NANDHA ENGINEERING COLLEGE
(Autonomous)
ERODE- 638 052

Department of Mechanical Engineering

NEC/MECH/DAB-01/2023-24 **DATE:** 20-11-2023

CIRCULAR

Originator:	**Circulated to:**
Chairman- DAB	Members of DAB & All faculty members

Sub: DEPARTMENT ADVISORY BOARD (DAB) MEETING

The DAB meeting is scheduled on 29-11-2023 to discuss the agenda listed below. In this connection, all the DAB members are requested to attend the meeting.

Date & Time of Meeting: **29.11.2023 (12.30AM)-Monday**
Venue: Online Meeting

AGENDA	
Dissemination of vision and mission of the department	
VISION	• 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	• 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 1.01	Review of the previous PAC meeting minutes
Item 1.02	Review of result analysis and attainment of even semester 2022-23, overall attainment of the 2023 pass out batch & fix target for the I year (2023-2024 batch).
Item 1.03	Review of result and attainment analysis of 3rd, 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 activity plan for the academic year 2023 – 2024.
Item 1.06	First year Student admission.
Item 1.07	Online courses for students (NPTEL, etc...)
Item 1.08	IRS course details, placement status of IV years and training plan for III years.
Item 1.09	Any other matter

20/11/23
CHAIRMAN - DAB
HEAD OF THE DEPARTMENT
DEPARTMENT OF MECHANICAL ENGINEERING,
NANDHA ENGINEERING COLLEGE
ERODE - 638 052.

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

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Department of Mechanical Engineering

Department of Mechanical Engineering

MINUTES OF THE DEPARTMENT ADVISORY BOARD (DAB) MEETING

Name of the Body	DEPARTMENT ADVISORY BOARD (DAB)	
Department	Mechanical Engineering	
Meeting No.	01	2023-2024
Date & Time	29.11.2023 & 10.00 AM	
Venue	Online Google meeting	

Disseminated the vision and mission of the department	
VISION	• 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.
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The Chairman DAB Dr. M. Easwaramoorthi, HoD - Mech, welcomed and introduced the DAB members and internal members. The board considered various items the agenda for discussion and the resolutions are given below:

Item 1.01	Review of the previous PAC meeting minutes
	MoM of PAC held on **24-7-2023 & 27-9-2023** were reviewed. Faculty members are informed to focus on improving CO and PO attainment by taking suitable remedial measures in teaching learning process, involving students in co-curricular activities / industry interaction and improving the syllabus contents.
Item 1.02	Review of result analysis and attainment of even semester 2022-23, overall attainment of the 2023 pass out batch & fix target for the I year (2023-2024 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
22MYB02	50	44	0	6	88.00%	75.00	55.33	39.33	75.00	56.00	70.00
22PYB04	50	45	0	5	90.00%	75.77	74.72	55.65	74.07	75.64	70.00
22CSC01	50	39	0	11	78.00%	60.67	53.33	58.00	55.67	54.67	70.00
22ECC03	50	38	0	12	76.00%	65.12	57.64	53.63	70.27	71.41	70.00
22MEC03	50	42	0	8	84.00%	73.11	72.85	49.00	72.90	73.53	70.00
22EYA02	49	45	1	4	91.84%	33.30	53.30	40.00	39.00	46.60	70.00
22CSP01	49	49	1	0	100.00%	97.33	99.13	97.67	98.33	95.47	70.00
22PYP01	50	50	0	0	100.00%	97.91	98.69	98.56	98.56	98.43	70.00

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

<table>
<tr><td>Item 1.03</td><td>Review of result and attainment analysis of 3rd year, identification of slow learners and corrective actions, advanced learners and activities for the advanced learners.</td></tr>
<tr><td>Discussion</td><td>Dr. MEM presented the 2023-24 ODD semesters CAT-1&2 result analysis, CO attainment analysis of 5th sem., list of slow learners and fast learners, and corrective/improvement measures.
CAT-1 result and attainment analysis III Year (5th Semester) 2023 - 2024 (Odd Semester)
<table>
<tr><th>Course Code</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>
<tr><td>17MEC13</td><td>102</td><td>01</td><td>82</td><td>20</td><td>80</td><td>2</td><td>2</td><td>2</td><td>2.1</td></tr>
<tr><td>17MEC14</td><td>102</td><td>01</td><td>86</td><td>16</td><td>84</td><td>2</td><td>2</td><td>2</td><td>2.1</td></tr>
<tr><td>17MEC15</td><td>101</td><td>02</td><td>76</td><td>25</td><td>75</td><td>2</td><td>2</td><td>1</td><td>2.1</td></tr>
<tr><td>17MEC16</td><td>100</td><td>03</td><td>82</td><td>20</td><td>80</td><td>2</td><td>2</td><td>2</td><td>2.1</td></tr>
</table>
• 17MEC15 Dynamics of Machinery pass % is found to be 75%
• Members deliberated the reasons for CO not attainment and action taken for improving the CO attainment such as remedial classes, involving students in co-curricular activities / industry visit and improving the syllabus contents.
CAT-2 result and attainment analysis III Year (5th Semester) 2023 - 2024 (Odd Semester)
<table>
<tr><th>Course Code</th><th>Present</th><th>Absent</th><th>Pass</th><th>Fail</th><th>Pass %</th><th>CO3</th><th>CO4</th><th>CO5</th><th>Course Target</th></tr>
<tr><td>17MEC13</td><td>97</td><td>6</td><td>93</td><td>4</td><td>96</td><td>2.1</td><td>3</td><td>3</td><td>2.1</td></tr>
<tr><td>17MEC14</td><td>103</td><td>0</td><td>97</td><td>6</td><td>94</td><td>2.2</td><td>2.2</td><td>2.2</td><td>2.1</td></tr>
<tr><td>17MEC15</td><td>101</td><td>2</td><td>91</td><td>10</td><td>90</td><td>1</td><td>3</td><td>3</td><td>2.1</td></tr>
<tr><td>17MEC16</td><td>101</td><td>2</td><td>92</td><td>9</td><td>91</td><td>2.1</td><td>3</td><td>2.1</td><td>2.1</td></tr>
</table>
Members appreciated the CAT-2 pass % and attainment of all CO's except CO3 for course 17MEC15
3 rd year slow learners
• 17 students.
• 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.
3 rd year fast learners
• 14 students.
• Faculty member ask to motivate student to do online courses, placement training, Internship, Higher studies, participation in seminars/ workshops/conference.</td></tr>
<tr><td>Resolution</td><td>Resolved to record.</td></tr>
<tr><td>Item 1.04</td><td>Class Committee Meeting (CCM) reports and action taken.</td></tr>
<tr><td>Discussion</td><td>Dr. MEM shared the Class Committee Meeting (CCM) feedback and Action taken report (ATR).</td></tr>
<tr><td>Resolution</td><td>Resolved to approve the ATR of Class Committee Meeting (CCM).</td></tr>
</table>

	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

- 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.

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	75.65	70.92	70.82	62.91	70.35	59.21	64.53	50.00	62.65	62.00	70.40	70.21	70.51	70.06	56.40	55.99

- Dr.MEM presented the POs and PSOs attainment and explained the attained PO & PSO details as given below.
  PO1, PO2, PO3, PO5, PO11, PO12 and PSO1 and PSO2.
- Dr. Jegadheeswaran BIT & Manoj Alumni clarified about the PO/ PSO targets whether it is subject-wise target or common target. Dr. MEM explained that the targets are fixed based on the nature of course (either it is theory or problematic / lab).
- Dr.MEM presented the not attained POs and PSOs as given below.
  PO4, PO5, PO6, PO7, PO8, PO9, PO10 & PSO3, PSO4
- Dr. Jegadheeswaran BIT & Manoj Alumni asked the reasons for non-attainment of POs and PSOs.
  Dr.MEM clarified the action taken for improving the CO and PO attainments such as remedial classes, involving students in co-curricular activities / industry visit and improving the syllabus contents.

Fixing PO target for 2023- 2027 batch:
Student's entry level academic performance and previous Batch PO/PSO attainment performance were discussed in detail and decided to fix PO attainment target of 67% for 2023- 2027 batch.

Resolution	Resolved to record and put forth before BoS meeting.

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Item 1.05	Department activity plan for the academic year 2023 – 2024.
Discussion	Association coordinator Mr. M. Sengottaiyan presented the academic activities as per event calendar 2023-2024 (ODD Semester)

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 1 Event			Academic Seminar (Week 4)
SEP		Teachers day Sep 5, Engineers Day Sep 15				Intra Dept Meet (Week 4)
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 record.
Item 1.06	First year Student admission.
Discussion	First year academic co-ordinator presented the admission details as given below. Total Number of admitted Students = 52. Government Quota = 25 Management Quota 27
Resolution	Resolved to record.

<table>
<tr><td>Item 1.07</td><td colspan="4">Online courses for students (NPTEL, etc...)</td></tr>
<tr><td rowspan="13">Discussion</td><td colspan="3">NPTEL Course 2022-23 (ODD)</td></tr>
<tr><td>Year</td><td>Registered</td><td>Completed</td></tr>
<tr><td>III</td><td>4</td><td>3</td></tr>
<tr><td colspan="3">NPTEL Course 2022-23 (EVEN)</td></tr>
<tr><td>Year</td><td>Registered</td><td>Completed</td></tr>
<tr><td>III</td><td>71</td><td>34</td></tr>
<tr><td>II</td><td>47</td><td>28</td></tr>
<tr><td colspan="3">NPTEL Course 2023-24 (ODD)</td></tr>
<tr><td>Year</td><td>Registered</td><td>Completed</td></tr>
<tr><td>IV</td><td>1</td><td>1</td></tr>
<tr><td rowspan="3">III</td><td>3</td><td>3</td></tr>
<tr><td>73</td><td>9</td></tr>
<tr><td>43</td><td>3</td></tr>
<tr><td colspan="3">✓ Dr. Jegadheeswaran BIT appreciated to the completion of online courses through NPTEL and asked about the exemption of courses. Dr.MEM clarified the options available for exemption of courses in lieu of online courses.</td></tr>
<tr><td>Resolution</td><td colspan="4">Resolved to record.</td></tr>
<tr><td>Item 1.08</td><td colspan="4">IRS course details, placement status of IV years and training plan for III years.</td></tr>
<tr><td rowspan="3">Discussion</td><td colspan="4">Placement co-ordinators presented the Final Year placement status
<u>CORE:</u>
No. of placed student – 24 /25
<u>IT:</u>
No. of placed student – 33/54
• Mr.Manoj suggested to increase industry interaction to provide more practical knowledge to the students.
• Dr. MEM presented the (Industry Relevant Subject) IRS Courses offered to 1st, 2nd & 3rd years.
• Members appreciated the initiatives taken to improve the employability skills of students from 1st year onwards through IRS courses.</td></tr>
<tr><td colspan="4">I, II and III year IRS subject list and schedule.</td></tr>
<tr><td colspan="4"><table>
<tr><th>Description</th><th>I YEAR ACADEMIC SCHEDULE</th><th>II YEAR ACADEMIC SCHEDULE</th><th colspan="2">III YEAR ACADEMIC SCHEDULE</th></tr>
<tr><td></td><td></td><td></td><td>IT PLACEMENT</td><td>CORE PLACEMENT</td></tr>
<tr><td>IRS Courses 1</td><td><u>22EYA01 - Professional Communication I</u></td><td><u>22MAN07 - Soft / Analytical Skills IV (Verbal)</u></td><td><u>17EYZ04 - Employability Enhancement and Analytical Skills (Verbal)</u></td><td><u>IRS1 & IRS 2</u>
IRS 1 (NDT&E)
IRS 2 (RSE)</td></tr>
</table></td></tr>
</table>

	IRS Courses 2	22MAN02 - Soft / Analytical Skills I	22MAN08 - Soft / Analytical Skills IV (Aptitude)	17EYZ04 - Employability Enhancement and Analytical Skills (Aptitude)	Electric Vehicle Technology Training
	IRS Courses 3	NA	NA	17CSX31- Problem Solving and Programming	Aptitude
	IRS Courses 4	NA	NA	NA	Internship
Resolution	Resolved to record.				
Item 1.09	Any other matter : Nil				

Date: 20.12.2023
Place: Erode

20/12/23

CHAIRMAN-DAB
HEAD OF THE DEPARTMENT
DEPARTMENT OF MECHANICAL ENGINEERING,
NANDHA ENGINEERING COLLEGE
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