



NANDHA ENGINEERING COLLEGE (Autonomous),  
ERODE - 638052  
DEPARTMENT OF CHEMICAL ENGINEERING

NEC/Cir/PAC -2/2023

Date: 04.10.2023

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

**Sub: Programme Assessment Committee Meeting**

The 2<sup>nd</sup> Programme Assessment Committee Meeting has been scheduled on 05.10.2023 (Thursday). In this connection, the agenda and list of members of the PAC are enclosed herewith as annexure. Hence all members are requested to attend the meeting.

Date & Time of Meeting : 05.10.2023. 03.00 PM (Thursday)

Venue : HOD Cabin

*L. D. D. 04/10/23*  
Autonomous Coordinator

*S. S. S. 04/10/23*  
BoS Chairman

Enclosed: Members of PAC



**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 PROGRAMME ASSESSMENT COMMITTEE (PAC) MEETING**

<b>Meeting No.: 02</b>	<b>Date:05.10.2023</b>	<b>Time: 3.00 pm</b>	<b>Venue: Block – 9, Chemical – HOD Room</b>	<b>Year: 2023 - 2024</b>
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The 2<sup>nd</sup> PAC meeting was held on 05.10.2023 by 3.00 pm at Block 9, Chemical – HOD Room. Then, the items listed below were taken for discussion. List of members attended the meeting is enclosed in Annexure – 1.

### **AGENDA**

<b>Item 2.01</b>	Welcome and introduction of members
<b>Item 2.02</b>	Review of the previous PAC meeting minutes
<b>Item 2.03</b>	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)
<b>Item 2.04</b>	CAT-I Result and attainment analysis of 3rd and 4th year, identification of slow learners and corrective actions, advanced learners and activities for the advanced learners
<b>Item 2.05</b>	Class Committee Meeting (CCM) reports and action taken
<b>Item 2.06</b>	Proctor meeting minutes and action taken reports
<b>Item 2.07</b>	Department academic plan and activities for (2023-2024) Odd Sem
<b>Item 2.08</b>	First year Student admission – Batch (2023-2027)
<b>Item 2.09</b>	Placement status of IV years, training schedule and performance of the student in IRS subjects of III years, I and II year IRS subject list and schedule
<b>Item 2.10</b>	Review of the activities involved in the department appraisal
<b>Item 2.11</b>	Any other matter

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

Item 2.01	Welcome and introduction of members											
Discussion	Dr.N.Subramanian, Chairman – PAC introduced and welcomed the members followed by a brief note on functioning of PAC.											
Item 2.02	Review of the previous PAC meeting minutes											
Discussion	Dr.N.Subramanian, Chairman – PAC presented the previous PAC meeting minutes and ATR.											
Resolution	Resolved to approve the PAC meeting minutes											
Item 2.03	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. <b>II YEAR/ IV SEM (BATCH: 2021-25)</b>											
	<b>Subject Code &amp; Name</b>	<b>Name of the Faculty</b>	<b>No. of stud. Appeared</b>	<b>No. of Stud. Passed</b>	<b>No. of stud. Fail</b>	<b>Pass %</b>	<b>Target CO</b>	<b>Achieved Course Outcome (CO)</b>				
								<b>CO 1</b>	<b>CO 2</b>	<b>CO 3</b>	<b>CO 4</b>	<b>CO 5</b>
	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.Subra manian / Chemical	42	38	4	90	70	70.67	82.67	66.67	82.67	84.67
	17CHC08 Mechanical Operations	Ms.S.Keerth ika/ Chemical	43	29	14	67	75	54.00	68.00	52.00	56.00	54.00
	17CHC09 Chemical Engg Thermodynamics	Dr.A.Murug esan/ Chemical	43	41	2	95	70	83.00	78.33	82.33	78.67	75.00
	17CHX01 Oil & Natural Gas Engg	Mr.S.Pandia rajan/ Chemical	41	35	6	85	70	70.11	70.87	70.59	76.63	76.63
	17CHP04 Physical and organic chemistry lab	Dr.A.Murug esan/ Chemical	42	42	0	100	70	84.67	90.33	85.67	86.33	90.00
	17CHP05 Mechanical Operations Lab	Ms.S.Keerth ika/ Chemical	42	42	0	100	75	96.36	97.12	96.97	96.36	97.42
	17GED02 Soft Skills - Reading and Writing	Ms.Punithas ree/ English	44	44	0	100		NIL				
	17GED03 Personality and Character Development	Ms.S.Keerth ika/ Chemical	44	44	0	100		NIL				

<b>CURRENT SEM PASS PERCENTAGE</b>	<b>29/44</b>	<b>65.91%</b>
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<b>OVER ALL PASS PERCENTAGE</b>	<b>23/44</b>	<b>52.27%</b>
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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	CO 4	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					

<b>CURRENT SEM PASS PERCENTAGE</b>	<b>45/52</b>	<b>86.53%</b>
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<b>OVER ALL PASS PERCENTAGE</b>	<b>45/52</b>	<b>86.53%</b>
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Overall attainment of the 2023 pass out batch & fix target for 1 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 (1 Year)

Resolution

Resolved to record the same

Item 2.04

CAT-I Result and attainment analysis of 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-I result analysis of odd semester 2023-24

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

Course Code	Course Title	Staff Name	Pass %	Attainment		
				CO 1	CO2	CO3
17CHC10	Mass Transfer I	Mr.S. Pandiarajan, AP/Chemical	68	51.8	37.4	40.72
17CHC11	Chemical Process Industries	Mr.M. C. Jawahar, AP/Chemical	72	67	67	33
17CHC12	Chemical Reaction Engineering	Dr. A. Murugesan, Prof /Chemical	70	66	64	71

	17CHC13	Chemical Equipment Design I	Dr.N. Subramanian, ASP/Chemical	49	42	42	44
	<p>Faculties were asked to take remedial measures to improve attainment rate.</p> <p><b>SLOW LEARNERS AND CORRECTIVE ACTIONS:</b>            Initiatives taken:</p> <ul style="list-style-type: none"> <li>• Discussed on the barriers they faced while studying</li> <li>• Advised to clear the backlogs</li> </ul> <p><b>ADVANCED LEARNERS AND ACTIVITIES FOR ADVANCED LEARNERS:</b>            Initiatives taken:</p> <ul style="list-style-type: none"> <li>• Guidance provided to do online courses through various platforms like NPTEL, Future Skills, etc.,</li> <li>• Encouraged to do industrial training and Industry internships to improve their skills</li> <li>• Motivated for innovative projects and product development and concentrate more on placement.</li> </ul>						
Resolution	Resolved and approved by the PAC members.						
Item 2.05	Class Committee Meeting (CCM) reports and action taken.						
Discussion	Dr.N.Subramanian, Chairman – PAC discussed the ATR of Class Committee Meeting reports.						
	<b>NATURE OF FEEDBACK</b>		<b>CLASS</b>	<b>ACTION TAKEN</b>			
	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.			
Resolution	Resolved to approve and recorded.						
Item 2.06	Proctor meeting minutes and action taken reports.						
Discussion	Dr.N.Subramanian – Chairman, presented the ATR of proctor meeting minutes conducted for I, II, III & IV year students. <ul style="list-style-type: none"> <li>• <b>ACADEMIC ACTIVITIES:</b> <ul style="list-style-type: none"> <li>✓ I year students were narrated with the teaching – learning methods and assessment procedures for preparing themselves.</li> <li>✓ End Sem result, CAT result &amp; attendance percentage were discussed with II, III</li> </ul> </li> </ul>						

	<p>&amp; IV year students. Students were motivated for better performance and guidelines provided for enhancement.</p> <ul style="list-style-type: none"> <li>• <b>CO – CURRICULAR ACTIVITIES:</b> <ul style="list-style-type: none"> <li>✓ Importance of co-curricular activities were put forth to the I year students and encouraged active participation.</li> <li>✓ II &amp; III year students were appreciated for active participation in project expo event and hackathons.</li> <li>✓ IV year students were encouraged to participate in conferences and publish journals.</li> </ul> </li> <li>• <b>EXTRA – CURRICULAR ACTIVITIES:</b> <ul style="list-style-type: none"> <li>✓ Extra-curricular activities enlisted to I year students for their prudential involvement in upcoming years.</li> <li>✓ II &amp; III year students were appreciated for their effective participation. Pointed out the importance of co-curricular activities to strengthen resume and gain exposure.</li> <li>✓ Discussed on technical events being conducted in various other colleges.</li> <li>✓ Encouraged students to utilize the PBL projects for presentations. Discussed on various projects to be completed for upcoming Innovation Day.</li> </ul> </li> <li>• <b>COUNSELLING:</b> <ul style="list-style-type: none"> <li>✓ General points like adhering to class timings, timely arrival to college, following of proper dress code, assignments and online test submission works, etc. were discussed with students.</li> </ul> </li> </ul>												
Resolution	Resolved to record the same												
Item 2.07	Department academic plan and activities for (2023-2024) Odd Sem.												
Discussion	<p>Dr.N.Subramanian – Chairman, enumerated the department activities planned for (2023-24) odd sem.</p> <table border="1"> <thead> <tr> <th>S.No</th> <th>Activity</th> <th>Month</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Workshop on AutoCAD</td> <td>2<sup>nd</sup> week of July 23</td> </tr> <tr> <td>2</td> <td>Hands on Training on ASPEN</td> <td>4<sup>th</sup> week of July 23</td> </tr> <tr> <td>3</td> <td>Industrial Seminar</td> <td>3<sup>rd</sup> week of Sep' 23</td> </tr> </tbody> </table>	S.No	Activity	Month	1	Workshop on AutoCAD	2 <sup>nd</sup> week of July 23	2	Hands on Training on ASPEN	4 <sup>th</sup> week of July 23	3	Industrial Seminar	3 <sup>rd</sup> week of Sep' 23
S.No	Activity	Month											
1	Workshop on AutoCAD	2 <sup>nd</sup> week of July 23											
2	Hands on Training on ASPEN	4 <sup>th</sup> week of July 23											
3	Industrial Seminar	3 <sup>rd</sup> week of Sep' 23											
Resolution	Resolved to approve the list of activities.												
Item 2.08	First year Student admission – Batch [2023-2027].												
Discussion	<p>Dr.N.Subramanian – Chairman, presented the admission details of I year [2023-27] Batch students.</p> <p>Department Intake: 30 Total No. of Students admitted: 30</p> <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> <p>Cut off Range of students: Max. Cut off: 168.5 Min. Cut off: 92</p>	Government Quota	Management Quota	22	08								
Government Quota	Management Quota												
22	08												
Resolution	Resolved to record the admission status.												

Item 2.09	Placement status of IV years, training schedule and performance of the student in IRS subjects of III years, I and II year IRS subject list and schedule.															
Discussion	<p>◆ Placement coordinator presented the placement status of IV years.</p> <p><b>IV YEAR PLACEMENT STATUS:</b> List of placed students with their salary package as follows,</p> <table border="1" data-bbox="245 282 1441 450"> <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>◆ IRS coordinator presented the performance of III year students in the IRS subjects and schedule list of I &amp; II year IRS subjects.</p> <p><b>III YEAR - IRS SUBJECT PERFORMANCE:</b> Subject CODE &amp; NAME: 17EYZ04 - Employability Enhancement and Analytical Skills (Aptitude &amp; Reasoning).</p> <p>➤ In Assessment 1,</p> <ul style="list-style-type: none"> <li>• 4 students had scored in the range of 51-75 marks.</li> <li>• 35 students had scored in the range of 26-50 marks.</li> <li>• 3 student has scored in the range of 0-25 marks.</li> </ul> <p>➤ In Assessment 2,</p> <ul style="list-style-type: none"> <li>• 7 students had scored in the range of 51-75 marks.</li> <li>• 33 students had scored in the range of 26-50 marks.</li> <li>• 2 student has scored in the range of 0-25 marks.</li> </ul> <p><b>I and II YEAR - IRS SUBJECT :</b> 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>	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 2.10	Review of the activities involved in the department appraisal															
Discussion	<p>Dr.N.Subramanian, Chairman discussed on the activities involved in the department appraisal as per the criteria as follows:</p> <p><b>NPTEL COURSE COMPLETION:</b></p> <ul style="list-style-type: none"> <li>✓ 6 faculty members have successfully completed NPTEL course and 1 faculty with Elite+Gold.</li> </ul> <p><b>SCOPUS PUBLICATIONS:</b></p> <ul style="list-style-type: none"> <li>✓ 4 faculty members have published Scopus indexed papers.</li> </ul> <p><b>FACULTY DEVELOPMENT PROGRAM:</b></p> <ul style="list-style-type: none"> <li>✓ All faculties have effectively participated in FDPs.</li> </ul> <p>Faculties those who have not accomplished the activities involved for appraisal as per criteria based on their designation are asked to fulfill within the stipulated time period.</p>															
Resolution	Resolved to record in the department PADS.															



Item 2.11	Any other matter
	<ul style="list-style-type: none"><li>• Faculties were asked to engross in R&amp;D activities.</li><li>• Points discussed on student's requirements, academic improvement and disciplinary issues.</li><li>• Ideas on up bringing notable projects were also discussed.</li></ul>

Date: 05.10.2023



  
CHAIRMAN / PAC / Chemical



**NANDHA ENGINEERING COLLEGE**  
(Autonomous Institution)  
Pitchchandampalayam, Erode To Perundurai Road, Erode-638 052  
Programme Assessment Committee

Academic Year: 2023-2024

Board	Chemical Engineering	Meeting No.	2
Venue	HOD Cabin	Date	05.10.2023. 3.00 PM

**MEMBERS ATTENDED**

S.No	Name	Designation	Representation	Signature
1	Dr.N.Subramanian	ASP & HOD	Chairman	<i>[Signature]</i> 05/10/23
2	Dr.A.Murugesan	Professor	Internal members	<i>[Signature]</i> 5/10/24
3	Dr.S.Jeeva	Associate Professor	Internal members	<i>[Signature]</i> 5/10/24
4	Mr.K.Rajasekaran	Assistant Professor	Internal members	<i>[Signature]</i> 5/10/23
5	Ms.N.Sumathi	Assistant Professor	Internal members	<i>[Signature]</i> N. Sumathi
6	Mr.S.Pandiarajan	Assistant Professor	Internal members	<i>[Signature]</i> S. P. Pandiarajan
7	Ms.T.Poornima	Assistant Professor	Internal members	<i>[Signature]</i> T. Poornima
8	Mr.B.Vinothkumar	Assistant Professor	Internal members	Absent
9	Mr.M.C.Jawahar	Assistant Professor	Internal members	<i>[Signature]</i> 5/10/23
10	Ms.M.Geetha	Assistant Professor	Internal members	<i>[Signature]</i> 5/10/23
11	Ms.Keerthika	Assistant Professor	Internal members	<i>[Signature]</i> 5/10/23
12	Ms.J.AmuthaPrabha	Assistant Professor	Internal members	<i>[Signature]</i> Amutha Prabha
13	Ms.R.Subasini	IV Student	Student member	<i>[Signature]</i> R. Subasini
14	Mr.K.Balashanmugam	III Student	Student member	<i>[Signature]</i> K. Balashanmugam