



NANDHA ENGINEERING COLLEGE
(Autonomous)
ERODE- 638 052



Department of Mechanical Engineering

NEC/MECH/PAC-02/2023-24

DATE: 20.09.2023

CIRCULAR

Originator: Chairman- PAC	Circulated to: Members of PAC & All faculty members
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Sub: Programme Assessment Committee (PAC) meeting:


The PAC meeting is scheduled on **27.09.2023** to discuss the agenda listed below. In this connection, all the PAC members are requested to attend the meeting.

Date & Time of Meeting: **27.09.2023 (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	Result Analysis and attainment of even semester 2022-23 (all years), Overall attainment of the 2023 pass out batch & fixing PO attainment target for the batch (2023-2027).
Item 2.03	<ul style="list-style-type: none">CAT1 Result and attainment analysis of 3rd year.Review of slow learners performance and corrective actions.Review of advanced learners and activities.
Item 2.04	Review of Class Committee Meeting (CCM) reports and action taken.
Item 2.05	Discussion on Proctor meeting minutes and action taken reports.
Item 2.06	Review of Department academic plan and activities.
Item 2.07	Review of First year & Lateral Entry Student admission.
Item 2.08	<ul style="list-style-type: none">Review of Final year Placement statusIRS schedule and performance of the student in IRS subjects of III years.I and II year IRS subject list and schedule.
Item 2.09	Review of the activities listed in the department appraisal.
Item 2.10	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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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	2023-2024
Date & Time	27.09.2023 & 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
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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	Result Analysis and attainment of even semester 2022-23 (all years), Overall attainment of the 2023 pass out batch & fixing PO attainment target for the batch (2023-2027).											
Discussion	Dr. MEM presented the results of 2021-22 (even).											
	Even semester 2021-22 - IV Semester											
	Course Code	Appeared	Present	Absent	Fail	Pass %	CO1	CO2	CO3	CO4	CO5	Course Target
	17MYB06	103	92	0	11	89.32	75.00	40.00	55.00	75.00	56.00	70.00
	17MEC08	103	99	0	4	96.12	82.33	77.66	79.66	83.00	82.66	75.00
	17MEC09	102	89	1	13	87.25	90.33	74.33	71.66	75.00	75.00	70.00
	17MEC10	103	100	0	3	97.09	75.89	74.61	72.83	74.78	87.22	75.00
	17MEC11	103	92	0	11	89.32	61.00	60.6	43.33	61.00	45.00	70.00
	17MEX04	102	101	1	1	99.02	80.00	75.00	75.00	80.00	80.00	75.00
	17MEP05	103	103	0	0	100.00	89.33	89.00	94.66	88.66	89.66	80.00
	17MEP06	102	102	1	0	100.00	96.67	95.53	96.44	96.05	97.48	75.00
	17MYB06	103	92	0	11	89.32	75.00	40.00	55.00	75.00	56.00	70.00
	Even semester 2021-22 - VI Semester											
	Course Code	Appeared	Present	Absent	Fail	Pass %	CO1	CO2	CO3	CO4	CO5	Course Target
	17MEC17	109	106	1	3	97.25	77	73.3	77	77	77.6	70
	17MEC18	110	103	0	7	93.64	83.33	51.66	75	98.33	98.00	70
	17MEC19	110	104	0	6	94.55	54.73	54.48	64.15	59.94	65.11	75
17MEX04	53	51	0	2	96.23	59.33	58.33	56.66	59.33	59.00	70	
17GEA05	57	54	0	3	94.74	96.77	71.44	74.3	81.08	71.67	70	
17MEX16	85	82	1	3	96.47	89.02	80.78	73.25	73.18	49.57	70	
17CSX31	25	25	0	0	100.00	92.00	92.66	96.66	98.00	98.00	70	
Even semester 2021-22 - VIII Semester												
Course Code	Appeared	Present	Absent	Fail	Pass %	CO1	CO2	CO3	CO4	CO5	Course Target	
17MEX26	25	24	1	1	96.00	74	52.66	66	74	50	70	
17CEZ05	2	2	0	0	100.00	78	83	85	81	80	75	
17CHZ04	21	21	1	0	100.00	73	98.33	93	97.66	81	70	
17EEZ03	9	9	1	0	100.00	74	77	70	60	69	70	
	<ul style="list-style-type: none"> Attainments of COs of highlighted few 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. 											



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		Overall attainment: Batch 2019- 2023 [Target: 70%]															
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3	PSO 4
Attainment		2.36	2.16	2.13	1.95	2.01	1.75	1.93	1.50	1.81	1.95	2.14	2.16	2.18	2.15	1.76	1.66
% of attainment		78.51	71.94	71.12	64.87	67.17	58.19	64.37	49.88	60.45	65.12	71.32	71.94	72.63	71.67	58.73	55.24
<ul style="list-style-type: none"> Target achieved POs and PSOs were discussed [PO1, PO2, PO3, PO11, PO12 and PSO1 and PSO2. Target not achieved POs and PSOs were discussed [PO4, PO5, PO6, PO7, PO8, PO9, 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. 																	
<p>Fixing PO target for 2023- 2027 batch: Students entry level academic performance and previous Batch PO attainment performance were discussed in detail. It decided to fix PO attainment target for 2023- 2027 batch as 67%.</p>																	
Resolution	Resolved to record and put forth before DAB meeting																
Item 2.03	<ul style="list-style-type: none"> CAT1 Result and attainment analysis of 3rd year. Review of slow learners performance and corrective actions. Review of advanced learners and activities.																
Discussion	Dr. MEM presented the 2023-24 ODD semester CAT-1 result analysis, CO attainment analysis of 5 th sem., identification of slow learners and fast learners, and corrective/improvement measures.																
	CAT-1 result and attainment analysis III Year (5th Semester) 2023 - 2024 (Odd Semester)																
		Course Code	Present	Absent	Pass	Fail	Pass %	CO1	CO2	CO3	Course Target						
		17MEC13	102	01	82	20	80	2.1	2	2	2						
		17MEC14	102	01	86	16	84	2.1	2	2	2						
		17MEC15	101	02	76	25	75	2.1	2	2	2						
	17MEC16	100	03	82	20	80	2.1	2	2	2							



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	<ul style="list-style-type: none"> Pass % in the following course seemed to low. 5th semester: 17MEC15 Dynamics of Machinery (75%) <p>Respective course handling faculty members were asked to analyze the reasons and take remedial measures to improve the academic performance.</p> <p>Identification of slow learners year wise student count as below.</p> <ul style="list-style-type: none"> III Year - 17 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"> III Year - 14 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 Proctor meeting minutes and action taken reports.																															
	Mr. R. Rajkumar present the proctor meeting minutes on year wise student achiviemnt and the academic activities with proctor ATR																															
Resolution	Resolved to approve the ATR of Class Committee Meeting (CCM).																															
Item 2.06	Review of Department academic plan and activities.																															
	Association coordinator Mr. M. Sengottaiyan present the academic activities event calendar 2023-2024 (ODD Semester)																															
	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Month</th> <th rowspan="2">ISTE(2)</th> <th rowspan="2">IEI(3)</th> <th rowspan="2">SAE(3)</th> <th colspan="3">SOME</th> </tr> <tr> <th>International (1)</th> <th>National (2)</th> <th>State level (6)</th> </tr> </thead> <tbody> <tr> <td>JULY</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Association Inaugural (Week 4)</td> </tr> <tr> <td>AUG</td> <td>Industrial Seminar (Week1)</td> <td></td> <td>Tier I Event</td> <td></td> <td></td> <td>Academic Seminar (Week 4)</td> </tr> <tr> <td>SEP</td> <td></td> <td>Teachers day Sep 5, Engineers Day</td> <td></td> <td></td> <td></td> <td>Intra Dept Meet (Week 4)</td> </tr> </tbody> </table>	Month	ISTE(2)	IEI(3)	SAE(3)	SOME			International (1)	National (2)	State level (6)	JULY						Association Inaugural (Week 4)	AUG	Industrial Seminar (Week1)		Tier I Event			Academic Seminar (Week 4)	SEP		Teachers day Sep 5, Engineers Day				Intra Dept Meet (Week 4)
Month	ISTE(2)					IEI(3)	SAE(3)	SOME																								
		International (1)	National (2)	State level (6)																												
JULY						Association Inaugural (Week 4)																										
AUG	Industrial Seminar (Week1)		Tier I Event			Academic Seminar (Week 4)																										
SEP		Teachers day Sep 5, Engineers Day				Intra Dept Meet (Week 4)																										



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			Sep 15				
	OCT			Industrial Seminar (Week1)			Workshop (Week 4)
	NOV					SYMPOSIUM 2023 (Week 1)	
	DEC	Exam					
	JAN	Academic Seminar (Week 1)				Academic Seminar (Week 4)	
	FEB		Guest Lecture (week 1)				Industrial Seminar (Week4)
	MAR			Industrial Seminar (Week1)	International Conference /Seminar (Week 2)		
	APR						WORKSHOP (Week 4)
	MAY	Exam					
	Count	2	3	3	1	2	6
Resolution	Resolved to accept and put forth to DAB.						
Item 2.07	Review of First year & Lateral Entry Student admission.						
	Total Number of admit Students = 52. Through Government Quota 25 and management Quota 27						
Resolution	Resolved to record.						
Item 2.08	<ul style="list-style-type: none"> Review of Final year Placement status IRS schedule and performance of the student in IRS subjects of III years. I and II year IRS subject list and schedule. 						
	Placement co-ordinators presented the Final Year placement status CORE: No. of Eligible - 54 IT: No. of Eligible - 25 No. of Not Eligible - NIL 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.						
	Performance of the student in IRS subjects (Problem Solving and Programming) of III years						
	Marks						Students
	76-100						26
	51-75						14
	26-50						1
	0-25						2
	Total						43



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I, II and III year IRS subject list and schedule.				
Description	I YEAR ACADEMIC SCHEDULE	II YEAR ACADEMIC SCHEDULE	III YEAR ACADEMIC SCHEDULE	
			IT PLACEMENT	CORE PLACEMENT
IRS Courses 1	<u>22EYA01 - Professional Communication I</u> 11.12.2023 - 21.12.2023 (10 days) Mr.E.P. Naveenprasanth / English	<u>22MAN07 - Soft / Analytical Skills IV (Verbal)</u> 28.11.2023 - 02.12.2023 (5 days) Mr.E.P. Naveenprasanth / English	<u>17EYZ04 - Employability Enhancement and Analytical Skills (Verbal)</u> 17.10.2023 - 31.10.2023 (10 Days) Ms.T.Thivya / English	<u>IRS1 & IRS 2</u> 17.10.2023 - 04.10.2023 IRS 1 (NDT&E) - Mr.S.Eswaran IRS 2 (RSE) - Mr.M.Sengottaiyan
IRS Courses 2	<u>22MAN02 - Soft / Analytical Skills I</u> 09.10.2023 - 20.10.2023 (10 Days) Mr.M.Shanmugam	<u>22MAN08 - Soft / Analytical Skills IV (Aptitude)</u> 13.09.2023 - 26.09.2023 (10 Days) Mr.M.Shanmugam	<u>17EYZ04 - Employability Enhancement and Analytical Skills (Aptitude)</u> 01.11.2023 - 14.11.2023 (10 Days) Mr.M.Shanmugam	<u>Electric Vehicle Technology Training</u> 20.09.2023 - 04.10.2023 Mr.Ganeshkumar, Skill Start
IRS Courses 3	NA	NA	<u>17CSX31- Problem Solving and Programming</u> 20.09.2023 - 13.10.2023 (14 Days) 15.11.2023 - 18.11.2023 (4 Days) Dr.B.Ashokkumar	<u>Aptitude</u> 05.10.2023 - 13.10.2023 (10 Days) Mr.M.Shanmugam
IRS Courses 4	NA	NA	NA	<u>Internship</u> 06.11.2023 - 18.11.2023 (10 Days)
Resolution	Resolved to accept and put forth to DAB.			



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Item 2.09		Review of the activities listed in the department appraisal.			
S. No	Parameter	Specific Details	Target	Mech	
			No. of Faculty	20	
1	No. of Students in each Department	Sanctioned Intake		60+6	
		No. of first year students with cutoff >160	>75%	0	
		No. of Students Admitted in I Year		52	
		No. of Students Admitted as Lateral Entry	>90%	55	
		Enrollment Ratio Batch 2022-26 (Minimum Requirement to run the Program 60%)	>90%	87	
		Total No. of Students (I to Final Year - UG & PG)		388	
2	Student Details	Student Faculty Ratio	1:15 (In Actual)	1:21	
		No. of Boys	50%	376	
		No. of Girls	50%	12	
		Rejoin/Transfer	0	0	
		Debar/Discontinue	0	3	
		No. of Students within Tamilnadu	90%	372	
		No. of Students from other State	5-10%	4	
3	Student Details	No. of students receiving full tuition fee reimbursement from the State & Central	30%	48	
		No. of students receiving full tuition fee reimbursement from Institution Funds		18	
		No. of students who are not receiving full tuition fee reimbursement	70%	322	
4	Academic Performance	Number of Students without any Backlogs (No history of Arrears)	I Year	48	
			II Year	56	
			III Year	47	
			IV Year	39	
		No. of Student having Arrears	I Year	52	
			II Year	44	
			III Year	53	
			IV Year	61	



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		Pass Percentage of Final Year Students (upto VIII Sem)	2023 Passed out Batch	>95%	88
5	Graduate Outcome	Total No of Students	Batch 2019-23	Actual	125
		No. of students graduating in minimum stipulated time		>95%	110
		Number of Students Placed		80 -90%	102/108 = 94.44%
		Average Salary (LPA) of placed Graduates		4 Lakhs	2.09
		No of students selected for Higher Studies		5-6%	2
		No of students opting for Entrepreneurship		1-2%	2
		6		Internship	No. of Students
III	>70%		0		
IV	>80%		30		
7	No. of Industrial Visit / Local Visit		I to Final Year	1 visit / Year	4
8	Participation in inter-institute events (@ other institutions)	No. of Students Participated Within the State		100% of Student Strength	207
		Total No. of Prizes / Awards received		10% of Student Strength	14
9	Faculty as participants in FDP/ Training Activities / STTPs	No. of Faculty Participated		1 / faculty / year	37
10	Faculty Funding Proposals Applied (Workshop/ Seminar/STTP/F DP)	No. of Faculty submitted proposal		50% of Faculty Strength	7



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11	Funding Proposals Applied (Research Projects)	No. of Faculty submitted proposal		30% of the Faculty Strength	6
12	Funding Proposals Acceptance	Funds Received from Funding Agencies		>=5 Lakhs/Financial year	0
13	Grants Received / Ongoing Project	Total Amount Received in this Academic Year		>=5 Lakhs/Financial year	0
14	Paper Publications	Scopus / WoS / UGC Approved Journals / Annexure	Mandatory	1 / faculty / year	8
	Paper Presented in IITs/NITs/ NIRF Ranked Colleges	1/ Intake (Conference conducted outside Nandha)		No. of PhDs in the department	1
15	Industrial Training Attended by Faculty Members	No. of Faculty Members		50% of Faculty Strength	20
16	Faculty from Other State		-	1	0
17	Industrial Project	No. of Projects (UG&PG)		5 / intake	8
18	Patent	Patent Filed		2/Dept	0
		Patent Published	-	1/Dept	1
		Patent Granted	-	1/Dept	5
19	Copy rights	No. of Copyrights	-	2/Dept	1-applied
20	News Published in Newspapers / Professional Chapter / etc	No. of News Published		5/Dept	0



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21	News Letter & Magazine Published	Hardcopy		1/Sem/Dept	3
22	Self Learning NPTEL / Online Courses	No. of Faculty Completed	Mandatory	1/Faculty/Year	16
		No. of Students Completed		1 PE /OE Course/Section/ Yr	II YEAR- 28 III YEAR - 34
23	Consultancy		-	4 Lakhs/Dept. /Financial Year	4,03,900
24	Online Course Material/You tube Lecture			1/Faculty/Year	14 you tube lectures
25	Professional Society Social Club Dept. Specific Club		-	2 Activity / Year	SAE - 2 IEI- 3
26	Budget Requisition, Allocation & Utilization Amount in Rs. (AY 2022-23)	Budget for New Equipment and Software for Laboratories (Utilization/Sanctioned)	-		1,50,000/1,50,000
27	MoU (Preferably in CII Member Company)	New MoU signed in this AY		01 / Dept / Year	1
		No. of Activities in the Existing MoU		01 / Dept / Year	6
28	Alumni Visit / Interaction	No. of Alumni Visit		10 / Year	45
29	Winning of students in co-curricular activities (From I to IV Year)	Winning Repetitions (winning in competitions held inside and outside Nandha)			14
30	Sports Winning	Winning in National Level Winning in State Level /			9
31	No. of Projects displayed in Innovation Day (1st to 3rd yr)	3 projects / class			41
32	Innovative projects submitted in I club	7 projects / class			7



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	33	Association Activity Completed Details	Symposium/Inter/Intra Departmental Meet	01 / Dept / Year	1	
			No. of Academic Seminar	02 / Dept / Year	2	
			No. of Industrial Seminar		1	
			No. of Workshop	01 / Dept / Year	2	
	34	Non Teaching Staff Course / Workshop		01/Staff/Year	0	
	35	NBA Accreditation	Status	Will be evaluated by IQAC	Accredited	Accredited
			Course Files		Course Files	Yes
			NBA 'P' Files		Completed	Yes
	36	NAAC AQAR	Completion of all Criteria files		Completed	Yes
	37	Visiting Faculty			1 Per Semester	2
38	Industrial Feedback and Impact Analysis		2 Per Semester		3	
39	PAC DAB/BOS		2 Per Semester 1 Per Semester		PAC - 4 DAB - 2 BOS - 1	
40	OBE Training attended Outside or NPTEL Course Certification related to OBE		30 % of Faculty		2	
Resolution	Resolved to accept and put forth to DAB.					
Item 2.10	Any other matter - Nil					

Date: 28.11.2023

Place: Erode


28/11/23
CHAIRMAN-PAC

HEAD OF THE DEPARTMENT
DEPARTMENT OF MECHANICAL ENGINEERING,
NANDHA ENGINEERING COLLEGE
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