NANDHA ENGINEERING COLLEGE, ERODE – 638 052 (An Autonomous Institution, Affiliated to Anna University Chennai and Approved by AICTE New Delhi)

MINUTES OF THE 3rd BOARD OF STUDIES MEETING

Name of the Body	Board of Studies
Name of the Board	B.Tech. Chemical Engineering
Meeting No.	03
Date & Time	01.12.2018, 10.00 AM
Venue	Board Room Nandha Engineering College (Autonomous) Erode – 638 052

1/2/18

NANDHA ENGINEERING COLLEGE, ERODE – 638 052 (An Autonomous Institution, Affiliated to Anna University Chennai and approved by AICTE New Delhi) Minutes of 3rd Board of Studies Meeting (BoS) held on 01.12.2018

The 3rd Board of Studies (BoS) meeting was held on 01.12.2018 by 10.00 am at Board Room, Nandha Engineering College, Erode - 52. The members attended the meeting are given in **Annexure I.**

The Chairman of BoS, Mr.G.Mohankumar, HOD (Chemical Engineering) welcomed the members for the meeting. Then the items listed below were taken for discussion.

The proceedings of BoS started and the minutes of the meeting are recorded as follows:

Item 3.01	To review and approve the syllabi under regulation R17 for 5 th to 8 th s B.Tech chemical Engineering for the batch of students admitted in the second 2019) onwards		
	General suggestion:		
	Dr.C.Karthikeyan has suggested to add text book with latest publication for all the subjects.	Added	
	Mr.N.Thirumurugan has suggested that faculty member undergo a industrial training.	To be Followed	
	Mass Transfer I	Tollowed	
	Mr.R.Karthikeyan has suggested to add title effect of tip speed in crystallization in unit V	Added	
	Chemical Process Industries		
	Dr.K.V.Radha has Suggested to change the order of units		
	Unit 1 Industrial gases and acids		
	Unit 2 Inorganic chemical industry	Changed	
	Unit 3 Pharmaceuticals industry		
	Unit 4 Sugar and starch industry		
	Unit 5 Petroleum industry		
	Dr.N.Anantharaman has suggested add new petrochemicals in unit 5	Added	
	Dr.K.V.Radha has suggested to add 'Job opportunities in chemical industry" in unit 1.	Added	
	Mr.N.Thirumurugan has suggested to add Industrial air and Instrumentation air to unit 1.	Added	
	Chemical Reaction Engineering Dr.K.V.Radha has suggested to rearrange units as per the textbook O. Levenspiel.	Arranged	

G In .	T
Chemical Equipment Design –I	
Dr.C.Karthikeyan has suggested the order of unit title	Arrangeo
Unit 1 Design basics	
Unit 2 Reactor design	
Unit 3 Heat exchangers	
Unit 4 Evaporators and condensers	
Unit 5 Crystallizers and centrifuge	
Dr.K.V.Radha has suggested to give more importance to design of equipments	To be followed
Heat transfer lab:	
Dr.N.Anantharaman has suggested to add experiments on radiation.	Added
Dr.N.Anantharaman has suggested to arrange the order of	
experiments and course objectives by	
Conduction	
Convection	Arrangeo
Radiation	- mange
Heat exchangers and	
Evaporator	
Chemical Reaction Engineering Laboratory Dr.N.Anantharaman has suggested to remove the experiment "study of packed bed catalytic reactor".	Removed
Mass Transfer II (Embedded)	
	Removed
Dr.C.Karthikeyan has suggested to remove the experiment "Mass transfer studies in membrane separations".	
Chemical Equipment Design - II	
Dr.C.Karthikeyan has suggested the order of units	Amongod
Unit 1 Distillation column	Arranged
Unit 2 Absorption column	
TT '. 2 T	
Unit 3 Dryers	
Unit 4 Tall column and pressure vessels	
Unit 4 Tall column and pressure vessels Unit 5 Storage vessels	
Unit 4 Tall column and pressure vessels Unit 5 Storage vessels	Added
Unit 4 Tall column and pressure vessels Unit 5 Storage vessels Mr.N.Thirimurugan has suggested to add freeze dryer and rotary dryer	Added
Unit 4 Tall column and pressure vessels Unit 5 Storage vessels Mr.N.Thirimurugan has suggested to add freeze dryer and rotary dryer in dryers design Process Instrumentation Dynamics And Control	Added
Unit 4 Tall column and pressure vessels Unit 5 Storage vessels Mr.N.Thirimurugan has suggested to add freeze dryer and rotary dryer in dryers design Process Instrumentation Dynamics And Control	
Unit 4 Tall column and pressure vessels Unit 5 Storage vessels Mr.N.Thirimurugan has suggested to add freeze dryer and rotary dryer in dryers design Process Instrumentation Dynamics And Control Dr.K.V.Radha has suggested to remove "p" and concentration"	
Unit 4 Tall column and pressure vessels	Added

Mr.N.Thirimurugan has suggested to add emergency planning in unit 2	Added
Mr.R.Karthikeyan has suggested to add safety data sheet in unit 3 and OHSAS and ISO standard in unit5.	d Added
Process Computation Laboratory	
Dr.N.Anantharaman has suggested to change the name of experiment no. 14 from "Estimation of WBT and DBT" to "Estimation of Humidity"	Changed
Process Engineering Economics And Management	-
Dr.K.V.Radha has suggested to arrange an industrial lecture or overview about the course.	Will be arranged
Dr.N.Anantharaman has suggested to change unit 2 title "Project profitability and financial ratios" to "Cost estimation and financial ratios"	
Mr.N.Thirumurugan has suggested to include process optimization in unit 2	Included
Process Modeling And Simulation(Embedded)	
Dr.N.Anantharaman has suggested to change title of exp. No. 6 from	Changed
"Simulation of distillation column" to "Simulation of distillation rate"	
Food Technology	
Dr.N.Anantharaman has suggested to change title of unit 1 from	
"Introduction" to "Food constituents and Quality standards" & unit 3 from	Changed
"Deterioration and preservation" to "Food preservation".	
Mr.R.Karthikeyan has suggested to add 'milling and sieving' in unit 2	Added
Mr.N.Thirumurugan has suggested to add 'labeling procedure' in unit 5	
Petroleum Refining Engineering	Added
Dr.K.V.Radha has suggested to remove the line 'in all petroleum fractions to improve performance' from unit 3	
Drugs And Pharmaceuticals Technology	
Dr.K.V.Radha has suggested to add classification of drugs and remove the content "uses and its economics" in unit 1	
Dr. C.Karthikeyan has suggested to remove the content " standard of	D ,
hygiene and manufacturing practice "in unit 4	Removed
Mr.N.Thirumurugan has suggested to add HPLC in unit 5	Added
Mr.R.Karthikeyan has suggested to add particle size distribution in unit	
	Added
Dr.N.Anantharaman has adviced to add one more textbook.	Added
Chemical Process Utilities	
Dr.C.Karthikeyan has suggested to add hard water in unit 2.	Added

Modern Separation Processes	
Dr.K.V.Radha has suggested to change the subject title to "Separa	tion
and Purification Processes" and change the word "Recent advances"	" to Change
'Modern' in unit 1	
Mr.R.Karthikeyan has suggested to add diafiltration in unit 2	
Mr.N.Thirumurugan has suggested to remove the content "Ion excha	nge Added
chromatography" in unit 4.	nge Remove
Dr.N.Anantharaman has suggested to change title of unit 5	as Changed
Applications of modern separation techniques.	Change
Air Pollution And Control	
Dr.C.Karthikeyan has suggested to change the unit order and reorgan	nize Changed
the contents.	nze Changed
Polymer Technology	
Mr.N.Thirumurugan has suggested to add latest techniques in unit 4	Added
Dr.K.V.Radha has suggested to change the title of unit 5 as "Indust	
polymers".	rial Changed
Pilot Plant And Scale Up Methods	
Dr.K.V.Radha has suggested to alter the title of all units	Changed
Dr.N.Anantharaman has suggested to merge the content of mass a	
heat operations in single unit.	and Changed
Heterogeneous Catalytic Reactions	
Dr.N.Anantharaman has suggested to add book "J.M.Smith chemi	001
engineering kinetics" in textbook and J.J.Carberry "Chemical and cataly	tic Added
reaction engineering" in reference.	ile - Idaea
Petroleum Process Equipment Auxiliaries	
Dr.K.V.Radha has suggested to change the subject title to "Chemic	Changed
process equipment and auxillaries".	cal Changed
Design Of Pressure Vessels And Piping	
Mr.N.Thirumurugan has suggested to add DDI and a training	A 11 1
Mr.N.Thirumurugan has suggested to add DIN codes in unit 2. Drying Technology	Added
Dr.C.Karthikeyan has suggested to change the contents of all units. Waste Water Treatment	Changed
Dr.K.V.Radha has suggested to add 'Physical and chemical properties waste water' and 'Thermal treatment process' to unit 1.	of Added
Dr.C. Karthikevan has suggested to add (Towns of	
Dr.C.Karthikeyan has suggested to add 'Types of waste water' to unit and 'Chemical reactors and filters' to unit 3	Added
	ACCORDING TO A CONTROL OF THE CONTRO
Dr.N.Anantharaman has suggested to add 'Environment regulation' as change the content 'Impact of regulation' to 'Impact of waste water'	nd Added
unit 1.	

	used in waste water treatment' to 'Design and analysis of biological reactors for waste water treatment' in unit V.		
	Piping Engineering Dr.K.V.Radha has suggested to change the unit 3 title from 'Piping design I' to 'Piping design for utilities' and unit 4 title from 'Piping design II' to 'Piping design for processes'. Mr.N.Thirumurugan has suggested to add the content 'waste water' in unit 4.	Changed	
	Process Automation Dr.K.V.Radha has suggested to change unit 1 title from 'Introduction' to 'Introduction to unit operations'.	Changed	
Resolution	Resolved to approve the syllabi under regulation R17 for 5th to 8th semesters of B.Tec		
Item 3.02	Vote of thanks K.Rajasekaran, AP (Chemical Engineering) proposed the vote of thanks.		

Date: 01.12.2018

Mr. G.Mohankumar

(Chairman, BoS/HOD - Chemical Engineering)

Dr.N.Rengarajan, 1/12/18
Principal