



NANDHA ENGINEERING COLLEGE
(Autonomous)
ERODE- 638 052



Department of Mechanical Engineering

NEC/MECH/PAC-02/2022-23 (EVEN)

DATE: 26.12.2022

CIRCULAR

Originator:
Chairman- PAC

Circulated to:
Members of PAC & All faculty members

Sub: Programme Assessment Committee (PAC) meeting:

The PAC meeting is scheduled on **26.12.2022** to discuss the agenda listed below. In this connection, all the PAC members are requested to attend the meeting.

Date & Time of Meeting: **26.12.2022 (12.30PM)**

Venue: **Meeting Hall**

AGENDA	
Dissemination of vision and mission of the department	
VISION	<ul style="list-style-type: none">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.
MISSION	<ul style="list-style-type: none">To enrich technical knowledge and skills by imparting quality education with ethics and social responsibility.To empower the students in the thrust areas of Mechanical, Allied Engineering and Entrepreneurship in the continually changing global market.To provide a conducive learning environment for improving continually to cater the needs of the society.
Item 2.01	Review of the previous PAC meeting minutes
Item 2.02	Analysis of results 2021-22 (even) and CO-PO attainment 2021-22 (even), overall attainment of the 2022 pass out batch & fixing PO target for 2022- 2026 batch.
Item 2.03	2022-23 ODD: Analysis of CAT-1 result, CO attainment analysis of 3 rd sem., 5 th sem., and 7 th sem., identification of slow learners and fast learners, and corrective/improvement measures.
Item 2.04	Review of Class Committee Meeting (CCM) reports and action taken.
Item 2.05	Discussion on R22 Third and fourth Semester Syllabus with CO-PO Mapping.
Item 2.06	Review of department academic plan and activities.
Item 2.07	Review of first year Student admission.
Item 2.08	Review of placement status of IV years and training plan for III years.
Item 2.09	Any other matter

To

All members of PAC,

- ✓ All Faculty members,
- ✓ File (O/o Head)

26/12/22
CHAIRMAN-PAC
HEAD OF THE DEPARTMENT
DEPARTMENT OF MECHANICAL ENGINEERING,
NANDHA ENGINEERING COLLEGE
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Department of Mechanical Engineering

MINUTES OF THE PROGRAMME ASSESSMENT COMMITTEE MEETING

Name of the Body	PROGRAMME ASSESSMENT COMMITTEE (PAC)	
Department	Mechanical Engineering	
Meeting No.	02	2022-2023
Date & Time	26-12-2022 & 12.30 PM	

Disseminated the vision and mission of the department	
VISION	<ul style="list-style-type: none">• 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.
MISSION	<ul style="list-style-type: none">• To enrich technical knowledge and skills by imparting quality education with ethics and social responsibility.• To empower the students in the thrust areas of Mechanical, Allied Engineering and Entrepreneurship in the continually changing global market.• To provide a conducive learning environment for improving continually to cater the needs of the society.


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 2.01	Review of the previous PAC meeting minutes											
	The previous PAC meeting minutes were reviewed. There were no comments from members.											
Item 2.02	Analysis of results 2021-22 (even) and CO-PO attainment 2021-22 (even), overall attainment of the 2022 pass out batch & fixing PO target for 2022- 2026 batch.											
Discussion	Dr. MEM presented the results of 2021-22 (even).											
	Even semester 2021-22 - II Semester											
	Course Code	Appeared	Present	Absent	Fail	Pass %	CO1	CO2	CO3	CO4	CO5	Course Target
	17EYA02	54	46	4	8	85.19%	3	3	3	3	3	75%
	17MYB02	54	43	4	11	79.63%	1.75	1	1.25	1	1	70%
	17PYB03	54	53	4	1	98.15%	2	2	2	2	2	60%
	17CYB03	54	51	4	3	94.44%	3	3	3	3	3	75%
	17MEC01	54	40	4	14	74.07%	2.07	2.07	2.07	2.07	2.07	75%
	17CSC01	54	49	4	5	90.74%	2.33	1.43	2	1.67	1.14	70%
	17MEP02	54	54	4	0	100.00%	2.82	2.82	2.82	2.82	2.82	65%
	17CSP01	54	53	4	1	98.15%	3	3	3	3	3	70%
	Even semester 2021-22 - IV Semester											
	Course Code	Appeared	Present	Absent	Fail	Pass %	CO1	CO2	CO3	CO4	CO5	Course Target
	17MYB06	112	95	10	17	84.82	1.76	2.58	2.5	2.58	2.5	70%
	17MEC08	112	95	9	17	84.82	2.71	2.69	2.69	2.71	2.71	75%
	17MEC09	113	106	9	7	93.81	1.69	2.58	2.5	2.58	2.5	70%
	17MEC10	113	102	9	11	90.27	1.79	1.64	1.9	1.85	1.48	75%
	17MEC11	112	74	9	38	66.07	2.25	2.22	2.22	2.22	2.24	70%
	17MEX18	113	107	9	6	94.69	2.42	2.4	2.42	2.48	2.42	70%
	17MEX04	57	55	3	2	96.49	2.54	2.67	2.53	2.8	2.73	75%
17MEP05	112	112	9	0	100	2.9	2.89	2.86	2.9	2.88	75%	
17MEP06	113	113	8	0	100	2.72	2.74	2.72	2.72	2.71	75%	
Even semester 2021-22 - VI Semester												
Course Code	Appeared	Present	Absent	Fail	Pass %	CO1	CO2	CO3	CO4	CO5	Course Target	
17MEC17	125	119	2	6	95.2							
17MEC18	125	114	2	11	91.2	1.63	1.81	1.64	2	1.87	70 %	
17MEC19	125	121	2	4	96.8							
17MEX16	125	121	2	4	96.8	3	3	3	3	3	70%	
17MEX07	62	61	2	1	98.39							
17MEX06	62	56	1	6	90.32							
17MEX21	53	53	1	0	100	2.1	2.11	2.03	2.12	2.23	70 %	
17GED08	126	125	1	1	99.21							
17MEP09	125	123	2	2	98.4							



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Even semester 2021-22 - VIII Semester

Course Code	Appeared	Present	Absent	Fail	Pass %	CO1	CO2	CO3	CO4	CO5	Course Target
17MEX26	17	17	0	1	94.12	2.57	2.53	2.59	2.53	2.53	65%
17CHZ04	10	10	0	1	90	1.23	1.12	0.76	1.32	0.83	65%
17EEZ03	10	10	1	0	100	1.16	1.11	0.96	1.24	1.23	70%
17ECZ01	4	4	0	0	100	2.32	1.76	1.24	2.07	0.94	65%
17MED02	115	115	0	0	100	2.87	2.76	2.68	2.79	2.84	70%

- Pass % in the following courses seemed to low.
- 2nd semester: 17MYB02 Complex Analysis and Laplace Transform (79.63%), 17MEC01 Engineering Mechanics (74%)
- 4th semester: 17MEC11 Strength of Materials (66.07%)
- Respective course handling faculty members were asked to analyze the reasons and take remedial measures to improve the academic performance.

Overall attainment: Batch 2018- 2022 [Target: 65%]

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3	PSO 4
Attainment	2.16	1.97	1.95	1.95	2.01	1.65	1.49	1.58	1.95	1.59	1.95	1.98	2.13	1.95	1.69	1.69
% of attainment	71.90	65.63	65.02	65.05	67.00	55.06	49.80	52.66	65.04	52.95	65.13	65.88	71.04	65.04	56.20	56.24

- Target achieved POs and PSOs were discussed [PO1, PO2, PO3, PO4, PO5, PO9, PO11 and PSO1 and PSO2.
- Target not achieved POs and PSOs were discussed [PO6, PO7, PO8, PO10 & PSO3, PSO4]. The reasons for non-attainment of POs and PSOs were analyzed and informed to take remedial action to improve the attainment level.

Fixing PO target for 2022- 2026 batch: Students entry level academic performance and previous Batch PO attainment performance were discussed in detail. It decided to fix PO attainment target for 2022- 2026 batch as 67%.

Resolution Resolved to record and put forth before DAB meeting



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Item 2.03	2022-23 ODD: Analysis of CAT-1 result, CO attainment analysis of 3 rd sem., 5 th sem., and 7 th sem., identification of slow learners and fast learners, and corrective/improvement measures.																																																																																								
Discussion	Dr. MEM presented the 2022-23 ODD semester CAT-1 result analysis, CO attainment analysis of 3 rd sem., 5 th sem., and 7 th sem., identification of slow learners and fast learners, and corrective/improvement measures.																																																																																								
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<ul style="list-style-type: none"> • Pass % in the following courses seemed to low. • 7th Semester: 17MEC20 CAD / CAM / CIM (62.5%), 17MEC21 Finite Element Analysis (43.5%) • 5th semester: 17MEC13 Design of Machine Elements (64.44%), 17MEC14 Heat and Mass Transfer (Theory + Lab) (62.37%), 17MEC15 Dynamics of Machinery (60.44%) • 3rd semester: 17MYB03 Fourier series and Partial Differential Equations (54%), 17MEC03 Materials Engineering and Technology (56%), 17MEC04 Engineering Thermodynamics (67%), 17MEC05 Mechanics and Machinery (Theory + Lab) (38%) 																																																																																									
<p>Respective course handling faculty members were asked to analyze the reasons and take remedial measures to improve the academic performance.</p>																																																																																									



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	<p>Identification of slow learners year wise student count as below.</p> <ul style="list-style-type: none"> • II Year - 15 • III Year - 14 • IV Year – 16 • Students identified as a slow learner were reviewed and faculty members are ask 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 which subject to audit. <p>Identification of fast learners year wise student count as below.</p> <ul style="list-style-type: none"> • II Year - 15 • III Year - 14 • IV Year – 16 • Faculty member ask to motivate student to do online courses, placement training, Internship, Higher studies, participation in seminars/ workshops/conference. 																					
Resolution	Resolved to record.																					
Item 2.04	Review of Class Committee Meeting (CCM) reports and action taken.																					
Discussion	Dr. MEM shared the Class Committee Meeting (CCM) feedback and ATR request faculty members look at to this.																					
Resolution	Resolved to approve the ATR of Class Committee Meeting (CCM).																					
Item 2.05	Discussion on R22 Third and fourth Semester Syllabus with CO-PO Mapping.																					
	<ul style="list-style-type: none"> ✓ Dr. MEM BoS Chairman explained the need for new regulation (R22) and presented the proposed curriculum R22 developed based on AICTE model curriculum for their autonomous constitute syllabus sub-committee for second year - Third and fourth semester. ✓ The faculty members those who are involved in the syllabus framing are request to follow the curriculum development process already in the practices. 																					
Resolution	Resolved to accept and put forth to DAB.																					
Item 2.06	Review of department academic plan and activities.																					
	<p>Association coordinator Mr. M. Sengottaiyan present the academic activities event calendar 2022-2023 (Even Semester)</p> <table border="1"> <thead> <tr> <th>Date</th> <th>Day</th> <th>Proposed Activities</th> </tr> </thead> <tbody> <tr> <td>04.03.2023</td> <td>Saturday</td> <td>Academic Seminar/Workshop</td> </tr> <tr> <td>03.04.2023</td> <td>Thursday</td> <td>Industrial Seminar</td> </tr> <tr> <td>04.04.2023</td> <td>Tuesday</td> <td>Intra-Dept Event</td> </tr> <tr> <td>18.04.2023</td> <td>Tuesday</td> <td>National Conference</td> </tr> <tr> <td>20.04.2023</td> <td>Saturday</td> <td>One Credit Course</td> </tr> <tr> <td>14.05.2023</td> <td>Saturday</td> <td>One Credit Course</td> </tr> </tbody> </table>	Date	Day	Proposed Activities	04.03.2023	Saturday	Academic Seminar/Workshop	03.04.2023	Thursday	Industrial Seminar	04.04.2023	Tuesday	Intra-Dept Event	18.04.2023	Tuesday	National Conference	20.04.2023	Saturday	One Credit Course	14.05.2023	Saturday	One Credit Course
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Resolution	Resolved to accept and put forth to DAB.																					



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Item 2.07	Review of first year Student admission.
	Total Number of admit Students = 52. Through Government Quota 25 and management Quota 27
Resolution	Resolved to record.
Item 2.08	Review of placement status of IV years and training plan for III years.
	Placement co-ordinators presented the Final Year placement status CORE: No. of willing - 80 No. of Eligible - 32 No. of Not Eligible - 48 No. of Placed (eligible) - 02 No. of yet to Place - 78 IT: 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 TRAINING PLAN FOR THIRD YEAR IT WILLING STUDENTS: <ul style="list-style-type: none">• Training on Aptitude, Logical Reasoning, Verbal communication and Software Programming• Tests in Examly portal CORE WILLING STUDENTS: <ul style="list-style-type: none">• Training on Aptitude, Logical Reasoning, Verbal communication• Core Technical and Interview preparation training by TVS Training & Services Ltd.• Tests in Examly portal. Placement co-ordinator inform to effect plan to the placement training activities and update the feedback of the students to the head of the department time to time.
Resolution	Resolved to accept and put forth to DAB.
Item 2.09	Any other matter - Nil

Date: 26.12.2022

Place: Erode


Chairman-PAC

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