. Ghare
SUBJECT TEACHER

MODCHEMICAL ENGG.
The Dept
Chemical Engg.
College of Engg. & Tech
Post, Box No. 94, Jalgaon

LECTURE PLAN

Class: T.E. Chemical Engineering

Semester: VI

Year: 2022-2023

Subject: Heat Transfer

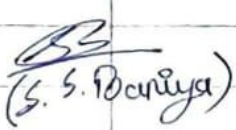
Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	11/01/2023	Unit-I : Fourier's law of heat conduction	<i>BB</i> 11/01/23
2	13/01/2023	Steady state heat conduction through walls (single and multilayer).	<i>BB</i> 13/01/23
3	13/01/2023(E)	Heat flow through cylinder	<i>BB</i> 13/01/23
4	14/01/2023	Unsteady state heat conduction.	<i>BB</i> 14/01/23
5	14/01/2023(E)	Derivation of Fourier's heat conduction equation for one dimensional conduction.	<i>BB</i> 14/01/23
6	18/01/2023(E)	Thermal insulation- insulating material	<i>BB</i> 18/01/23
7	18/01/2023(E)	Design factor and properties	<i>BB</i> 18/01/23
8	20/01/2023(E)	Optimum thickness, critical thickness	<i>BB</i> 20/01/23
9	20/01/2023(E)	Unit-II: Fin efficiency and its conditions	<i>BB</i> 21/01/23
10	21/01/2023	Fin efficiency and effectiveness	<i>BB</i> 25/01/23
11	25/01/2023(E)	Counter current and parallel flows	<i>BB</i> 27/01/23
12	25/01/2023(E)	Energy balances	<i>BB</i> 27/01/23
13	27/01/2023	Overall heat transfer coefficient	<i>BB</i> 28/01/23
14	27/01/2023(E)	Log mean temperature difference,	<i>BB</i> 28/01/23
15	28/01/2023	Individual heat transfer coefficient	<i>BB</i> 01/02/23
16	28/01/2023(E)	Calculation of overall heat transfer coefficient from individual coefficients	<i>BB</i> 01/02/23
17	01/02/2023(E)	Transfer units in heat exchangers.	<i>BB</i> 03/02/23
19	01/02/2023(E)	Unit-III: Types of convection	<i>BB</i> 03/02/23
19	03/02/2023	Empirical equations for forced convection	<i>BB</i> 04/02/23
20	03/02/2023(E)	Heat transfer in laminar and turbulent flow through tubes over a flat plate and submerged plate.	<i>BB</i> 08/02/23
21	04/02/2023	Dimensional analysis method,	<i>BB</i> 09/02/23
22	04/02/2023	Dropwise and film type condensation,	<i>BB</i> 09/02/23
23	08/02/2023(E)	Coefficient for film type condensation	<i>BB</i> 15/02/23
24	15/02/2023(E)	Nusselt's equations	<i>BB</i> 17/2/23

BB
(G.S. Dahiya)

Head of the Dept.
Chemical Engg. Tech.
College of Engg. & Tech.
Post. Box No. 94 Jalgaon

Lecture No.	Date	Topics to be covered
25	17/02/2023	Application in petroleum industry.
26	17/02/2023(E)	Unit-IV: Boiling of saturated liquids
27	01/03/2023(E)	Maximum flux and critical temperature drop.
28	03/03/2023	Maximum Flux and film boiling
29	04/03/2023	Fundamental of radiation
30	04/03/2023	Black body radiation
31	08/03/2023(E)	Laws of radiation
32	10/03/2023	Radiant heat exchange between non black surfaces
33	11/03/2023(E)	Greenhouse effect and radiation shape factor.
34	11/03/2023(E)	Unit-V: Heat exchanger single pass 1-1 exchanger
35	15/03/2023(E)	1-2 shell and tube heat exchanger
36	17/03/2023	Correction for LMTD for cross flow
37	24/03/2023	Design calculation (Kern Method) in heat exchanger
38	24/03/2023(E)	Evaporation: Liquid characteristics and types of evaporator
39	25/03/2023	Single effect evaporator calculation
40	31/03/2023	Pattern of liquid flow in multiple effect evaporators


(S. S. Daryya)


Head of the Dept
Chemical Engg.
College of Engg. & Tech,
Post. Box No. 94, Jalgaon

SSBT's College of Engineering and Technology, Bambhori, Jalgaon
CHEMICAL ENGINEERING DEPARTMENT

Attendance Sheet

Teacher: S. S. Baniya **Subject: Heat Transfer**
Class: TE CHEMICAL **Academic year 2022-23**

Month>>			
---	--	--	--


Dr. V. R. DIWARE
HOMECHEMICAL ENGG.
Chemical Engrg.
College of Engg. & Tech.
Post. Box No. 94 Jalgaon


S. S. BANIIYA
SUBJECT TEACHER

LECTURE PLAN

Class: T.E. Chemical Engineering

Semester: VI

Year: 2022-2023

Subject: Instrumentation and Instrumental Analysis

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	09/01/2023	Unit-I : Qualities of Measurement: The meaning of measurement,	X 9.1.23
2	11/01/2023	Elements of instruments, Static Characteristics, Dynamic characteristic	X 11.1.23
3	12/01/2023	Expansion Thermometers: Introduction	X 12.1.23
4	14/01/2023(E)	Temperature scales, Bimetallic Thermometer	X 14.1.23
5	16/01/2023	Constant volume gas Thermometer	X 16.1.23
6	18/01/2023	Industrial pressure spring Thermometer	X 18.1.23
7	19/01/2023	Response of Thermometer	X 19.1.23
8	21/01/2023(E)	Unit-II : Thermoelectric Temperature Measurement: Introduction	X 21.1.23
9	23/01/2023	Simple thermocouple circuit, Industrial thermocouples	X 23.1.23
10	25/01/2023	Thermocouple lead wires, thermal wells	X 25.1.23
11	28/01/2023(E)	Response of thermocouples	X 28.1.23
12	30/01/2023	Resistance Thermometer: Introduction	X 30.1.23
13	01/02/2023	Industrial resistance-thermometer bulbs	X 31.1.23
14	02/02/2023	Resistance thermometer element	X 1.2.23
15	04/02/2023(E)	Resistance thermometer circuit, RTD	X 2.2.23
16	04/02/2023(E)	Unit-III : Radiation Temperature Measurement: Introduction, Black body conditions	X 4.2.23
17	06/02/2023	Black body devices, Radiation receiving elements, Thermopile	X 6.2.23
19	08/02/2023	Vacuum thermocouples, Radiation pyrometers	X 8.2.23
19	09/02/2023	Lens type thermal radiation receiver , Photoelectric pyrometers	X 9.2.23
20	15/02/2023	Photoelectric radiation receiver, Optical pyrometer	X 15.2.23
21	16/02/2023	Pressure and Vacuum Measurement: Indicating pressure gage	X 16.2.23
22	27/02/2023	Bellows element, Useful ranges of absolute pressure measuring gages	X 27.2.23
23	28/02/2023	McLeod vacuum gage. Measurement of Pressure in Corrosion Fluids	X 28.2.23
24	01/03/2023	The steam gage siphon, Diaphragm seal in Pressure measurement	X 1.3.23

(V.P. Sangore)


Head of the dept
Chemical Engg.
College of Engg. & Tech
Post. Box No. 94, Jalgaon

[illegible]

V.P.SANGORE
SUBJECT TEACHER

DR. V. DWIVARE
HOD, CHEMISTRY
Chemical Engg.
College of Engg. & Tech
Post. Box No. 94, Jalgaon

LECTURE PLAN

Class: T.E. Chemical Engineering

Semester: VI

Year: 2022-2023

Subject: Alternative Fuels

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	10/01/2023(E)	Unit-I : Introduction, history of hydrogen	BZ 10/01/23
2	11/01/2023	Properties of hydrogen,	BZ 11/01/23
3	12/01/2023	Production of hydrogen	BZ 12/01/23
4	13/01/2023	On board storage of hydrogen, material compatibility for hydrogen, stationary storage for hydrogen	BZ 13/01/23
5	17/01/2023(E)	Piping for hydrogen, dispensers for hydrogen, transportation of hydrogen,	BZ 17/01/23
6	18/01/2023	Advantages and disadvantages of hydrogen	BZ 18/01/23
7	19/01/2023	Hazard of hydrogen, safety system for hydrogen, standards for hydrogen,	BZ 19/01/23
8	20/01/2023	Hydrogen use in IC and SI engine, hydrogen used in CI engine, hydrogen combustion	} BZ 20/01/23
9	24/01/2023(E)	Emission from hydrogen, blend of hydrogen with CNG (Hythane / HCNG), hydrogen for fuel cells	
10	25/01/2023	Review of hydrogen vehicle worldwide, hydrogen economy, hydrogen in India.	BZ 24/01/23
11	27/01/2023	Unit-II : Introduction, history of CNG	BZ 25/01/23
12	31/01/2023(E)	Production of CNG	BZ 27/01/23
13	01/02/2023(E)	Properties of CNG	BZ 01/02/23
14	02/02/2023(E)	CNG storage, piping for CNG, advantage and disadvantages of CNG	} BZ 02/02/23
15	02/02/2023	CNG dispensing system, CNG transportation, material compatibility for CNG, CNG fuel kits,	
16	07/02/2023(E)	Engine modification for CNG operation, CNG combustion, stoichiometric Vs lean burn CNG engines,	BZ 07/02/23
17	08/02/2023	CNG engines optimization, vehicle emission from CNG, aftertreatment of CNG exhaust, CNG fuelling station safety	BZ 08/02/23
19	09/02/2023	Third party inspection for alternative fuels vehicles,	} BZ 09/02/23
19	09/02/2023	CNG vehicle worldwide, CNG scenario in India	
20	14/02/2023(E)	Unit-III : Introduction, history of Biodiesel	BZ 14/02/23
21	15/02/2023	Biodiesel feedstock selection, raw materials for biodiesel production,	BZ 15/02/23
22	16/02/2023	Biodiesel production,	} BZ 16/02/23
23	16/02/2023	Properties of biodiesel, biodiesel storage, biodiesel dispensing.	
24	28/02/2023(E)	Biodiesel material compatibility, biodiesel standards, biodiesel transportation,	BZ 28/02/23

BZ
(S.S. Banija)

Head of the dept
Chemical Engg.
College of Engg. & Tech,
Post. Box No. 94, Jalgaon

Lecture No.	Date	Topics to be covered
25	28/02/2023(E)	Advantages and disadvantages of biodiesel.
26	01/03/2023	Hazards of biodiesel, second generation biodiesel, engine modification for biodiesel, biodiesel emission,
27	02/03/2023	Biodiesel combustion, biodiesel vehicles, biodiesel senior in India
28	02/03/2023	Unit-IV: Introduction, history of Producer gas
29	08/03/2023	Composition of producer gas, properties of producer gas,
30	09/03/2023	Production of producer gas,
31	09/03/2023	Theory of gasification, advantages of producer gas, hazards of producer gas
32	15/04/2023	Application of producer gas, emission from producer gas, producer gas engine, producer gas vehicle, producer gas in India
33	16/04/2023	Unit-V: Introduction, history of Ammonia as fuel
34	16/04/2023	Properties of ammonia, ammonia in nature
35	17/04/2023	Health hazards of ammonia, ammonia as an automotive fuel,
36	17/04/2023	ZAP ammonia car, ammonia as a carrier for hydrogen, ammonia for stationary engine applications,
37	05/04/2023	Ammonia on-board storage, ammonia for fuel cell vehicles, ammonia fuel cells for locomotives
38	05/04/2023	Introduction, history of LN ₂ to as a fuel
39	06/04/2023	The Boese engine, LN ₂ car at the University of North Texas, LN ₂ car at the University of Washington(UW),
40	06/04/2023	Thermodynamic analysis of LN ₂ car at UW, liquid nitrogen economy

Head of the dept
Chemical Engg.
College of Engg. & Tech
Pusa, Box No. 04, Jalgaon

SSBT's College of Engineering and Technology, Bambhori, Jalgaon
CHEMICAL ENGINEERING DEPARTMENT
Attendance Sheet

Teacher: S. Baniya	Subject: Alternative Fuels
Class: TE CHEMICAL	Academic year 2022-23

Month>>>>>>>		Jan-23						Feb-23						Mar-23										Apr-23																						
R No	Lecture No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	TOTAL				
	Name Dates:-	10	11	12	13	17	18	19	20	24	25	27	1	2	7	8	9	14	15	16	16	28	28	1	2	2	8	9	15	16	16	17	17	5	5	6										
1	BHADANE NARENDRA DNYANESHWAI	1	2	A	3	4	5	6	A	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37				37		
2	CHAUDHARI NAVAN RAJENDRA	A	1	2	3	4	5	6	7	A	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	A	29	30	31	32	33	34	35	A				35		
3	CHAUDHARI PRAGATI PRAKASH	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	A	A	31	32	33	34	A				34			
4	DHANGAR PRAVIN PANDHARI	1	A	7	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	A	A	30	31	32	33	A	A	34	35			35		
5	KOKANE YOGESH GOVINDA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	A	A	33	34	35	36	37			37			
6	MORIS VAIBHAV PRAKASH	1	2	3	4	A	5	6	7	A	8	9	10	A	11	12	13	14	15	A	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36				36	
7	NIKAM CHETAN KAILAS	A	1	2	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	23	24	25	26	A	A	27	28	29	30	A	31	32	33	34	A			34		
8	PATIL HARSHAD RAJENDRA	1	2	3	A	A	4	5	6	A	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	A	A	31	32	33	34			34		
9	PATIL MAHAESH NARAYAN	A	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	A	A	22	23	24	25	26	27	28	29	A	A	30	31	32	33	A			33		
10	PATIL VAISHNAVI SAINAV	1	A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	A	A	A	32	33	34	35	36			36		
11	PAWAR HIMANSHU BHARATJI JING	A	1	A	2	3	4	5	A	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	A	A	34	35			35		
12	RAJPUT NIKHIL BHARATISING	1	2	3	4	A	5	6	7	A	8	9	10	A	11	12	13	14	15	A	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36			36		
13	RAJPUT TANMAY SURESHING	A	1	2	3	4	A	A	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	A	A			34		
14	SHENOI GAURAV SATISH	1	2	3	A	A	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	A	A	A	31	32	33	34	35			35		
15	VASAVE VINOD DHARMA	A	A	1	2	3	4	5	A	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	A	A	31	32	33	A	A	34	35			35
16	ZAMBARI DEVENDRA NARESHILPA	1	2	A	3	A	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	A	28	29	30	31	32	33	34	35	36	A			36		


S. S. BANIYA
SUBJECT TEACHER

Dr. V. R. DIWARE
HOD CHEMICAL ENGG.
(C) in Orgs.
(Chemical) - Enngg.
College of Enngg. & Tech.
Post. Box No. 94, Jalgaon

LECTURE PLAN

Class: B.E. Chemical Engineering

Semester: VIII

Year: 2022-2023

Subject: Process Technology & Economics

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	09/01/2023	Unit-I : Introduction, Indian & Global Chemical Industry	9/1/01
2	10/01/2023	Overview of Chlor-Alkali Industry, Chemical Processes (Detailing)	10/1/01
3	11/01/2023	Manufacturing of Soda Ash by Leblanc Process	11/1/01
4	16/01/2023	Manufacturing of Soda Ash by Solvay's Process	16/1/01
5	17/01/2023	Manufacturing of Soda Ash by Dual Process & Electrolytic Process	17/1/01
6	18/01/2023	Sodium Bicarbonate, Chlorine by Electrolytic Process	18/1/01
7	23/01/2023	Manufacturing of Chlorine by Nitric Acid, Diaphragm, Mercury Cell	23/1/01
8	24/01/2023	Chlorine by Membrane Process, Manufacturing of Sodium Hydroxide	24/1/01
9	25/01/2023	Calcium Hypochlorite, Sodium Hypochlorite, Sodium Chlorite	25/1/01
10	30/01/2023	Unit-II : Manufacturing of Ammonia by Haber Bosch Process	30/1/01
11	31/01/2023	Manufacturing of Nitric Acid	31/1/01
12	01/02/2023	Manufacturing of Ammonium Nitrate	01/2/02
13	06/02/2023	Manufacturing of Urea	06/2/02
14	07/02/2023	Manufacturing of Hydrochloric Acid	07/2/02
15	08/02/2023	Manufacturing of Sulphuric Acid	08/2/02
16	27/02/2023	Unit-III : Yellow, Red Phosphorous	27/2/02
17	27/02/2023(E)	Manufacturing of Phosphoric Acid	27/2/02
18	28/02/2023	Manufacturing of Ammonium Phosphate	28/2/02
19	28/02/2023(E)	Manufacturing of Single Superphosphate	28/2/02
20	01/03/2023	Manufacturing of Triple Superphosphate, Nitrophosphates	01/3/03
21	06/03/2023	Sodium Phosphate, Fire retardant chemicals	06/3/03
22	08/03/2023	Unit-IV: Types of Coal	08/3/03
23	13/03/2023	Coal and Coal Chemicals	13/3/03
24	13/03/2023(E)	Coke Oven Plant	13/3/03


CDr. S. A. Thakur


Head of the dept
Chemical Engg.
College of Engg. & T
Post. Box No. 04.

[illegible]

SSBT's College of Engineering and Technology, Bambhori, Jalgaon

CHEMICAL ENGINEERING DEPARTMENT

Attendance Sheet

Teacher: DR.S.A.THAKUR

Class: BE CHEMICAL SEMESTER-VIII

Subject: PROCESS TECHNOLOGY & ECONOMICS

Academic Year 2022-23

Monthssssssss			Jan-23										Feb-23										Mar-23										Apr-22										TOTAL			
R No	Lecture No	Detres--	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40				
1	11	BHADANE VIVEK FANIRA	11	16	17	17	18	23	24	25	30	31	1	2	8	8	27	27	28	28	1	6	8	13	13	14	14	15	24	25	26	27	28	28	29	3	3	3	3	5	5	11	12	12		
2	1	CHALDHARI SHUBHAM CHHOTU	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	A	24	25	26	27	28	29	30	31	32	A	A	A	A	A	A	A	32		
3	2	DESAI ARPITA PRADEEP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	A	18	19	20	21	22	23	A	24	25	26	27	28	29	30	31	32	33	34	35	A	A	A	35			
4	A	AMIT MANOJ DESHPANDE	A	1	2	3	4	5	6	7	A	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	A	24	25	26	27	28	29	30	31	32	33	34	35	A	A	36			
5	A	GRASE NEMANTSING FRAVINSING	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	A	24	25	26	27	28	29	30	31	32	33	34	35	A	A	37			
6	A	KALUSHAL RUPESING GIRASE	1	2	3	4	5	6	7	A	8	9	A	10	11	12	13	14	15	16	17	18	19	20	A	21	22	23	A	24	25	26	27	28	29	30	31	32	33	34	35	A	38			
7	A	JADHAV BHAGYASHRI ENKATH	A	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	A	24	25	26	27	28	29	30	31	32	33	34	35	A	A	39			
8	A	KINAGE VAIBHAV GAJANAN	1	2	3	4	5	6	7	8	9	10	11	12	13	A	A	14	15	16	17	18	19	20	21	22	23	A	24	25	26	27	28	29	30	31	32	33	34	35	A	A	40			
9	A	ANNOL ANKUSH KOLU	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	A	A	17	18	19	20	A	21	22	23	A	24	25	26	27	28	29	30	31	32	33	34	35	A	41		
10	A	KUMBHAR DINESH SANJAY	1	2	3	4	5	6	7	A	8	9	10	11	12	A	A	14	15	16	17	18	19	20	21	22	23	A	24	25	26	27	28	29	30	31	32	33	34	35	A	A	42			
11	A	TEJAS RAJENDRA MAHAJAN	A	1	2	3	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	19	20	21	22	23	A	24	25	26	27	28	29	30	31	32	33	34	35	A	A	43			
12	A	NILDFAR PARVEEN MANSURI	1	2	3	4	5	6	7	A	8	9	10	11	A	12	13	14	15	16	17	18	19	A	20	21	22	23	A	24	25	26	27	A	28	29	30	31	32	33	34	35	A	44		
13	A	MUDE AACHAL PRABHAKARRAO	1	2	3	4	5	6	7	A	8	9	10	11	A	12	13	14	15	16	17	18	19	20	21	22	24	A	25	26	27	28	29	30	A	A	31	32	33	34	35	A	45			
14	A	MUNGAL SATYAPAL DILIP	A	1	2	3	4	5	6	7	8	A	9	10	11	A	12	13	14	15	16	17	18	19	A	20	21	22	23	A	24	25	26	27	28	29	30	31	32	A	A	46				
15	A	NIKAM PARAG VIJAY	A	1	2	3	4	5	6	A	7	A	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	A	24	25	26	27	28	29	30	31	32	A	A	A	47				
16	A	PATIL CHETAN NANA	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	A	19	20	21	22	23	24	25	26	A	27	28	29	30	31	32	33	34	35	36	A	48			
17	A	PATIL JANHAVI ASHOK	A	1	2	3	4	5	6	7	A	8	9	10	11	12	13	A	14	15	16	17	18	19	20	21	22	A	A	A	23	24	25	26	27	28	29	30	31	32	33	34	35	A	49	
18	A	PATIL JAYESH SUNIL	1	2	3	4	A	5	6	A	7	8	9	10	11	12	13	14	15	16	17	A	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	A	50			
19	A	PATIL KEDAR SUNIL	1	2	3	4	5	6	A	7	A	8	9	10	11	12	13	14	15	16	A	A	18	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	A	51		
20	A	LAUT HIRAJAL PATIL	1	2	3	4	A	5	A	6	7	8	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	A	A	52			
21	A	NILESH SUNIL PATIL	1	2	3	4	A	5	A	6	7	A	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	25	26	27	28	29	30	31	32	A	A	A	53				
22	A	PATIL SACHIN SUDHAKAR	1	2	3	4	A	A	5	6	7	A	8	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	24	A	25	26	27	28	29	30	A	A	31	32	33	34	35	A	54
23	A	SHUBHAM RAJU PATIL	1	2	3	4	5	6	7	8	A	9	10	11	12	13	14	A	A	15	16	A	17	18	19	20	21	22	23	24	A	25	26	27	28	29	30	A	A	31	32	33	34	35	A	55
24	A	PATIL SUYOG RAVINDRA	1	2	3	4	5	6	7	8	A	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	25	26	27	28	29	30	31	A	A	32	33	34	35	A	A	56		
25	A	ASHUTOSH RAJENDRA RAJPUT	1	2	3	4	5	6	7	A	8	9	10	11	12	13	14	15	16	17	A	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	A	A	57				
26	A	PAWAN CHANDRAKANT RANE	1	2	3	4	A	5	A	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	A	A	31	32	33	34	35	36	A	58		
27	A	RATHOD KIRAN DILIP	1	2	3	4	5	6	7	A	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	A	A	31	32	33	34	35	36	A	59			
28	A	SALUNKHE VAIBHAV PRASHANT	A	1	2	3	4	5	6	7	A	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	A	A	31	32	33	34	35	36	A	60		
29	A	NIKHIL MANOJ SAHER	1	2	3	4	A	5	6	A	7	8	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	24	A	25	26	27	28	29	30	A	A	31	32	33	34	35	A	61	
30	A	SHIRAME RAHUL SUNIL	1	2	3	4	5	6	7	A	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	25	26	27	28	29	30	A	A	31	32	33	34	35	36	A	62		
31	A	THAKUR AMOLKUMAR RAJENDRA	1	2	3	4	5	6	A	7	A	8	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	A	A	63			
32	A	AJIT SANJAY YADAV	1	2	3	4	5	6	7	A	8	9	10	11	12	13	14	15	16	17	A	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	A	A	64				
33			1	2	3	4	5	6	7	A	8	9	10	11	12	13	14	15	16	17	A	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	A	A	65				



DR.S.A.THAKUR
SUBJECT TEACHER



DR. V.S. DIWARE
CHOD CHENADAPPA
College of Engg. & Tech.
Post. Box No. 94, Jalgaon.

LECTURE PLAN

Class: B.E. Chemical Engineering

Semester: VIII

Year: 2022-2023

Subject: Chemical Plant Design & Project Engineering

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	09/01/2023	UNIT I Introduction to Chemical Engineering Plant Design and Project Engineering.	9/1/23
2	10/01/2023	The role of Chemical Engineer in Chemical Plant Design. Chemical Engineering Design, need for Plant Design.	10/1/23
3	10/01/2023	Process Design. Development of the project Evaluation of a process	10/1/23
4	11/01/2023	Process research, Research evaluation, Process development, Preliminary Engg Studies	11/1/23
5	16/01/2023	Pilot plant	16/1/23
6	17/01/2023	Semi-commercial plant, commercial plant	17/1/23
7	17/01/2023	Commercial plant design factors: Technical factors, economic factor	17/1/23
8	18/01/2023	Safety considerations, legal phases, sources of information	18/1/23
9	23/01/2023	UNIT II Process Design: Choice of process continuous Vs. Batch processing	23/1/23
10	24/01/2023	Process Equipments and Materials: Selection of Materials	24/1/23
11	24/01/2023	Selection of Process Equipments	24/1/23
12	25/01/2023	Selection of Process Equipments Equipment selection procedures	25/1/23
13	30/01/2023	Standard Vs. special equipment. Scale up method	30/1/23
14	31/01/2023	Types of flow sheet, development of process flow sheet from process information.	31/1/23
15	31/01/2023	Development of process flow sheet from process information.	31/1/23
16	01/02/2023	Examples	31/1/23
17	06/02/2023	UNIT III Plant Layout : Introduction planning-layout, factors in planning-layout	31/1/23
18	07/02/2023	Methods of layout planning area concept, two dimensional layouts, scale models	31/1/23
19	07/02/2023	Principles of plant layout, safety, utilities	31/1/23
20	08/02/2023	Material handling equipments , railroads and roads, etc.Plant layout for Benzene Hexachloride process.	31/1/23
21	13/02/2023	Locating the Chemical Plant: Introduction, summary of factors in plant location., Economics location	31/1/23
22	14/02/2023	Plant location factors, raw material supply, Market, Power & fuel, water supply,	31/1/23
23	14/02/2023	plant measures for conservation of water, legal restriction, waste disposal.	31/1/23
24	15/02/2023	UNIT IV Site preparations and Structures : Introduction, Site Preparation, Surface Evaluation	31/1/23

(D.V.P. Divakar)

Head of the dept.
Chemical Engg.
College of Engg. & Tech.
Dist. Box No. 94, J.

Lecture No.	Date	Topics to be covered	Topics covered
25	27/02/2023	Foundation and Shape of Foundation, Machinery and Equipment Foundations	25/2/23
26	28/02/2023	Supports, Outdoor Plants.	26/2/23
27	28/02/2023	Selection Building types, Building design principles	27/2/23
28	01/03/2023	Higher protection conditioning , heating and ventilation.	28/2/23
29	06/03/2023	Cost Consideration for Plant Sites and Structures	29/3/23
30	08/03/2023	New Development in Management techniques. (PERT & CPM).	30/3/23
31	13/03/2023	New Development in Management techniques. (PERT & CPM).	31/3/23
32	14/03/2023	Numerical	32/3/23
33	14/03/2023	UNIT V Process Auxiliaries : Introduction Piping , Piping, Explanation of CODES	33/3/23
34	15/03/2023	Selection of Piping, Pipe strength, Wall thickness	34/3/23
35	21/03/2023	Nominal Pipe Size (NPS) Mechanical Design	35/3/23
36	21/03/2023	Criteria for Selection of Materials	36/3/23
37	27/03/2023	Pipe sizing by ID, Choosing the final pipe size , Numerical	37/3/23
38	28/03/2023	Process steam piping, Methods of providing flexibility for piping.	38/3/23
39	28/03/2023	piping layout	39/3/23
40	29/03/2023	Piping insulation	40/3/23
	10-13 Feb 23	Internal Sessional Examination – I	
	18-21 March 23	Internal Sessional Examination – II	
	31 March 23 - 3 April 23	Internal Sessional Examination – III	
		(Signature)	
		Head of the dept Chemical Engg. College of Engg. & Tech. Post. Box No. 94, Jalgaon	

Teacher: DR.V.R.DIWARE

Subject: **CHEMICAL PLANT DESIGN & PROJECT ENGINEERING (PEC-V)**

Class: BE CHEMICAL

Academic year 2022-23

A

DR.V.RDIWARE
SUBJECT TEACHER

DR.V.R.DIWARE

HOD CHEMICAL ENGG.
Head of the Dept.
Chemical Engg.
College of Engg. & Tech.

LECTURE PLAN

Class: B.E. Chemical Engineering

Semester: VIII

Year: 2022-2023

Subject: Petrochemical Technology

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics Covered
1	10/01/2023 (E)	Unit-I : Petrochemical Industry in India	OK 10/1/23
2	12/01/2023	Feed stocks for petrochemicals	OK 12/1/23
3	13/01/2023	Separation of aromatics	OK 13/1/23
4	14/01/2023	Chemicals from methane: Manufacture of methanol	OK 14/1/23
5	17/01/2023 (E)	Manufacture of formaldehyde, acetic acid	OK 17/1/23
6	19/01/2023	Manufacture of ethylene glycol, CS ₂	OK 19/1/23
7	20/01/2023	Liquid fuels from methanol, manufacture of ethanol	OK 20/1/23
8	21/01/2023	Unit-II : Ethane: Occurrence, halides of ethane	OK 21/1/23
9	24/01/2023 (E)	Nitroethane and oxidation of ethane	OK 24/1/23
10	27/01/2023	Ethylene production	OK 27/1/23
11	28/01/2023	Production of ethylene derivatives like vinyl acetate monomer	OK 28/1/23
12	31/01/2023 (E)	Ethylene oxide, ethylene diamine	OK 31/1/23
13	02/02/2023	Ethanol and acetaldehyde	OK 4/2/23
14	03/02/2023	Chemicals from acetylene: acrylic acid, vinyl chloride	OK 16/2/23
15	04/02/2023	Vinyl acetate and Acetonitrile	OK 17/2/23
16	07/02/2023 (E)	Unit-III : Products from propane	OK 22/3/23
17	09/02/2023	Dehydrogenation of propane and higher paraffin's	OK 23/3/23
18	10/02/2023	Chemicals from propylene: Isopropyl alcohol, acetone	OK 4/3/23
19	11/02/2023	Propylene glycol, acrylic acid and ester	OK 6/3/23
20	14/02/2023 (E)	Phenol, Dehydrogenation of butanes	OK 9/3/23
21	21/02/2023 (E)	Production of Iso and n- butanol	OK 10/3/23
22	23/02/2023	Production of methyl-tert-butyl ether [MTBE], Adipic acid	OK 11/3/23
23	24/02/2023	Derivatives from hydrocarbons higher than butane.	OK 14/3/23
24	25/02/2023	Unit-IV: Synthesis gas and chemicals: Synthesis gas	OK 14/3/23
25	28/02/2023 (E)	Steam reforming of hydrocarbons	OK 17/3/23

OK
(Dr. N. Y. Ghose)

Head of the dept
Chemical Engg.
College of Engg. & Tech.

Lecture No.	Date	Topics to be covered	Topics Covered
26	02/03/2023	Production of synthesis gas	OK 028/3/23
27	03/03/2023	Chemicals from synthesis gas. Oxo synthesis	OK 029/3/23
28	04/03/2023	Vinyl acetate, acetic acid	OK 023/3/23
29	09/03/2023	Fischer-Tropsch synthesis: catalysts and the products	OK 024/3/23
30	10/03/2023	LPG: sources, properties grades of LPG	OK 025/3/23
31	11/03/2023 (E)	Supply of LPG to consumers, the storage and use of LPG	OK 028/3/23
32	14/03/2023 (E)	Unit-V: Petroleum aromatics: Production of BTX	OK 029/3/23
33	16/03/2023	Benzene derivatives, Aniline	OK 031/3/23
34	17/03/2023	Phenol	OK 031/3/23
35	21/03/2023 (E)	Alkylation of benzene	OK 014/23
36	23/03/2023	Products from toluene: Chlorotoluenes	OK 014/23
37	24/03/2023	O- Cresols	OK 031/23
38	25/03/2023	Dinitrotoluenes	OK 031/23
39	27/03/2023 (E)	Benzaldehyde, caprolactum,	OK 051/23
40	28/03/2023 (E)	Terephthalic acid.	OK 061/23

(Dr N.Y. Ghosh)

[Signature]
Head of the Dept.
Chemical Engg.
College of Engg. & Tech.
Post Bag - 94, Jalpaiguri

SSBT's College of Engineering and Technology, Bambhori, Jalgaon
CHEMICAL ENGINEERING DEPARTMENT

Attendance Sheet

Teacher: Dr. N. Y. Ghare

Subject: Petrochemical Technology

Class: BE CHEMICAL

R.No	Month>>>																																							
------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



Dr. N. Y. Ghare
SUBJECT TEACHER

LOWE'S RADIUM DEPT.
HDD CHEMICALS, INC.

College of Arts & Tech.
 Dept. of ... 04. July.

LECTURE PLAN

Class: B.E. Chemical Engineering

Semester: VIII

Year: 2022-2023

Subject: Energy Conservation & Management

Lecture per Week: 03

Lecture No.	Date	Topics to be covered	Topics covered
1	12/01/2023	Unit-I :Introduction to Energy Conservation	X 12.1.23
2	13/01/2023	Introduction to Energy Management	X 13.1.23
3	14/01/2023	Scope of Energy management	X 14.1.23
4	18/01/2023(E)	Necessary steps of Energy Management programme	X 18.1.23
5	18/01/2023(E)	General principles of Energy management	X 18.1.23
6	19/01/2023	Economy interactions	X 19.1.23
7	20/01/2023	Energy conservation plan	X 20.1.23
8	21/01/2023	Unit-II : Introduction, objectives of energy audit	X 21.1.23
9	25/01/2023(E)	Control of energy, uses of energy	X 25.01.23
10	25/01/2023(E)	Energy conservation schemes	X 25.1.23
11	27/01/2023	Energy index, cost index, pie chart	X 27.1.23
12	28/01/2023	Types of energy audit	X 28.1.23
13	01/02/2023(E)	General energy audit	X 1.2.23
14	01/02/2023(E)	Sample questionnaire	X 1.2.23
15	02/02/2023	Energy audit case studies	X 2.2.23
16	03/02/2023	Unit-III : Energy conservation	X 3.2.23
17	04/02/2023	Indian energy conservation act 2001	X 4.2.23
19	08/02/2023(E)	Electricity Act 2003	X 8.2.23
19	09/02/2023	Rules for efficiency	X 9.2.23
20	15/02/2023(E)	Energy conservation of energy and materials	X 15.2.23
21	15/02/2023(E)	Technology for energy conservation, design of energy conservation	X 15.2.23
22	16/02/2023	Energy flow network, critical assessment of energy use	X 16.2.23
23	17/02/2023	Formulation of objectives and constraints	X 17.2.23
24	01/03/2023(E)	Unit-IV: Energy management	X 1.3.23

X
(V.P. Sangur)


Head of the dept.
Chemical Engg.
College of Engg. & Tech.
Post. Box No. 94, Jalgaon

[illegible]

SSBT's College of Engineering and Technology, Bambhori, Jalgaon
CHEMICAL ENGINEERING DEPARTMENT

Attendance Sheet

Teacher: V.P.SANGORE

Subject: ENERGY CONSERVATION AND MANAGEMENT

Class: BE CHEMICAL SEMESTER-VIII

Academic Year 2022-23

Month>>>&									
---	--	--	--	--	--	--	--	--	--

Department Of Chemical Engineering

SSBT's COET, Bambhori, Jalgaon

List of B.E. Chemical Project Groups Academic Year 2022-23 Term-I

Group No.	Name of Students	Project Title	Name of Guide
1	1.Ashitosh R. Rajput 2. Amit M. Deshpande 3. Sachin S. Patil 4. Shubham R. Patil	Extraction of green corrosion inhibitor from tobacco leaves for mild steel	Dr. N.Y. Ghare
2	1.Satyapal D. Mungal 2.Parag V. Nikam 3.Hemantsing P. Girase 4. Kiran D. Rathod	Formulation of herbal lipstick	Dr. N.Y. Ghare
3	1.Suyog R. Patil 2.Nikhil M. Saner 3.Nilofer P. Mansuri 4.Arпита P. Desale	Microwave assisted extraction of Drumstick Tree seed oil	Dr. N.Y. Ghare
4	1. Amolkumar R. Thakur 2.Kedar S. Patil 3.Ajit S. Yadav 4.Kaushal R. Girase	Drug delivery system based on magnetic iron oxide nanoparticles	Dr. V.R. Diware
5.	1.Tejas R. Mahajan 2.Vaibhav P. Salunkhe 3.Nilesh S. Patil 4.Lalit H. Patil	Preparation of ecofriendly fabric softeners	Dr. V.R. Diware
6.	1.Vaibhav G. Kinage 2.Pawan C. Rane 3.Vivek P. Bhadane 4.Jayesh S. Patil	Extraction of Lycopene from tomato	Dr. N.Y. Ghare
7.	1.Janhavi A. Patil 2. Bhagyashree E. Jadhav 3.Rahul S. Shirame 4.Anmol A. Koli	Preparation of wax and grease from waste plastic	Dr. V.R. Diware
8.	1.Chetan N. Patil 2.Aachal P. Mude 3.Dinesh S. Kumbhar 4.Shubham C. Chaudhari	Preparation of green biosolvent for advanced CO ₂ capture from soyabean seeds	Dr. V.R. Diware


(Dr. N.Y. Ghare)


(Dr. V.R. Diware)
Head of the Dept
Chemical Engg.
College of Engg. & Tech.
Post. Box No. 94, Jalgaon

SSBT'S COLLEGE OF ENGINEERING AND TECHNOLOGY, BAMBHORI, JALGAON

DEPARTMENT OF CHEMICAL ENGINEERING

LIST OF MINOR PROJECTS: 2022-2023

Third Year: Chemical Engineering (T.E.)

Group No.	Name of Students	Project Title	Name of Guide
GR I	Bhadane Narendra Dnyaneshwar	Recovery and Analysis of Banana Peel Oil	Dr.S.A.Thakur
	Patil Harshad Rajendra		
	Kokane Yogesh Govinda		
	Shende Gaurav Satish		
GR II	Moris Vaibhav Prakash	Solvent Extraction of Mint Oil from Mint Leaves	
	Chaudhari Nayan Rajendra		
	Rajput Nikhil Bharatsing		
	Patil Mahesh Narayan		
GR III	Nikam Chetan Kailas	Preparation of Liquid Handwash from Different Oils	
	Vasave Vinod Dharma		
	Patil Vaishnavi Sanjay		
	Chaudhari Pragati Prakash		
GR IV	Pawar Himanshu Bharatsing	Extraction of Rose Oil from Hydrodistillation	
	Rajput Tanmay Sureshsing		
	Zambare Devendra Narendra		
	Dhangar Pravin Pandhari		



Dr.S.A.Thakur

Class Teacher



Dr.V.R.Diware

H.O.D. Chemical Engg.
Head of the dept
Chemical Engg.
College of Engg. & Tech
Post. Box No. 94, Jalgaon

DEPARTMENT OF CHEMICAL ENGINEERING
MENTOR– MENTEE ALLOCATION
(under Teacher - Guardian Scheme)
(2022-2023)

SR.NO.	NAME	YEAR	MENTEE
1	BHADANE VIVEK FAKIRA	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
2	CHAUDHARI SHUBHAM CHHOTU	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
3	DESALE ARPITAPRADEEP	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
4	DESHPANDE AMIT MANOJ	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
5	GIRASE HEMANTSING PRAVINSING	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
6	GIRASE KAUSHAL RUPSING	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
7	JADHAV BHAGYASHRI EKNATH	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
8	KINAGE VAIBHAV GAJANAN	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
9	KOLI ANMOL ANKUSH	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
10	KUMBHAR DINESH SANJAY	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
11	MAHAJAN TEJAS RAJENDRA	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
12	MANSURI NILOFAR PARVEEN	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
13	MUDE AACHAL PRABHAKARRAO	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
14	MUNGAL SATYAPALDILIPRAO	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
15	NIKAM PARAG VIJAY	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
16	PATIL CHETAN NANA	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
17	PATIL JANHAVI ASHOK	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
18	PATIL JAYESH SUNIL	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
19	PATIL KEDAR SUNIL	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
20	PATIL LALIT HIRALAL	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
21	PATIL NILESH SUNIL	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
22	PATIL SACHIN SUDHAKAR	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
23	PATIL SHUBHAM RAJU	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
24	PATIL SUYOG RAVINDRA	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
25	RAJPUT ASHITOSH RAJENDRA	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
26	RANE PAWAN CHANDRAKANT	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
27	RATHOD KIRAN DILIP	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
28	SALUNKHE VAIBHAV PRASHANT	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
29	SANER NIKHIL MANOJ	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
30	SHIRAME RAHUL SUNIL	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
31	THAKUR AMOLKUMAR RAJENDRA	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
32	YADAV AJIT SANJAY	BE	DR.N.Y.GHARE & DR.V.R.DIWARE
33	BHADANE NARENDRA DNYANESHWAR	TE	SHRI V.P. SANGORE & DR.S.A.THAKUR
34	CHAUDHARI NAYAN RAJENDRA	TE	SHRI V.P. SANGORE & DR.S.A.THAKUR
35	CHAUDHARI PRAGATI PRAKASH	TE	SHRI V.P. SANGORE & DR.S.A.THAKUR
36	DHANGAR PRAVIN PANDHARI	TE	SHRI V.P. SANGORE & DR.S.A.THAKUR
37	KOKANE YOGESH GOVINDA	TE	SHRI V.P. SANGORE & DR.S.A.THAKUR
38	MORIS VAIBHAV PRAKASH	TE	SHRI V.P. SANGORE & DR.S.A.THAKUR
39	PATIL HARSHAD RAJENDRA	TE	SHRI V.P. SANGORE & DR.S.A.THAKUR
40	PATIL VAISHNAVI SANJAY	TE	SHRI V.P. SANGORE & DR.S.A.THAKUR

41	PAWAR HIMANSHU BHARATSING	TE	SHRI V.P. SANGORE & DR.S.A.THAKUR
42	RAJPUT TANMAY SUREHSING	TE	SHRI V.P. SANGORE & DR.S.A.THAKUR
43	SHENDE GAURAV SATISH	TE	SHRI V.P. SANGORE & DR.S.A.THAKUR
44	VASAVE VINOD DHARMA	TE	SHRI V.P. SANGORE & DR.S.A.THAKUR
45	ZAMBARE DEVENDRA NARENDRA	TE	SHRI V.P. SANGORE & DR.S.A.THAKUR
46	NIKAM CIETAN KAILAS	TE	SHRI V.P. SANGORE & DR.S.A.THAKUR
47	PATIL MAHESH NARAYAN	TE	SHRI V.P. SANGORE & DR.S.A.THAKUR
48	RAJPUT NIKHIL BHARATSING	TE	SHRI V.P. SANGORE & DR.S.A.THAKUR
49	BHOI JAGDISH RAGHUNATH	SE	SHRI V.P. SANGORE & DR.S.A.THAKUR
50	KOLI PREM SANJAY	SE	SHRI V.P. SANGORE & DR.S.A.THAKUR
51	PATEL DEV VASANT	SE	SHRI V.P. SANGORE & DR.S.A.THAKUR
52	PATIL TEJAS DHIRAJ	SE	SHRI V.P. SANGORE & DR.S.A.THAKUR
53	YEOLE RAHUL RAMESH	SE	SHRI V.P. SANGORE & DR.S.A.THAKUR
54	CHAVAN SIDDHU SURYAKANT	SE	SHRI V.P. SANGORE & DR.S.A.THAKUR
55	KAKUSTE PRATHAMESH SUNIL	SE	SHRI V.P. SANGORE & DR.S.A.THAKUR
56	PANJARDE RAHUL SUPADU	SE	SHRI V.P. SANGORE & DR.S.A.THAKUR

Head of the dept.
Chemical Engg.
College of Engg. & Tech,
Post. Box No. 94, Jalgaon

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR– MENTEE MEETING MONTHLY REPORT
(under Teacher - Guardian Scheme)

SEMESTER: III

AY: 2022-2023

AUGUST 2022

Name of the Mentor: SHRI V.P. SANGORE & DR.S.A.THAKUR

Name of the Department: Chemical Engineering

Date of Report: 6/8/22

Sr. No.	Name of the Student	Class	Date(s) of Meeting	Present (P) / Absent (A)
1	BHOI JAGDISH RAGHUNATH	S.E.	06.08.2022	P
2	KOLI PREM SANJAY			P
3	PATEL DEV VASANT			P
4	PATIL TEJAS DHIRAJ			P
5	YEOLE RAHUL RAMESH			P

ISSUES DISCUSSED:

1. Importance of Attendance
2. Importance of Continuous learning

ACTIONS / SUGGESTIONS:

1. Advised to be regular for proper understanding of the subjects
2. Continuous learning through self-motivation and improvement in skill set

(V.P. SANGORE) (Dr. S. A. Thakur)
(Name & Signature with date of the Mentors)

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR – MENTEE MEETING MONTHLY REPORT
(under Teacher - Guardian Scheme)

SEMESTER: III

AY: 2022-2023

SEPTEMBER 2022

Name of the Mentor: SHRI V.P. SANGORE & DR.S.A.THAKUR

Name of the Department: Chemical Engineering

Date of Report: 10/09/2022

Sr. No.	Name of the Student	Class	Date(s) of Meeting	Present (P) / Absent (A)
1	BHOI JAGDISH RAGHUNATH	S.E.	10.09.2022	A
2	KOLI PREM SANJAY			P
3	PATEL DEV VASANT			P
4	PATIL TEJAS DHIRAJ			P
5	YEOLE RAHUL RAMESH			P

ISSUES DISCUSSED:

1. Preparation for ISE
2. Exam issues

ACTIONS / SUGGESTIONS:

1. Study material circulation
2. Preparing Subjects by details

(V.P. Sangore)

(Dr. S. A. Thakur)

(Name & Signature with date of the Mentors)

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR – MENTEE MEETING MONTHLY REPORT
(under Teacher - Guardian Scheme)

SEMESTER: III

AY: 2022-2023

OCTOBER 2022

Name of the Mentor: SHRI V.P. SANGORE & DR.S.A.THAKUR

Name of the Department: Chemical Engineering

Date of Report: 08/10/2022

Sr. No.	Name of the Student	Class	Date(s) of Meeting	Present (P) / Absent (A)
1	BHOI JAGDISH RAGHUNATH	S.E.	08.10.2022	P
2	KOLI PREM SANJAY			P
3	PATEL DEV VASANT			P
4	PATIL TEJAS DHIRAJ			P
5	YEOLE RAHUL RAMESH			A

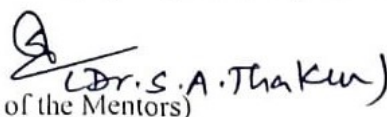
ISSUES DISCUSSED:

1. Staying engaged
2. Social activities participation
3. Preparation for University Examination

ACTIONS / SUGGESTIONS:

1. For interaction with teachers students are counseled to be in touch with college by any available resources for learning , to develop social expertise as well as one to one interactions.
2. Discussed importance of Chemical Engineer for societal Development
3. Study material circulation for preparing University examination


(V.P. Sangore)


(Dr. S.A. Thakur)

(Name & Signature with date of the Mentors)

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR– MENTEE MEETING MONTHLY REPORT
(under Teacher - Guardian Scheme)

SEMESTER: V

AY: 2022-2023

AUGUST 2022

Name of the Mentor: SHRI V.P. SANGORE & DR.S.A.THAKUR

Name of the Department: Chemical Engineering

Date of Report: 06.08.2022

Sr. No.	Name of the Student	Class	Date of Meeting	Present (P) / Absent (A)
1	Bhadane Narendra Dnyaneshwar	T.E.	06.08.2022	P
2	Chaudhari Nayan Rajendra			P
3	Chaudhari Pragati Prakash			P
4	Dhangar Pravin Pandhari			P
5	Kokane Yogesh Govinda			P
6	Moris Vaibhav Prakash			P
7	Patil Harshad Rajendra			P
8	Patil Vaishnavi Sanjay			P
9	Pawar Himanshu Bharatsing			P
10	Rajput Tanmay Sureshsing			P
11	Shende Gaurav Satish			P
12	Vasave Vinod Dharma			P
13	Zambare Devendra Narendra			P
14	Nikam Chetan Kailas			P
15	Patil Mahesh Narayan			P
16	Rajput Nikhil Bharatsing			P

ISSUES DISCUSSED:

1. Importance of Attendance
2. Importance of Continuous learning

ACTIONS / SUGGESTIONS:

1. Advised to be regular for proper understanding of the subjects
2. Continuous learning through self-motivation and improvement in skill set

(V.P. Sangore)

(Name & Signature with date of the Mentors)

(Dr. S. A. Thakur)

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR – MENTEE MEETING MONTHLY REPORT
(under Teacher - Guardian Scheme)

SEMESTER: V

AY: 2022-2023

SEPTEMBER 2022

Name of the Mentor: SHRI V.P. SANGORE & DR.S.A.THAKUR

Name of the Department: Chemical Engineering

Date of Report: 10.09.2022

Sr. No.	Name of the Student	Class	Date of Meeting	Present (P) / Absent (A)
1	Bhadane Narendra Dnyaneshwar	T.E.	10.09.2022	A
2	Chaudhari Nayan Rajendra			P
3	Chaudhari Pragati Prakash			P
4	Dhangar Pravin Pandhari			P
5	Kokane Yogesh Govinda			P
6	Moris Vaibhav Prakash			P
7	Patil Harshad Rajendra			P
8	Patil Vaishnavi Sanjay			P
9	Pawar Himanshu Bharatsing			P
10	Rajput Tanmay Sureshsing			P
11	Shende Gaurav Satish			P
12	Vasave Vinod Dharma			P
13	Zambare Devendra Narendra			P
14	Nikam Chetan Kailas			P
15	Patil Mahesh Narayan			P
16	Rajput Nikhil Bharatsing			P

ISSUES DISCUSSED:

1. Preparation for ISE
2. Involvement in Technical Activities

ACTIONS / SUGGESTIONS:

1. Study material circulation
2. Preparing Technical Papers by Literature Survey


V.P. Sangore

(Name & Signature with date of the Mentors)


S.A. Thakur

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR – MENTEE MEETING MONTHLY REPORT
(under Teacher - Guardian Scheme)

SEMESTER: V

AY: 2022-2023

OCTOBER 2022

Name of the Mentor: SHRI V.P. SANGORE & DR.S.A.THAKUR

Name of the Department: Chemical Engineering

Date of Report: 08.10.2022

Sr. No.	Name of the Student	Class	Date of Meeting	Present (P) / Absent (A)
1	Bhadane Narendra Dnyaneshwar	T.E.	08.10.2022	P
2	Chaudhari Nayan Rajendra			P
3	Chaudhari Pragati Prakash			P
4	Dhangar Pravin Pandhari			P
5	Kokane Yogesh Govinda			P
6	Moris Vaibhav Prakash			P
7	Patil Harshad Rajendra			P
8	Patil Vaishnavi Sanjay			A
9	Pawar Himanshu Bharatsing			P
10	Rajput Tanmay Sureshsing			P
11	Shende Gaurav Satish			P
12	Vasave Vinod Dharma			A
13	Zambare Devendra Narendra			P
14	Nikam Chetan Kailas			A
15	Patil Mahesh Narayan			P
16	Rajput Nikhil Bharatsing			P

ISSUES DISCUSSED:

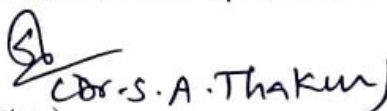
1. Preparation for University Examination
2. Importance of Continuous learning

ACTIONS / SUGGESTIONS:

1. Study material circulation for preparing University examination
2. Continuous learning through self-motivation and improvement in skill set


(V.P. Sangore)

(Name & Signature with date of the Mentors)


(Dr. S.A. Thakur)

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
 BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR – MENTEE MEETING MONTHLY REPORT

(under Teacher - Guardian Scheme)

SEMESTER: VII

AY: 2022-2023

AUGUST 2022

Name of the Mentor: DR.N.Y.GHARE & DR.V.R.DIWARE

Name of the Department: Chemical Engineering

Date of Report: 6/9/2022

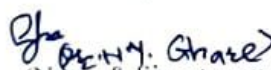
Sr. No.	Name of the Student	Class	Date of Meeting	Present (P) / Absent (A)
1	BHADANE VIVEK FAKIRA	B.E.	06.08.2022	P
2	CHAUDHARI SHUBHAM CHHOTU			P
3	DESALE ARPITAPRADEEP			P
4	DESHPANDE AMIT MANOJ			P
5	GIRASE HEMANTSING PRAVINSING			P
6	GIRASE KAUSHAL RUPSING			A
7	JADHAV BHAGYASHRI EKNATH			P
8	KINAGE VAIBHAV GAJANAN			P
9	KOLI ANMOL ANKUSH			P
10	KUMBHAR DINESH SANJAY			P
11	MAHAJAN TEJAS RAJENDRA			P
12	MANSURI NILOFAR PARVEEN			P
13	MUDE AACHAL PRABHAKARRAO			P
14	MUNGAL SATYAPALDILIPRAO			P
15	NIKAM PARAG VIJAY			P
16	PATIL CHETAN NANA			P
17	PATIL JANHAVI ASHOK			P
18	PATIL JAYESH SUNIL			P
19	PATIL KEDAR SUNIL			P
20	PATIL LALIT HIRALAL			P
21	PATIL NILESH SUNIL			P
22	PATIL SACHIN SUDHAKAR			P
23	PATIL SHUBHAM RAJU			P
24	PATIL SUYOG RAVINDRA			P
25	RAJPUT ASHITOSH RAJENDRA			P
26	RANE PAWAN CHANDRAKANT			P
27	RATHOD KIRAN DILIP			P
28	SALUNKHE VAIBHAV PRASHANT			P
29	SANER NIKHIL MANOJ			P
30	SHIRAME RAHUL SUNIL			P
31	THAKUR AMOLKUMAR RAJENDRA			P
32	YADAV AJIT SANJAY			P

ISSUES DISCUSSED:

1. Preparation of Subjects
2. Attendance issues

ACTIONS / SUGGESTIONS:

1. Encouraged students to develop problem solving skills
2. Importance of attending classes was explained to students..



 (Name & Signature with date of the Mentors)

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR – MENTEE MEETING MONTHLY REPORT
(under Teacher - Guardian Scheme)

SEMESTER: VII

AY: 2022-2023

SEPTEMBER 2022

Name of the Mentor: DR.N.Y.GHARE & DR.V.R.DIWARE

Name of the Department: Chemical Engineering

Date of Report: 10.9.2022

Sr. No.	Name of the Student	Class	Date of Meeting	Present (P) / Absent (A)
1	BHADANE VIVEK FAKIRA	B.E.	10.09.2022	P
2	CHAUDHARI SHUBHAM CHHOTU			P
3	DESALE ARPITAPRADEEP			P
4	DESHPANDE AMIT MANOJ			A
5	GIRASE HEMANTSING PRAVINSING			P
6	GIRASE KAUSHAL RUPSING			P
7	JADHAV BHAGYASHRI EKNATH			P
8	KINAGE VAIBHAV GAJANAN			P
9	KOLI ANMOL ANKUSH			P
10	KUMBHAR DINESH SANJAY			P
11	MAHAJAN TEJAS RAJENDRA			A
12	MANSURI NILOFAR PARVEEN			P
13	MUDE AACHAL PRABHAKARRAO			P
14	MUNGAL SATYAPALDILIPRAO			P
15	NIKAM PARAG VIJAY			P
16	PATIL CHETAN NANA			P
17	PATIL JANHAVI ASHOK			P
18	PATIL JAYESH SUNIL			P
19	PATIL KEDAR SUNIL			P
20	PATIL LALIT HIRALAL			P
21	PATIL NILESH SUNIL			P
22	PATIL SACHIN SUDHAKAR			P
23	PATIL SHUBHAM RAJU			P
24	PATIL SUYOG RAVINDRA			P
25	RAJPUT ASHITOSH RAJENDRA			P
26	RANE PAWAN CHANDRAKANT			P
27	RATHOD KIRAN DILIP			P
28	SALUNKHE VAIBHAV PRASHANT			P
29	SANER NIKHIL MANOJ			P
30	SHIRAME RAHUL SUNIL			P
31	THAKUR AMOLKUMAR RAJENDRA			P
32	YADAV AJIT SANJAY			P

ISSUES DISCUSSED:

1. Project Work
2. Participation in Co-curricular and Extra-curricular Activities

ACTIONS / SUGGESTIONS:

1. Students advised to plan and execute the project work in time and better quality.
2. Students encouraged for participation to enhance technical and interpersonal skills.


(Name & Signature with date of the Mentors)


(Name & Signature with date of the Mentors)

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR – MENTEE MEETING MONTHLY REPORT
(under Teacher - Guardian Scheme)

SEMESTER: VII

AY: 2022-2023

OCTOBER 2022

Name of the Mentor: DR.N.Y.GHARE & DR.V.R.DIWARE

Name of the Department: Chemical Engineering

Date of Report: 8/10/2022

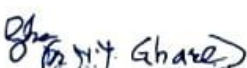
Sr. No.	Name of the Student	Class	Date of Meeting	Present (P) / Absent (A)
1	BHADANE VIVEK FAKIRA	B.E.	08.10.2022	P
2	CHAUDHARI SHUBHAM CHHOTU			P
3	DESALE ARPITAPRADEEP			P
4	DESHPANDE AMIT MANOJ			P
5	GIRASE HEMANTSING PRAVINSING			P
6	GIRASE KAUSHAL RUPSING			P
7	JADHAV BHAGYASHRI EKNATH			P
8	KINAGE VAIBHAV GAJANAN			P
9	KOLI ANMOL ANKUSH			P
10	KUMBHAR DINESH SANJAY			P
11	MAHAJAN TEJAS RAJENDRA			P
12	MANSURI NILOFAR PARVEEN			P
13	MUDE AACHAL PRABHAKARRAO			P
14	MUNGAL SATYAPALDILIPRAO			P
15	NIKAM PARAG VIJAY			P
16	PATIL CHETAN NANA			P
17	PATIL JANHAVI ASHOK			P
18	PATIL JAYESH SUNIL			P
19	PATIL KEDAR SUNIL			P
20	PATIL LALIT HIRALAL			P
21	PATIL NILESH SUNIL			P
22	PATIL SACHIN SUDHAKAR			P
23	PATIL SHUBHAM RAJU			P
24	PATIL SUYOG RAVINDRA			P
25	RAJPUT ASHITOSH RAJENDRA			P
26	RANE PAWAN CHANDRAKANT			P
27	RATHOD KIRAN DILIP			P
28	SALUNKHE VAIBHAV PRASHANT			P
29	SANER NIKHIL MANOJ			P
30	SHIRAME RAHUL SUNIL			P
31	THAKUR AMOLKUMAR RAJENDRA			P
32	YADAV AJIT SANJAY			A

ISSUES DISCUSSED:

1. Career Counseling
2. Job opportunities

ACTIONS / SUGGESTIONS:

1. Students are counseled for careers in various industrial opportunities and Higher studies.
2. Students are encouraged for certification and training programmes for better job opportunities



 (Name & Signature with date of the Mentors)

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR– MENTEE MEETING MONTHLY REPORT
(under Teacher - Guardian Scheme)

SEMESTER: IV

AY: 2022-2023

APRIL 2023

Name of the Mentor: SHRI V.P. SANGORE & DR.S.A.THAKUR

Name of the Department: Chemical Engineering

Date of Report: 01/04/2023

Sr. No.	Name of the Student	Class	Date(s) of Meeting	Present (P) / Absent (A)
1	BHOI JAGDISH RAGHUNATH	S.E.	01.04.2023	A
2	KOLI PREM SANJAY			P
3	PATEL DEV VASANT			P
4	PATIL TEJAS DHIRAJ			P
5	YEOLE RAHUL RAMESH			P
6	CHAVAN SIDDHU SURYAKANT			A
7	KAKUSTE PRATHAMESH SUNIL			P
8	PANJARDE RAHUL SUPADU			P

ISSUES DISCUSSED:

1. Individual Subject Preparation
2. Staying engaged

ACTIONS / SUGGESTIONS:

1. Guided for detailed study approach
2. For interaction with teachers students are counseled to be in touch with college by any available resources for learning , to develop social expertise as well as one to one interactions

(V.P. Sangore)

(Dr. S.A. Thakur)

(Name & Signature with date of the Mentors)

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR – MENTEE MEETING MONTHLY REPORT
(under Teacher - Guardian Scheme)

SEMESTER: IV

AY: 2022-2023

MAY 2023

Name of the Mentor: SHRI V.P. SANGORE & DR.S.A.THAKUR

Name of the Department: Chemical Engineering

Date of Report: 13.05.2023

Sr. No.	Name of the Student	Class	Date(s) of Meeting	Present (P) / Absent (A)
1	BHOI JAGDISH RAGHUNATH	S.E.	13.05.2023	P
2	KOLI PREM SANJAY			P
3	PATEL DEV VASANT			P
4	PATIL TEJAS DHIRAJ			P
5	YEOLE RAHUL RAMESH			P
6	CHAVAN SIDDHU SURYAKANT			A
7	KAKUSTE PRATHAMESH SUNIL			P
8	PANJARDE RAHUL SUPADU			A

ISSUES DISCUSSED:

1. Preparation for ISE
2. Importance of Continuous learning

ACTIONS / SUGGESTIONS:

1. Study material circulation
2. Continuous learning through self-motivation and improvement in skill set

(V.P. Sangore)

(Name & Signature with date of the Mentors)

(S.A. Thakur)

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR – MENTEE MEETING MONTHLY REPORT
(under Teacher - Guardian Scheme)

SEMESTER: IV

AY: 2022-2023

JUNE 2023

Name of the Mentor: SHRI V.P. SANGORE & DR.S.A.THAKUR

Name of the Department: Chemical Engineering

Date of Report: 10/06/2023

Sr. No.	Name of the Student	Class	Date(s) of Meeting	Present (P) / Absent (A)
1	BHOI JAGDISH RAGHUNATH	S.E.	10.06.2023	P
2	KOLI PREM SANJAY			P
3	PATEL DEV VASANT			P
4	PATIL TEJAS DHIRAJ			P
5	YEOLE RAHUL RAMESH			P
6	CHAVAN SIDDHU SURYAKANT			A
7	KAKUSTE PRATHAMESH SUNIL			P
8	PANJARDE RAHUL SUPADU			P

ISSUES DISCUSSED:

1. Preparation for University examination
2. Preparation for Practical examination

ACTIONS / SUGGESTIONS:

1. Advised for detailed study by referring Moodle notes and Text Books
2. Conducted mock practical examination


(V.P. Sangore)

(Name & Signature with date of the Mentors)


(S.A. Thakur)

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR– MENTEE MEETING MONTHLY REPORT
(under Teacher - Guardian Scheme)

SEMESTER: VI

AY: 2022-2023

JANUARY 2023

Name of the Mentor: SHRI V.P. SANGORE & DR.S.A.THAKUR

Name of the Department: Chemical Engineering

Date of Report: 14.01.2023

Sr. No.	Name of the Student	Class	Date(s) of Meeting	Present (P) / Absent (A)
1	Bhadane Narendra Dnyaneshwar	T.E.	14.01.2023	P
2	Chaudhari Nayan Rajendra			P
3	Chaudhari Pragati Prakash			P
4	Dhangar Pravin Pandhari			P
5	Kokane Yogesh Govinda			P
6	Moris Vaibhav Prakash			P
7	Patil Harshad Rajendra			P
8	Patil Vaishnavi Sanjay			P
9	Pawar Himanshu Bharatsing			P
10	Rajput Tanmay Sureshsing			P
11	Shende Gaurav Satish			A
12	Vasave Vinod Dharma			P
13	Zambare Devendra Narendra			P
14	Nikam Chetan Kailas			A
15	Patil Mahesh Narayan			P
16	Rajput Nikhil Bharatsing			P

ISSUES DISCUSSED:

1. Exam issues
2. Involvement in Technical Activities

ACTIONS / SUGGESTIONS:

1. Advised for detailed study by referring Moodle notes and Text Books
2. Advised to participate in various Technical Activities for overall development

(V.P. Sangore)
(Name & Signature with date of the Mentors)

(S.A. Thakur)
(Name & Signature with date of the Mentors)

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR– MENTEE MEETING MONTHLY REPORT
(under Teacher - Guardian Scheme)

SEMESTER: VI

AY: 2022-2023

FEBRUARY 2023

Name of the Mentor: SHRI V.P. SANGORE & DR.S.A.THAKUR

Name of the Department: Chemical Engineering

Date of Report: 25.02.2023

Sr. No.	Name of the Student	Class	Date(s) of Meeting	Present (P) / Absent (A)
1	Bhadane Narendra Dnyaneshwar	T.E.	25.02.2023	P
2	Chaudhari Nayan Rajendra			P
3	Chaudhari Pragati Prakash			P
4	Dhangar Pravin Pandhari			A
5	Kokane Yogesh Govinda			P
6	Moris Vaibhav Prakash			P
7	Patil Harshad Rajendra			P
8	Patil Vaishnavi Sanjay			P
9	Pawar Himanshu Bharatsing			P
10	Rajput Tanmay Sureshsing			P
11	Shende Gaurav Satish			P
12	Vasave Vinod Dharma			A
13	Zambare Devendra Narendra			P
14	Nikam Chetan Kailas			P
15	Patil Mahesh Narayan			P
16	Rajput Nikhil Bharatsing			P

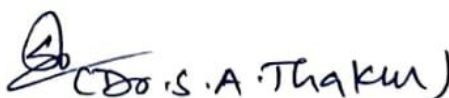
ISSUES DISCUSSED:

1. Preparation for ISE
2. Minor Project

ACTIONS / SUGGESTIONS:

1. Study material circulation and reference of study material available online
2. Review of Minor Project taken


V.P. Sangore


S.A. Thakur

(Name & Signature with date of the Mentors)

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR – MENTEE MEETING MONTHLY REPORT
(under Teacher - Guardian Scheme)

SEMESTER: VI

AY: 2022-2023

MARCH 2023

Name of the Mentor: SHRI V.P. SANGORE & DR.S.A.THAKUR

Name of the Department: Chemical Engineering

Date of Report: 18.03.2023

Sr. No.	Name of the Student	Class	Date(s) of Meeting	Present (P) / Absent (A)
1	Bhadane Narendra Dnyaneshwar	T.E.	18.03.2023	P
2	Chaudhari Nayan Rajendra			P
3	Chaudhari Pragati Prakash			P
4	Dhangar Pravin Pandhari			P
5	Kokane Yogesh Govinda			P
6	Moris Vaibhav Prakash			P
7	Patil Harshad Rajendra			P
8	Patil Vaishnavi Sanjay			P
9	Pawar Himanshu Bharatsing			P
10	Rajput Tanmay Sureshsing			P
11	Shende Gaurav Satish			P
12	Vasave Vinod Dharma			P
13	Zambare Devendra Narendra			P
14	Nikam Chetan Kailas			P
15	Patil Mahesh Narayan			P
16	Rajput Nikhil Bharatsing			P

ISSUES DISCUSSED:

1. Minor Project
2. Exam issues

ACTIONS / SUGGESTIONS:

1. Review of Minor Project taken
2. For practice question banks are provided to students to help in appearing online MCQ exams.

(V.P. Sangore)

(Name & Signature with date of the Mentors)

(Dr. S.A. Thakur)

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
 BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR – MENTEE MEETING MONTHLY REPORT
 (under Teacher - Guardian Scheme)

SEMESTER: VIII

AY: 2022-2023

JANUARY 2023

Name of the Mentor: DR.N.Y.GHARE & DR.V.R.DIWARE

Name of the Department: Chemical Engineering

Date of Report: 14/01/2023

Sr. No.	Name of the Student	Class	Date of Meeting	Present (P) / Absent (A)
1	BHADANE VIVEK FAKIRA	B.E.	14.01.2023	P
2	CHAUDHARI SHUBHAM CHHOTU			P
3	DESALE ARPITAPRADEEP			P
4	DESHPANDE AMIT MANOJ			A
5	GIRASE HEMANTSING PRAVINSING			P
6	GIRASE KAUSHAL RUPSING			P
7	JADHAV BHAGYASHRI EKNATH			P
8	KINAGE VAIBHAV GAJANAN			P
9	KOLI ANMOL ANKUSH			P
10	KUMBHAR DINESH SANJAY			P
11	MAHAJAN TEJAS RAJENDRA			P
12	MANSURI NILOFAR PARVEEN			A
13	MUDE AACHAL PRABHAKARRAO			P
14	MUNGAL SATYAPALDILIPRAO			P
15	NIKAM PARAG VIJAY			P
16	PATIL CHETAN NANA			P
17	PATIL JANHAVI ASHOK			P
18	PATIL JAYESH SUNIL			P
19	PATIL KEDAR SUNIL			P
20	PATIL LALIT HIRALAL			P
21	PATIL NILESH SUNIL			P
22	PATIL SACHIN SUDHAKAR			P
23	PATIL SHUBHAM RAJU			P
24	PATIL SUYOG RAVINDRA			P
25	RAJPUT ASHITOSH RAJENDRA			P
26	RANE PAWAN CHANDRAKANT			P
27	RATHOD KIRAN DILIP			P
28	SALUNKHE VAIBHAV PRASHANT			P
29	SANER NIKHIL MANOJ			P
30	SHIRAME RAHUL SUNIL			P
31	THAKUR AMOLKUMAR RAJENDRA			P
32	YADAV AJIT SANJAY			P

ISSUES DISCUSSED:

1. Importance of Continuous learning
2. Family issues

ACTIONS / SUGGESTIONS:

1. Highlighted the importance of attendance, punctuality, performance for better understanding.
2. For development of positive approach to face the situation such as health and finance students are counseled.

(Dr N.Y. Ghare) (Dr V.R. Diware)

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR – MENTEE MEETING MONTHLY REPORT
(under Teacher - Guardian Scheme)

SEMESTER: VIII

AY: 2022-2023

FEBRUARY 2023

Name of the Mentor: DR.N.Y.GHARE & DR.V.R.DIWARE

Name of the Department: Chemical Engineering

Date of Report: 25/02/2023

Sr. No.	Name of the Student	Class	Date of Meeting	Present (P) / Absent (A)
1	BHADANE VIVEK FAKIRA	B.E.	25.02.2023	P
2	CHAUDHARI SHUBHAM CHHOTU			P
3	DESALE ARPITAPRADEEP			P
4	DESHPANDE AMIT MANOJ			P
5	GIRASE HEMANTSING PRAVINSING			P
6	GIRASE KAUSHAL RUPSING			P
7	JADHAV BHAGYASHRI EKNATH			P
8	KINAGE VAIBHAV GAJANAN			P
9	KOLI ANMOL ANKUSH			P
10	KUMBHAR DINESH SANJAY			P
11	MAHAJAN TEJAS RAJENDRA			P
12	MANSURI NILOFAR PARVEEN			P
13	MUDE AACHAL PRABHAKARRAO			P
14	MUNGAL SATYAPALDILIPRAO			P
15	NIKAM PARAG VIJAY			P
16	PATIL CHETAN NANA			P
17	PATIL JANHAVI ASHOK			P
18	PATIL JAYESH SUNIL			P
19	PATIL KEDAR SUNIL			P
20	PATIL LALIT HIRALAL			P
21	PATIL NILESH SUNIL			P
22	PATIL SACHIN SUDHAKAR			P
23	PATIL SHUBHAM RAJU			P
24	PATIL SUYOG RAVINDRA			P
25	RAJPUT ASHITOSH RAJENDRA			P
26	RANE PAWAN CHANDRAKANT			P
27	RATHOD KIRAN DILIP			P
28	SALUNKHE VAIBHAV PRASHANT			P
29	SANER NIKHIL MANOJ			P
30	SHIRAME RAHUL SUNIL			P
31	THAKUR AMOLKUMAR RAJENDRA			P
32	YADAV AJIT SANJAY			P

ISSUES DISCUSSED:

1. Preparation of Subjects
2. Mental and Physical Stress

ACTIONS / SUGGESTIONS:

1. Encouraged students to develop writing skills by practicing regularly
2. Discussed Importance of Meditation, Yoga and sports to relieve from mental and physical stress to students


(Name & Signature with date of the Mentors)

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

MENTOR – MENTEE MEETING MONTHLY REPORT
(under Teacher - Guardian Scheme)

SEMESTER: VIII

AY: 2022-2023

MARCH 2023

Name of the Mentor: DR.N.Y.GHARE & DR.V.R.DIWARE

Name of the Department: Chemical Engineering

Date of Report: 18/3/2023

Sr. No.	Name of the Student	Class	Date of Meeting	Present (P) / Absent (A)
1	BHADANE VIVEK FAKIRA	B.E.	18.03.2023	P
2	CHAUDHARI SHUBHAM CHHOTU			P
3	DESALE ARPITAPRADEEP			P
4	DESHPANDE AMIT MANOJ			P
5	GIRASE HEMANTSING PRAVINSING			P
6	GIRASE KAUSHAL RUPSING			P
7	JADHAV BHAGYASHRI EKNATH			P
8	KINAGE VAIBHAV GAJANAN			P
9	KOLI ANMOL ANKUSH			P
10	KUMBHAR DINESH SANJAY			P
11	MAHAJAN TEJAS RAJENDRA			P
12	MANSURI NILOFAR PARVEEN			P
13	MUDE AACHAL PRABHAKARRAO			P
14	MUNGAL SATYAPALDILIPRAO			P
15	NIKAM PARAG VIJAY			P
16	PATIL CHETAN NANA			P
17	PATIL JANHAVI ASHOK			P
18	PATIL JAYESH SUNIL			P
19	PATIL KEDAR SUNIL			P
20	PATIL LALIT HIRALAL			P
21	PATIL NILESH SUNIL			P
22	PATIL SACHIN SUDHAKAR			P
23	PATIL SHUBHAM RAJU			P
24	PATIL SUYOG RAVINDRA			P
25	RAJPUT ASHITOSH RAJENDRA			P
26	RANE PAWAN CHANDRAKANT			P
27	RATHOD KIRAN DILIP			P
28	SALUNKHE VAIBHAV PRASHANT			P
29	SANER NIKHIL MANOJ			P
30	SHIRAME RAHUL SUNIL			P
31	THAKUR AMOLKUMAR RAJENDRA			P
32	YADAV AJIT SANJAY			P

ISSUES DISCUSSED:

1. Profile presentation
2. Industry Readiness
3. Placement

ACTIONS / SUGGESTIONS:

1. Advised to prepare detailed Curriculum Vitae
2. Broad approach required for subjects and their application in problem solving
3. Encouragement for placement preparation

(Signature of Dr. N.Y. Ghare) *(Signature of Dr. V.R. Diware)*
 (Name & Signature with date of the Mentors)