

NANDHA ENGINEERING COLLEGE (Autonomous), Erode - 52
DEPARTMENT OF CHEMICAL ENGINEERING

NEC/Cir/DAB-2/2023-24

DATE: 28.05.2024

CIRCULAR	
Originator: Chairman (HoD - Chemical Engineering.)	Circulated to: All faculty members

Sub: Department Advisory Board (DAB) Meeting

The 2nd Department Advisory Board Meeting of academic year 2023-24 has been scheduled on 31.05.2024 (Friday). In this connection, the agenda and list of members of the PAC are enclosed herewith as annexure. Hence the DAB internal members of the Chemical Engineering Program are requested to attend the meeting and provide your valuable suggestions.

Date & Time of Meeting: 31.05.2024. 03.30 PM (Friday)

Mode: Online Mode


Autonomous Coordinator
28/5/2024


BOS Chairman
28/5/2024



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

DEPARTMENT OF CHEMICAL ENGINEERING

MINUTES OF THE DEPARTMENT ADVISORY COMMITTEE (DAB) MEETING

Meeting No.: 02	Date:31.05.2024	Time: 03.30 pm	Venue: Block – 9, CC LAB	Year: 2023 - 2024
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The 2nd DAB meeting was held on 31.05.2024 by 03.30 pm at Block 9, CC Lab. Then, the items listed below were taken for discussion. List of members attended the meeting is enclosed in Annexure – 1.

AGENDA

Item 2.01	Welcome and introduction of members
Item 2.02	Review of the previous PAC meeting minutes
Item 2.03	Result Analysis and attainment of the 2023-24 Odd semester
Item 2.04	CAT examination result and attainment analysis of 3rd, identification of slow learners and corrective actions.
Item 2.05	Class Committee Meeting (CCM) reports and action taken
Item 2.06	Placement status of IV year (2024 Batch) students and training plan for 2021-2025 batch students.
Item 2.07	R22 regulation, curriculum, syllabus modification and amendments.
Item 2.08	Any other matter

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

Item 2.01	Welcome and introduction of members
Discussion	Dr.A.Murugesan, Chairman – Introduced and welcomed the members followed by a brief note on functioning of PAC and DAB.
Item 2.02	Review of the previous PAC and DAB meeting minutes
Discussion	Dr.A.Murugesan, Chairman – presented the previous PAC and DAB meeting minutes
Resolution	Resolved to approve the PAC and DAB meeting minutes
Item 2.03	Result Analysis and attainment of the 2023-24 Odd semester

Discussion Dr.A.Murugesan, Chairman presented the result analysis of odd semester 2023-24. Fair performance by students noticed in 2023-24 odd semester result analysis. Unit wise Course Outcome attainment requires improvement.

I YEAR/ I SEM (BATCH: 2023-27)

SUBJECT CODE	SUBJECT NAME	NAME OF THE FACULTY	PASS %	TARGET CO ATTAINMENT FIXED (in percentage)	ACHIEVED COURSE OUTCOME(CO) ATTAINMENT (in percentage)				
					CO1	CO2	CO3	CO4	CO5
22MYB01	Calculus and Linear Algebra	Mrs.J.Amutha Praba, AP/Maths	87	70	73	56.33	56.33	64.33	65.66
22CYB03	Chemistry	Dr. M.Vijayalakshmi, Prof. / Chemistry	97	70	68	66	59	56	54
22EEC01	Basic Electrical and Electronics Engineering	Mrs. M. Manjula, AP / EEE	90	70	57	73	41	57	74
22MEC01	Engineering Graphics	Mr. R. Arjunraj, AP / Mechanical	97	70	65	65	57	55	55
22CYP01	Chemistry Laboratory	Dr. M.Vijayalakshmi, Prof. / Chemistry	100	70	93.6	94.4	89.8	89.1	89.6

II YEAR/ III SEM (BATCH: 2022-26)

SUBJECT CODE	SUBJECT NAME	NAME OF THE FACULTY	PASS %	TARGET CO ATTAINMENT FIXED (in percentage)	ACHIEVED COURSE OUTCOME(CO) ATTAINMENT (in percentage)				
					CO1	CO2	CO3	CO4	CO5
22MYB03	Statistics and Numerical Methods	Mrs.J.Amutha Prabha / Maths	100	70	81	81.33	66	82	90.66

22MEC08	Basics of Mechanical Engineering	Mr.R.RajKumar / Mechanical	90	75	84	83.66	89.0	84.33	86.0
22CHC02	Chemical Engineering Fluid mechanics	Ms.S.Keerthika / Chemical	97	70	62.83	65.21	73.65	68.43	73.52
22CHC03	Chemical Process Calculation	Mr.T.Sathish / Chemical	87	75	51.33	51	52.33	55	53
22CHC04	Unit Processes for Chemical Engineers	Mr.S.Pandiarajan / Chemical	95	75	67.79	67.53	60.07	58.51	61.42
22CHC05	Mechanical Operations	Ms.M.Geetha	95	70	61.8	61.2	61.3	53.1	54.7
22CHP01	Fluid Mechanics laboratory	Ms.S.Keerthika / Chemical	100	70	98.7	98.29	97.98	97.83	98.14
22CHP02	Chemical Analysis laboratory	Mr.S.Pandiarajan / Chemical	100	70	97.40	97.72	96.05	97.24	97.89

III YEAR/ V SEM (BATCH: 2021-25)

SUBJECT CODE	SUBJECT NAME	NAME OF THE FACULTY	PASS %	TARGET CO ATTAINMENT FIXED (in percentage)	ACHIEVED COURSE OUTCOME(CO) ATTAINMENT (in percentage)				
					CO1	CO2	CO3	CO4	CO5
17CHC10	Mass Transfer I	Mr.S.Pandiarajan/ Chemical	81	70	52	57.33	57.6	60	59.33
17CHC11	Chemical Process Industries	Mr.M.C.Jawahar/Chemical	88	75	75.33	74.67	82.00	70.67	73.67
17CHC12	Chemical Reaction Engineering	Dr.A.Murugesan/ Chemical	95	70	94.7	58.7	93.0	74.7	55.3
17CHC13	Chemical Equipment Design I	Dr.N.Subramanian	93	70	72.67	88.67	80	80	80.67
17CHX06	Petroleum Refining Engineering	Mr.T.Sathish/Chemical	93	75	56.33	60.3.7	56.7	55.3	60.7
17CHP06	Process Heat Transfer Laboratory	Mr.K.Rajasekaran/ Chemical	100	75	85.33	85.33	85.33	85.00	81.67
17CHP07	Chemical Reaction Engineering Laboratory	Dr.A.Murugesan/ Chemical	100	75	85.7	85.3	90.3	89.0	97.7

IV YEAR/ VII SEM (BATCH: 2020-24)

SUBJECT CODE	SUBJECT NAME	NAME OF THE FACULTY	PASS %	TARGET CO ATTAINMENT FIXED (in percentage)	ACHIEVED COURSE OUTCOME(CO) ATTAINMENT (in percentage)				
					CO1	CO2	CO3	CO4	CO5
17CHC18	Process Engineering Economics and management	Mr. K. Rajasekaran / Chemical	98	75	67	67	100	100	100
17CHC19	Transport Phenomena	Ms. S. Keerthika / Chemical	96	75	100	67	100	67	100
17CHC20	Process Modeling and Simulation	Ms. M. Geetha / Chemical	98	75	73	68	72	72	72
17CHX16	Pulp and Paper Technology	Dr. A. Murugesan / Chemical	100	75	67	67	100	100	100
17AGZ03	Farm Mechanization	Ms. A. Priyanka / Agricultural	99	75	67	67	67	67	67
17CHP10	Process Dynamic and Control Laboratory	Mr. M C Jawahar / Chemical	100	80	100	100	100	100	100
17CHD01	Project work I	Dr. N. Subramanian / Chemical	100	75	100	100	100	100	100

Dr.N.Balasubramanian has suggested to improve the attainment percentage for the course having very low attainment.

Mr.P.Arivazzhagan has suggested to increase the attainment target above 80 % for laboratory courses.

Resolution Resolved to record

Item 2.04 CAT examination result and attainment analysis, identification of slow learners and corrective actions.

Discussion Dr.A.Murugesan, Chairman presented the result analysis of CAT exams even semester 2023-24. Unit wise Course Outcome attainment requires improvement.

I YEAR/ II SEM (BATCH: 2023-27)

SUB CODE	SUBJECT NAME	STAFF NAME	STUDENTS APPEARED	NO.OF PASS	PASS %	ATTAINMENT of CO1	ATTAINMENT of CO2	ATTAINMENT of CO3
22EYA01	Professional Communication-I	Dr.M.Mythili, Prof./English	30	27	90	2	2	2
22MYB01	Calculus and linear algebra	Mrs.J.Amutha Praba, AP/Maths	30	18	60	2	1	2

22CYB03	Chemistry	Dr.M.Vijayalakshmi Prof./Chemistry	30	20	66.67	1	1	1
22EEC01	Basic Electrical and Electronics Engineering	Ms.M.Manjula, AP/EEE	30	25	83.33	2	2	2
22MEC01	Engineering Graphics	Dr.B.Arjunraj, AP./Mech	30	16	53.33	2	1	2
22GYA01	Heritage of Tamil	Mr.S.Pandiarajan, AP./Chemical	30	29	96.67			

II YEAR/ IV SEM (BATCH: 2022-27)

SUB CODE	SUBJECT NAME	STAFF NAME	STUDE NTS APPEA RED	NO.OF PASS	PASS %	ATTAI NMENT of CO1	ATTAI NMENT of CO2	ATTAIN MENT of CO3
22CHC06	Chemical Reaction Engineering	Dr.A.Murugesan / Chemical	39	29	74.35	3	3	1
22CHC07	Process Heat Transfer	Mr.B.Vinoth Kumar / Chemical	39	13	33.33	1	1	1
22CHC08	Chemical Engineering Thermodynamics	Mr.M.C.Jawahar / Chemical	39	35	89.74	2	2	1
22CHC09	Mass Transfer I	Mr.S.Pandiarajan / Chemical	4	3	75	2	2	2
22CHC10	Instrumental Methods of Analysis	Ms.S.Keerthika / Chemical	39	24	61.53	2	1.25	1.67
22CHC11	Chemical Process Industries	Ms.M.Geetha / Chemical	39	28	71.79	1.17	1	1

III YEAR/ VI SEM (BATCH: 2021-25)

SUB CODE	SUBJECT NAME	STAFF NAME	CAT 1 OVERALL PASS %	CAT 2 OVERALL PASS %
17CHC14	Mass Transfer II	Mr.K. Rajasekaran, AP/Chemical	37	61
17CHC15	Chemical Equipment Design II	Ms. M. Geetha, AP/Chemical	14	80
17CHC16	Process Instrumentation Dynamics and Control	Mr. T. Sathish, AP/Chemical	26	76

17CHC17	Chemical Process Plant Safety and Hazard Analysis	Ms. S. Keerthika, AP/Chemical	75	83
17CHX09	Chemical Process Utilities	Mr. T. Sathish, AP/Chemical	63	80
17CHX11	Air Pollution and Control	Mr.M. C. Jawahar, AP/Chemical	83	81
17GED08	Essence of Indian Traditional Knowledge	Mr.M. C. Jawahar, AP/Chemical	87	91

SLOW LEARNERS AND CORRECTIVE ACTIONS:

- Discussed on the Barriers he/she faced while studying
- Coaching classes have been conducted to the students with backlogs
- Periodic tests, assignments given by faculties and Peer's learning methods
- Students' academic activities monitored by subject experts and academic coordinator.

ADVANCED LEARNERS AND ACTIVITIES FOR ADVANCED LEARNERS:

- Guidance provided to do online courses through various platforms like NPTEL, Infosys Springboard, Future Skills, and LinkedIn.
- Encouraged to do journal, patent publications, and Industry internships.
- Motivated for innovation and product development and concentrate more on placement.
- Guide them to participate in various events like project innovations and Hackathon.

Resolution	Resolved to approve by the PAC members
Item 2.05	Class Committee Meeting (CCM) reports and action taken
Discussion	Chairman presented the Class Committee Meeting (CCM) reports and action taken Feedback <ul style="list-style-type: none"> • Students Requested Design Courses like Aspen Hysys and Aspen Plus Action Taken <ul style="list-style-type: none"> • Auto CADD training conducted in January 24 • It is planned to conduct Aspen in upcoming semester. Members suggested to conduct workshop/seminar on Aspen software and other industry oriented software.
Resolution	Resolved to approve and recorded.
Item 2.06	Placement status of IV year (2024 Batch) students and training plan for 2021-2025 batch students
Discussion	Chairman presented the placement status and training Plan Batch 2020-2024 <ul style="list-style-type: none"> • No of Student Placed: 33

	<ul style="list-style-type: none"> No of Company Visited : 10 Highest Salary : 4 LPA <p>Batch 2021-2025</p> <ul style="list-style-type: none"> AutoCAD (5 days hands on training) – Completed Aptitude, Verbal & Logical Reasoning Training – August 2024 Core Training- Sep/ Oct 2024 <p>Members suggested to increase the placement count and suggested to guide them to eligible in GATE and other competitive examinations.</p>
Resolution	Resolved to record
Item 2.07	R22 regulation, curriculum, syllabus modification and amendments.
Discussion	<p>Chairman presented the R22 regulation syllabus for 3rd and 4th year subjects along with verticals and minor degree courses.</p> <p>Dr.N.Balasubramanian has suggested to include Fluid Mechanics and Chemical Reaction Engineering course in minor degree instead of Fluid moving machinery and Engineering Economics and Management Courses.</p>
Resolution	Resolved to record and approved
Item 2.08	Any other matter
	<ul style="list-style-type: none"> Faculties are asked to contribute on strengthening the Industry- Institute relationship. Faculties are asked to register and complete the NPTEL courses to update their academic skills.

Date: 31.05.2024

J. Manoj
 CHAIRMAN - DAB / Chemical



NANDHA ENGINEERING COLLEGE
(Autonomous Institution)

Pitchandampalayam, Erode To Perundurai Road, Erode-638 052
Department Advisory Board

Academic Year: 2023-2024

Board	Chemical Engineering	Meeting No.	2	R2022
Venue	Online Mode (Google Meet)	Date	31.05.2024, 03.30 P.M	

Attendance

Internal Members			
S.No	Name	Representation	Signature
1	Dr. N. Subramanian	Expert Faculty Member	Absent
2	Dr.A.Murugesan	Chairman	<i>[Signature]</i> 31/5/24
3	Dr.S.Jeeva	Expert Faculty Member	<i>[Signature]</i> 31/5/24
4	Mr.K.Rajasekaran	Expert Faculty Member	<i>[Signature]</i> 31/5/24
5	Ms.N.Sumathi	Expert Faculty Member	N. Sumathi
6	Mr.S. Pandiarajan	Expert Faculty Member	S. Pandiarajan
7	Ms.T.Poornima	Expert Faculty Member	T. <i>[Signature]</i>
8	Mr.M.C.Jawahar	Expert Faculty Member	Absent
9	Mr.B.Vinoth Kumar	Expert Faculty Member	<i>[Signature]</i> 31/5/24
10	Ms.M.Geetha	Expert Faculty Member	<i>[Signature]</i> 31/5/24
11	Ms.S.Keerthika	Expert Faculty Member	<i>[Signature]</i> 31/5/24
12	Mr.T.Sathish	Expert Faculty Member	<i>[Signature]</i> 31/5/24
13	Mr.K.Balashanmugam	Student Member	<i>[Signature]</i> K Balashanmugam