

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

NEC/Cir/DAB-1/2023-24

DATE: 22.12.2023

CIRCULAR

Originator: Chairman (HoD - Chemical Engineering.)

Circulated to: All faculty members

Sub: Department Advisory Board Meeting (DAB)

The 1st Department Advisory Board Meeting of academic year has been scheduled on 27.12.2023 (Wednesday). 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: 27.12.2023. 02.00 PM (Wednesday)

Mode: Online Mode

K. Dinesh
22/12/23
Autonomous Coordinator

S. Kumar
22/12/2023
BoS Chairman

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 BOARD (DAB) MEETING

The 1st DAB meeting of the Academic year 2023-2024 was held on 27.12.2023 by 02.00 p.m by Online mode.

The Chairman of the DAB, Dr.N.Subramanian, welcomed the members for the meeting. Then, the items listed below were taken for discussion.

AGENDA of 1st DAB MEETING OF THE ACADEMIC YEAR 2023-2024	
Item 1.01	Review of Previous PAC Meeting Minutes
Item 1.02	Result Analysis and Attainment of the even semester 2022-23, overall attainment of the 2023 pass out batch & fix target for the I year (2023 – 2027 Batch)
Item 1.03	Result and attainment analysis of 2 nd , 3 rd and 4 th year, identification of slow learners and corrective actions, advanced learners and activities for the advanced learners.
Item 1.04	Class Committee meeting (CCM) reports and action taken.
Item 1.05	Department academic plan and activities.
Item 1.06	First year student admission.
Item 1.07	Online courses for students (NPTEL, Infosys springboard, etc.,)
Item 1.08	IRS course details , placement status of IV years and training plan for III years.
Item 1.09	Any others matter (If any)

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

Item 1.01	Review of Previous PAC Meeting Minutes												
Discussion	Dr.N.Subramanian, Chairman – PAC, presented the previous PAC meeting minutes												
Item 1.02	Result Analysis and Attainment of the even semester 2022-23, overall attainment of the 2023 pass out batch & fix target for the I year (2023 – 2027 Batch)												
Discussion	Dr.N.Subramanian, Chairman presented the result analysis of even semester 2022-23. Fair performance by students noticed in 2022-23 even semester result analysis. Unit wise Course Outcome attainment requires improvement. I YEAR/ II SEM (BATCH: 2022-26)												
		Subject Code & Name	Name of the Faculty	No. of stud. Appeared	No. of Stud. Passed	No. of stud. Fail	Pass %	Target CO	Achieved Course Outcome (CO)				
									CO1	CO2	CO3	CO4	CO5
22EYA02 Professional Communication - II		Ms.P.Deepika	36	27	9	75	70	40	47	47	33	50	
22MYB02 Partial Differential Equations And Transforms Techniques		Mrs.J.Amutha Praba	36	33	3	92	70	79	68	53	70	67	
22PYB02 Advanced Material and Nano Technology		Dr.K.S.Mohan	36	36	0	100	70	81.39	60.69	64.44	73.06	59.86	
22CYB06 Environmental Science & Sustainability		Dr.M.Vijayalakshmi	36	34	2	94	70	40	46.6	43.3	50	50	
22CSC01 Problem Solving and C Programming		Mr.S.Ramesh	36	33	3	92	70	63	53	46	47	30	
22CHC01 Fundamentals of Chemical Engineering		Ms.M.Geetha	36	29	7	81	70	60	30	70	53	30	
22PYP01 Physics laboratory		Dr.J.Mobika	37	37	0	100	70	100	100	100	100	100	
22CSP01 Problem Solving and C Programming Laboratory		Mr.S.Ramesh	36	35	1	97	70	67.52	67.52	67.52	67.52	67.52	

22GYA02 Tamils and Technology	Ms.S.Keerthika	36	36	0	100	NIL
22MAN04 Soft/Analytical Skills-II	Ms.P.Deepika	36	36	0	100	NIL
22MAN05 Yoga - II	Mr.I.Shoban	37	37	0	100	NIL

CURRENT SEM PASS PERCENTAGE	21/37	56.75%
OVER ALL PASS PERCENTAGE	20/37	54.05%

II YEAR/ IV SEM (BATCH: 2021-25)

Subject Code & Name	Name of the Faculty	No. of stud. Appeared	No. of Stud. Passed	No. of stud. Fail	Pass %	Target CO	Achieved Course Outcome (CO)				
							CO 1	CO 2	CO 3	CO 4	CO 5
17MYB07 Numerical Methods	Mrs. R. Amutha / Maths	41	32	9	78	70	48.33	48.67	48.33	71.00	72.00
17CHC06 Process Organic Synthesis	Dr.M.Vijaya lakshmi/ Chemistry	43	40	3	93	70	65.67	52.67	53.00	62.00	57.67
17CHC07 Process Heat Transfer	Dr.N.Subramanian / Chemical	42	38	4	90	70	70.67	82.67	66.67	82.67	84.67
17CHC08 Mechanical Operations	Ms.S.Keerthika/ Chemical	43	29	14	67	75	54.00	68.00	52.00	56.00	54.00
17CHC09 Chemical Engg Thermodynamics	Dr.A.Murugesan/ Chemical	43	41	2	95	70	83.00	78.33	82.33	78.67	75.00
17CHX01 Oil & Natural Gas Engg	Mr.S.Pandiarajan/ Chemical	41	35	6	85	70	70.11	70.87	70.59	76.63	76.63
17CHP04 Physical and organic chemistry lab	Dr.A.Murugesan/ Chemical	42	42	0	100	70	84.67	90.33	85.67	86.33	90.00
17CHP05 Mechanical Operations Lab	Ms.S.Keerthika/ Chemical	42	42	0	100	75	96.36	97.12	96.97	96.36	97.42
17GED02 Soft Skills - Reading and Writing	Ms.Punithasree/ English	44	44	0	100		NIL				
17GED03 Personality and Character Development	Ms.S.Keerthika/ Chemical	44	44	0	100		NIL				

CURRENT SEM PASS PERCENTAGE	29/44	65.91%
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OVER ALL PASS PERCENTAGE	23/44	52.27%
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III YEAR/ VI SEM (BATCH: 2020-24)

Subject Code & Name	Name of the Faculty	No. of Appeared	No. of Passed	No. of Absent	Pass %	Target CO	Achieved Course Outcome (CO)				
							CO 1	CO 2	CO 3	C O4	CO 5
17CHC14 Mass Transfer- II	Mr. K. Rajasekaran, AP/Chemical	52	48	4	92	75	80	80	81	81	78
17CHC15 Chemical Equipment Design -II	Ms. M.Geetha, AP / Chemical	51	49	3	96	75	73	68	72	73	72
17CHC16 Process Instrumentation Dynamics and Control	Mr. M C Jawahar, AP / Chemical	52	45	7	87	75	73	69	74	69	74
17CHC17 Chemical Process Plant Safety and Hazard Analysis	Ms. S. Keerthika, AP / Chemical	49	49	3	100	75	92	95	78	73	76
17CHX11 Air Pollution and Control	Mr. K. Rajasekaran, AP / Chemical	1	1	2	100	75	95	92	69	70	67
17CYZ02 E - Waste Management	Dr. N. Senniagiri / Mechanical	2	1	2	50	70	67	67	67	67	33
17EYZ04 Employability Enhancement and Analytical Skills	Mr. B.Vinothkumar, AP/ Chemical	52	52	0	100	52					
17EYX01 Effective Communication	Mr. B.Vinothkumar, AP/ Chemical	52	52	0	100	52					
17CSX31 Problem Solving and Programming	Mr. B.Vinothkumar, AP/ Chemical	23	23	0	100	23					
17CHP08 Process computation Laboratory	Ms. M.Geetha, AP / Chemical	52	52	0	100	52	100	100	100	100	100
17CHP09 Industrial Training	Mr. S.Pandiarajan, AP / Chemical	50	50	2	100	50					
17GED06 Comprehension	Mr. S.Pandiarajan, AP / Chemical	51	51	1	100	51					
17GED08 Essence of India Traditional Knowledge	Mr. S.Pandiarajan, AP / Chemical	52	50	2	96	52					

CURRENT SEM PASS PERCENTAGE	45/52	86.53%
OVER ALL PASS PERCENTAGE	45/52	86.53%

Overall attainment of the 2023 pass out batch & fix target for I year (2023-2027) batch was also discussed.

BATCH: 2019-2023 - OVERALL ATTAINMENT

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
Attainment	2.3	2.1	2.1	2.1	2.0	1.8	2.0	1.9	1.9	2.2	2.0	2.0	2.0	2.0	2.0	2.0
% of Attainment	75.2	71.3	70.1	68.5	65.5	60.4	66.2	61.8	62.5	71.9	67.0	67.6	67.0	66.0	66.9	66.2

- 2019-2023 Batch academic coordinator presented the PO attainment.

PO attainment target: 65%. Target achieved: PO1, PO2, PO3, PO4, PO5, PO7, PO10, PO11, PO12, PSO1, PSO2, PSO3, PSO4. Also reviewed the non-attained POs and PSOs and means for improving the same.

- Target Attainment is fixed as 67% for Batch: 2023-27 (I Year).

Dr.N.Balasubramanian has suggested to concentrate the COs whose attainment percentage were below 50% and also suggest to improve COs whose attainment percentage not attained.

Resolution Resolved to record the same

Item 1.03 Result and attainment analysis of 2nd, 3rd and 4th year, identification of slow learners and corrective actions, advanced learners and activities for the advanced learners.

Discussion Dr.N.Subramanian, Chairman presented the CAT-1 result analysis of odd semester 2023-24, the slow learners and advanced learners are identified for each subjects based on their academic performance.

SLOW LEARNERS AND CORRECTIVE ACTIONS:

Initiatives taken:

- Discussed on the barriers they faced while studying
- Advised to clear the backlogs

ADVANCED LEARNERS AND ACTIVITIES FOR ADVANCED LEARNERS:

Initiatives taken:

- Guidance provided to do online courses through various platforms like NPTEL, Future Skills, etc.,
- Encouraged to do industrial training and Industry internships to improve their skills.
- Motivated for innovative projects and product development and concentrate more on placement.

Dr.N.Balasubramanian has approved and appreciated the efforts taken towards guiding the students.

Resolution Resolved and approved by the DAB members.

Item 1.04	Class Committee meeting (CCM) reports and action taken.					
Discussion	Dr.N.Subramanian, Chairman – PAC discussed the ATR of Class Committee Meeting reports.					
	NATURE OF FEEDBACK	CLASS	ACTION TAKEN			
	Students are requested to provide sink facility in the CRE laboratory.	III year	The new facility form for sink is given to the Management.			
	Requested Smart TV in the class room	III Year	Forwarded to the concerned department.			
	Poor Wifi Connection	III Year	Forward to the concerned department to ratify it.			
	Requested More Event per semester	I Year	Its Planned in the forthcoming semester			
	Students requested more industrial visits	II Year	One Industrial Visits per semester has been arranged.			
	Dr.N.Balasubramanian has suggested to arranging more industrial visits and providing industry related software training to improve the student's skills.					
Resolution	Resolved to approve and recorded.					
Item 1.05	Department academic plan and activities.					
Discussion	Dr.N.Subramanian – Chairman, enumerated the department activities planned for (2023-24) odd semester.					
	S.No	Activity	Month			
	1	Workshop on AutoCAD	2 nd week of July 23			
	2	Hands on Training on ASPEN	4 th week of July 23			
3	Industrial Seminar	3 rd week of Sep' 23				
Dr.N.Balasubramanian has suggested to conduct more skill development programme per semester.						
Resolution	Resolved to approve the list of activities.					
Item 1.06	First year student admission.					
Discussion	Dr.N.Subramanian – Chairman, presented the admission details of I year [2023-27] Batch students.					
	Department Intake: 30 Total No. of Students admitted: 30					
	<table border="1"> <thead> <tr> <th>Government Quota</th> <th>Management Quota</th> </tr> </thead> <tbody> <tr> <td>22</td> <td>08</td> </tr> </tbody> </table>		Government Quota	Management Quota	22	08
Government Quota	Management Quota					
22	08					
Cut off Range of students: Max. Cut off: 168.5 Min. Cut off: 92						
Dr.N.Balasubramanian has appreciated the efforts taken towards the student's admission.						
Resolution	Resolved to record the admission status.					

Item 1.07	Online courses for students (NPTEL, Infosys springboard, etc.)															
Discussion	<p>Dr.N.Subramanian, Chairman presented the details of the various courses completed by the students through online mode.</p> <p>Totally 38 students have completed NPTEL courses in July to October 2023 session.</p> <p>Dr.N.Balasubramanian has appreciated the efforts taken by the students.</p>															
Resolution	Resolved to record same															
Item 1.08	IRS course details, placement status of IV years and training plan for III years.															
Discussion	<p>◆ Department IRS coordinator presented the performance of III year students in the IRS subjects and schedule list of I & II year IRS subjects.</p> <p>III YEAR - IRS SUBJECT PERFORMANCE: Subject CODE & NAME: 17EYZ04 - Employability Enhancement and Analytical Skills (Aptitude & Reasoning).</p> <p>➤ In Assessment 1,</p> <ul style="list-style-type: none"> • 4 students had scored in the range of 51-75 marks. • 35 students had scored in the range of 26-50 marks. • 3 student has scored in the range of 0-25 marks. <p>➤ In Assessment 2,</p> <ul style="list-style-type: none"> • 7 students had scored in the range of 51-75 marks. • 33 students had scored in the range of 26-50 marks. • 2 students have scored in the range of 0-25 marks. <p>I and II YEAR - IRS SUBJECT : I Year - 22MAN02 Soft/Analytical Skills-I II Year – 22MAN07 Soft/Analytical Skills-III For both the years, the course is currently going on and planned to complete the courses before the end of December 2023.</p> <p>◆ Placement coordinator presented the placement status of IV years.</p> <p>IV YEAR PLACEMENT STATUS: List of placed students with their salary package as follows,</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>S. No.</th> <th>Name of the Student</th> <th>Company Name</th> <th>Core / IT</th> <th>Salary Package</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R.Subasini</td> <td>Domex-E Data Pvt. Ltd</td> <td>Core</td> <td>2.29 LPA</td> </tr> <tr> <td>2</td> <td>A.S.Dhanush</td> <td>Digital EPCS</td> <td>Core</td> <td>4.8 LPA</td> </tr> </tbody> </table> <p>Dr.N.Balasubramanian has appreciated the efforts taken by the faculty towards IRS subjects and suggested to increase placement count before the course completion of the students.</p>	S. No.	Name of the Student	Company Name	Core / IT	Salary Package	1	R.Subasini	Domex-E Data Pvt. Ltd	Core	2.29 LPA	2	A.S.Dhanush	Digital EPCS	Core	4.8 LPA
S. No.	Name of the Student	Company Name	Core / IT	Salary Package												
1	R.Subasini	Domex-E Data Pvt. Ltd	Core	2.29 LPA												
2	A.S.Dhanush	Digital EPCS	Core	4.8 LPA												
Resolution	Resolved to approve and record the performance.															
Item 1.09	Any others matter (If any)															
Discussion	<ul style="list-style-type: none"> • Faculties were asked to engross in R&D activities. 															

	<ul style="list-style-type: none">• Points discussed on student's requirements, academic improvement and disciplinary issues.• Ideas on up bringing notable projects were also discussed.
	Ms.R.Subasini, Student Member, proposed the vote of thanks.

Date: 27.12.2023
Place: NEC


CHAIRMAN
DAB/CHEMICAL





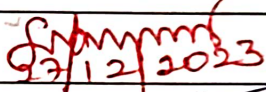
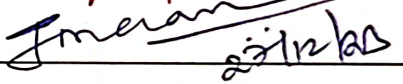
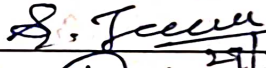
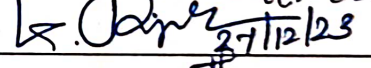
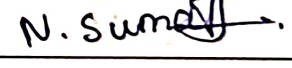
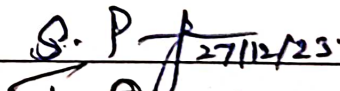


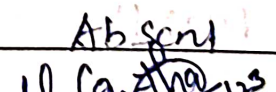

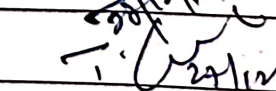
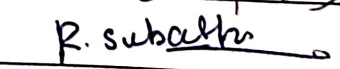
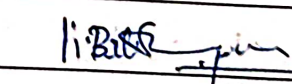
NANDHA ENGINEERING COLLEGE
(Autonomous Institution)

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

Academic Year: 2023-2024

Board	Chemical Engineering	Meeting No.	1	R 2022
Venue	Online Mode (Google Meet)	Date	27.12.2023, 02.00 P.M	

Attendance

Internal Members			
S.No	Name	Representation	Signature
1	Dr. N. Subramanian	Chairman	 27/12/2023
2	Dr.A.Murugesan ✓	Expert Faculty Member	 27/12/23
3	Dr.S.Jeeva	Expert Faculty Member	 27/12/23
4	Mr.K.Rajasekaran	Expert Faculty Member	 27/12/23
5	Ms.N.Sumathi	Expert Faculty Member	 N. sumathi
6	Mr.S. Pandiarajan ✓	Expert Faculty Member	 27/12/23
7	Ms.T.Poornima	Expert Faculty Member	 T. Poornima
8	Mr.M.C.Jawahar ✓	Expert Faculty Member	 27/12/23
9	Mr.B.Vinoth Kumar	Expert Faculty Member	Ab sent
10	Ms.M.Geetha ✓	Expert Faculty Member	 27/12/23
11	Ms.S.Keerthika ✓	Expert Faculty Member	 27/12/23
12	Mr.T.Sathish ✓	Expert Faculty Member	 27/12/23
13	Ms.R.Subasini ✓	Student Member	 R. subasini
14	Mr.K.Balashanmugam	Student Member	 K. Balashanmugam