



**NANDHA ENGINEERING COLLEGE**  
**(Autonomous)**  
**Erode- 638 052**  
**Department of Mechanical Engineering**



NEC/MECH/PAC-03/2022-23 (EVEN)

DATE: 02.03.2023

**CIRCULAR**

**Originator:**  
Chairman- PAC

**Circulated to:**  
Members of PAC & All faculty members

**Sub: Programme Assessment Committee (PAC) meeting:**

The PAC meeting is scheduled on **08.03.2023** to discuss the agenda listed below. In this connection, all the PAC members are requested to attend the meeting.

Date & Time of Meeting: **08.03.2023 (12.30PM)**

Venue: **Meeting Hall**

<b>AGENDA</b>	
Dissemination of vision and mission of the department	
VISION	<ul style="list-style-type: none"><li>To be recognised as a centre of excellence in the field of Mechanical Engineering and to produce competent engineers with multi-disciplinary exposure to meet the changing needs of the society.</li></ul>
MISSION	<ul style="list-style-type: none"><li>To enrich technical knowledge and skills by imparting quality education with ethics and social responsibility.</li><li>To empower the students in the thrust areas of Mechanical, Allied Engineering and Entrepreneurship in the continually changing global market.</li><li>To provide a conducive learning environment for improving continually to cater the needs of the society.</li></ul>
Item 3.01	Review of the previous PAC meeting minutes
Item 3.02	<b>2022-23 ODD:</b> Discussion on 1 <sup>st</sup> year CAT - I CO attainment and action taken on slow learners and advanced learners.
Item 3.03	Discussion on Class Committee Meeting (CCM), parents meeting and Mid sem feedback (II, III & IV year) - Reports, analysis and action taken.
Item 3.04	Discussion on Students NPTEL course completion status.
Item 3.05	Discussion on <ul style="list-style-type: none"><li>PBL courses and projects with CiPD support.</li><li>Final year projects (industry &amp; in-house).</li></ul>
Item 3.06	Discussion on student co curricular activities (inside & outside the state)
Item 3.07	Review of placement status of IV years and training plan for III years.
Item 3.08	Discussion on paper publication, Consultancy, research/seminar/workshop/FDP grant proposal and NPTEL course completion.
Item 3.09	Review of Course coordinator meeting minutes of all the courses.
Item 3.10	Discussion on R22 curriculum and draft syllabus of III & IV semester, CO-PO/PSO mapping, analysis and action taken for the feedback received from experts.
Item 3.11	Any other matter

To  
All members of PAC,  
✓ All Faculty members,  
✓ File (O/o Head)

  
**CHAIRMAN - PAC**  
**HEAD OF THE DEPARTMENT**  
**DEPARTMENT OF MECHANICAL ENGINEERING,**  
**NANDHA ENGINEERING COLLEGE**  
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**MINUTES OF THE PROGRAMME ASSESSMENT COMMITTEE MEETING**

<b>Name of the Body</b>	<b>PROGRAMME ASSESSMENT COMMITTEE (PAC)</b>	
<b>Department</b>	Mechanical Engineering	
<b>Meeting No.</b>	03	2022-2023
<b>Date &amp; Time</b>	08-03-2023 & 12.30 PM	

Disseminated the vision and mission of the department	
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**HEAD OF THE DEPARTMENT**  
**DEPARTMENT OF MECHANICAL ENGINEERING,**  
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The proceedings of PAC started and the minutes of the meeting are recorded as follows:

The Chairman of the PAC Dr. M. Easwaramoorthi, HoD - Mech, welcomed the members followed by the introduction of members.

Item 3.01	Review of the previous PAC meeting minutes																																																																		
	The previous PAC meeting minutes were reviewed.																																																																		
Item 3.02	2022-23 ODD: Discussion on 1 <sup>st</sup> year CAT - I CO attainment and action taken on slow learners and advanced learners.																																																																		
Discussion	Dr. MEM presented 1 <sup>st</sup> year, 1 <sup>st</sup> semester (2022-23 ODD) semester CAT-1 result analysis, CO attainment, list of slow and advanced learners, and corrective/improvement measures.																																																																		
	<b>CAT-1 result and attainment analysis I Year (1<sup>st</sup> Semester) 2022 - 2023 (Odd Semester)</b>																																																																		
	<table border="1"><thead><tr><th>Course Code</th><th>Appeared</th><th>Present</th><th>Absent</th><th>Pass</th><th>Fail</th><th>Pass %</th><th>CO1</th><th>CO2</th><th>CO3</th><th>Course Target</th></tr></thead><tbody><tr><td>22EYA01</td><td>52</td><td>50</td><td>2</td><td>48</td><td>2</td><td>96</td><td>32.82</td><td>33.30</td><td>5.19</td><td>70%</td></tr><tr><td>22MYB01</td><td>52</td><td>50</td><td>2</td><td>30</td><td>20</td><td>60</td><td>63.10</td><td>41.00</td><td>16.00</td><td>70%</td></tr><tr><td>22CYB02</td><td>52</td><td>50</td><td>2</td><td>29</td><td>21</td><td>58</td><td>45.91</td><td>44.07</td><td>35.90</td><td>72%</td></tr><tr><td>22EEC02</td><td>52</td><td>51</td><td>1</td><td>30</td><td>21</td><td>59</td><td>51.72</td><td>51.63</td><td>30.56</td><td>70%</td></tr><tr><td>22MEC02</td><td>52</td><td>51</td><td>1</td><td>38</td><td>13</td><td>75</td><td>56.00</td><td>60.10</td><td>43.30</td><td>70%</td></tr></tbody></table>	Course Code	Appeared	Present	Absent	Pass	Fail	Pass %	CO1	CO2	CO3	Course Target	22EYA01	52	50	2	48	2	96	32.82	33.30	5.19	70%	22MYB01	52	50	2	30	20	60	63.10	41.00	16.00	70%	22CYB02	52	50	2	29	21	58	45.91	44.07	35.90	72%	22EEC02	52	51	1	30	21	59	51.72	51.63	30.56	70%	22MEC02	52	51	1	38	13	75	56.00	60.10	43.30	70%
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	<b>% of Pass:</b>																																																																		
<ul style="list-style-type: none"><li>Pass % in the following courses are found to be low.</li><li>1<sup>st</sup> semester: 22MYB01 Calculus and linear algebra (60%), 22CYB02 Chemistry for Engineers (58%), 22EEC02 Basic Electrical Engineering (59%).</li></ul>																																																																			
<b>CO attainment:</b>																																																																			
<ul style="list-style-type: none"><li>Attainments of COs of all courses are found to be low. Respective course handling faculty members were asked to analyze the reasons and take remedial measures to improve the pass percentage and CO attainment.</li></ul>																																																																			
<b>Slow learner's year wise student count as below.</b>																																																																			
<ul style="list-style-type: none"><li>1<sup>st</sup> year - 15 students</li><li>Students identified as a slow learner were reviewed and faculty members are asked to conduct remedial class to improve the academic performance. Further it's informed to keep all documents related to slower learners in the respective course files.</li></ul>																																																																			
<b>Identification of advance learners year wise student count as below.</b>																																																																			
<ul style="list-style-type: none"><li>1<sup>st</sup> year - 07 students</li><li>Faculty member are asked to motivate student to do online courses, undergo placement training, Internship, prepare for higher studies, participate in seminars/workshops/conference.</li></ul>																																																																			
Resolution	Resolved to record.																																																																		





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Item 3.03	Discussion on Class Committee Meeting (CCM), parents meeting and Mid sem feedback (II, III & IV year) - Reports, analysis and and action taken.
Discussion	Dr. MEM shared the Class Committee Meeting (CCM), Mid sem feedback and ATR. Further, requested faculty members to improve the teaching learning process and other aspects as mentioned in the feedback.
Resolution	Resolved to approve the ATR of Class Committee Meeting (CCM).
Item 3.04	Discussion on Students NPTEL course completion status.
Discussion	Dr. MEM presented the NPTEL course completed during the year 2022-2023. <ul style="list-style-type: none"><li>• II Year - Nil</li><li>• III Year - 03</li><li>• IV Year - 01</li></ul> Faculty members are informed to educate the students to register more online courses and avail the benefits of course exemption in the final year.
Resolution	Resolved to record.
Item 3.05	Discussion on <ul style="list-style-type: none"><li>• PBL courses and projects with CiPD support.</li><li>• Final year projects (industry &amp; in-house).</li></ul>
Discussion	<b><u>PBL Courses</u></b> <ul style="list-style-type: none"><li>• 2<sup>rd</sup> year / IV semester- Subtractive manufacturing process – 26 batches</li><li>• 3<sup>rd</sup> year / VI semester – Mechatronics – 27 batches</li><li>• It is informed to make use of facilities available in the Centre for Innovation &amp; Product Development (CiPD) and ensure the quality of projects and learning.</li></ul> <b><u>Final Year Project</u></b> <ul style="list-style-type: none"><li>• Industry - 11 Batches</li><li>• In-house - 23 Batches</li><li>• Project guides and project co-ordinators are informed to ensure as an outcome of the projects by developing working models, encouraging students to participate in international conference and publish project works in journals preferably in Scopus indexed.</li></ul>
Resolution	Resolved to record.
Item 3.06	Discussion on student co curricular activities (inside & outside the state)
Discussion	Dr. MEM presented the extra and co-curricular activities <ul style="list-style-type: none"><li>• I Year - 06</li><li>• II Year - 131</li><li>• III Year - 52</li><li>• IV Year - 33</li><li>• No. of students participation in co-curricular activities seems to be encouraging.</li><li>• It is suggested to encourage students to participate in the events outside state.</li></ul>
Resolution	Resolved to record.





Item 3.07	Review of placement status of IV years and training plan for III years.
	<p>Placement co-ordinators presented the Final Year placement status &amp; training plan</p> <p><b>CORE:</b> No. of willing - 79 No. of Eligible - 30 No. of Not Eligible - 49 No. of Placed (not eligible) – 09 No. of Placed (eligible) - 27 No. of yet to Place - 43</p> <p><b>IT:</b> No. of willing - 29 No. of Eligible - 26 No. of Not Eligible - 03 No. of Placed (eligible) - 10 + (1 Internship) No. of yet to Place – 19</p> <p><b>TRAINING PLAN FOR THIRD YEAR</b></p> <p><b>IT WILLING STUDENTS: 25</b></p> <ul style="list-style-type: none"><li>• Training on Aptitude, Logical Reasoning, Verbal communication and Software Programming</li><li>• Tests in Examly portal</li></ul> <p><b>CORE WILLING STUDENTS:54</b></p> <ul style="list-style-type: none"><li>• Training on Aptitude, Logical Reasoning, Verbal communication</li><li>• Core Technical and Interview preparation training by TVS Training &amp; Services Ltd.</li><li>• Tests in Examly portal.</li></ul> <p>It is informed to monitor the placement training activities and update the feedback of the students to the head of the department time to time.</p>
Resolution	Resolved to record.
Item 3.08	Discussion on paper publication, Consultancy, research/seminar/workshop/FDP grant proposal and NPTEL course completion.
Discussion	<ul style="list-style-type: none"><li>✓ Paper Publication (2022-2023)<ul style="list-style-type: none"><li>➤ Scopus Indexed Journal - 15</li><li>➤ WoS - 3</li></ul></li><li>✓ Consultancy – Nil</li><li>✓ Research/seminar/workshop/FDP grant proposal - Nil</li><li>✓ NPTEL Course Completion - 3 (1 Elite)</li><li>✓ Faculty members are informed to submit funding proposals and do consultancy works.</li></ul>
Resolution	Resolved to record.





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Item 3.09	Review of Course coordinator meeting minutes of all the courses.
Discussion	Dr. MEM reviewed the Course coordinator meeting minutes and suggested to ensure the details of discussions about fixing targets of CO & PO, attainment of CO & PO and remedial measures taken for improvement during the course co-ordinators meeting and recording the same in minutes of meetings to satisfy the NBA / NAAC requirements.
Resolution	Resolved to record.
Item 3.10	Discussion on R22 curriculum and draft syllabus of III & IV semester, CO-PO/PSO mapping, analysis and action taken for the feedback received from experts.
	<ul style="list-style-type: none"><li>✓ BoS Chairman explained the need for new regulation (R22).</li><li>✓ BoS coordinator presented the proposed curriculum R22 developed based on AICTE model curriculum and ANNA university R21 regulation.</li><li>✓ The faculty members those who are involved in the syllabus framing are requested to follow the curriculum development process.</li><li>✓ Dr. M. Muthukumar clarified the minor degree work progress.</li><li>✓ Dr. N. Senniangiri presented the Honours vertical (Digital and Green Manufacturing)</li><li>✓ Dr. B. Ashokkumar presented the Honours vertical (Modern Mobility Systems).</li></ul> <p>Student members have also put forth their suggestions as given below.</p> <ul style="list-style-type: none"><li>✓ Arul Murugan student member suggested<ul style="list-style-type: none"><li>▪ To frame the syllabus based on the text book content.</li><li>▪ Opinion that faculty needs to solve more problems in the classroom.</li></ul></li><li>✓ Merlin student member expressed that the OE and PSE courses could be more specific to Mechanical Engineering current trends so that the students can easily satisfy the industry needs.</li></ul>
Resolution	Resolved to approve.
Item 3.11	Any other matter - Nil

Date: 08-03-2023

Place: Erode

  
08/03/23  
**CHAIRMAN-PAC**

**HEAD OF THE DEPARTMENT**  
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