


NANDHA ENGINEERING COLLEGE

**(Autonomous)
ERODE- 638 052**

Department of Electrical and Electronics Engineering

MINUTES OF THE DEPARTMENT ADVISORY BOARD (DAB) MEETING

Name of the Body	DEPARTMENT ADVISORY BOARD (DAB)	
Department	Electrical and Electronics Engineering	
Meeting No.	01	2024-2025
Date & Time	20.12.2024 & 3.30 PM	
Mode	Online mode (Google meet) Link : https://meet.google.com/gnh-fnod-ftq	



NANDHA ENGINEERING COLLEGE
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ERODE- 638 052

Department of Electrical and Electronics Engineering

NEC/EEE/DAB-01/2024-25

DATE: 13-12-2024

CIRCULAR

Originator:

Chairman- DAB

Circulated to:

Members of DAB & All faculty members

Sub: DEPARTMENT ADVISORY BOARD (DAB) MEETING

The DAB meeting is scheduled on 20-12-2024 to discuss the agenda listed below. In this connection, all the DAB members are requested to attend the meeting.

Date & Time of Meeting: **20.12.2024 (03.30 PM)-Friday**

Mode: Online mode / ~~Offline mode~~

AGENDA of 1st DAB MEETING OF THE ACADEMIC YEAR 2024-2025	
Item 1.01	Review of the previous PAC meeting minutes
Item 1.02	Result Analysis and attainment of the even semester 2023-24, overall attainment of the 2024 pass out batch & review of target fixed for the I year (2024 - 2025 batch)
Item 1.03	Result and attainment analysis of 2 nd , 3 rd and 4 th year and action taken
Item 1.04	Discussion on Feedback collected - Class Committee Meeting (CCM), parents meeting, Alumni and Mid semester feedback (II, III & IV year) - reports, analysis and action taken
Item 1.05	Department plan to achieve the targets and its implementation
Item 1.06	Online courses for students (NPTEL, Infosys springboard, etc...)
Item 1.07	Placement status of IV years and training plan for III years
Item 1.08	Discussion on R22 curriculum, syllabi, new regulation and curriculum(R2025)
Item 1.09	Any other matter (if any)

To

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

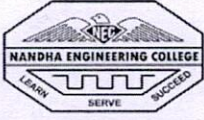


CHAIRMAN - DAB

Dr. G. Ramani

Professor & Head

Department of Electrical and Electronics Engineering
Nandha Engineering College (Autonomous)
Erode - 638 052, Tamil Nadu.



NANDHA ENGINEERING COLLEGE, ERODE – 638 052

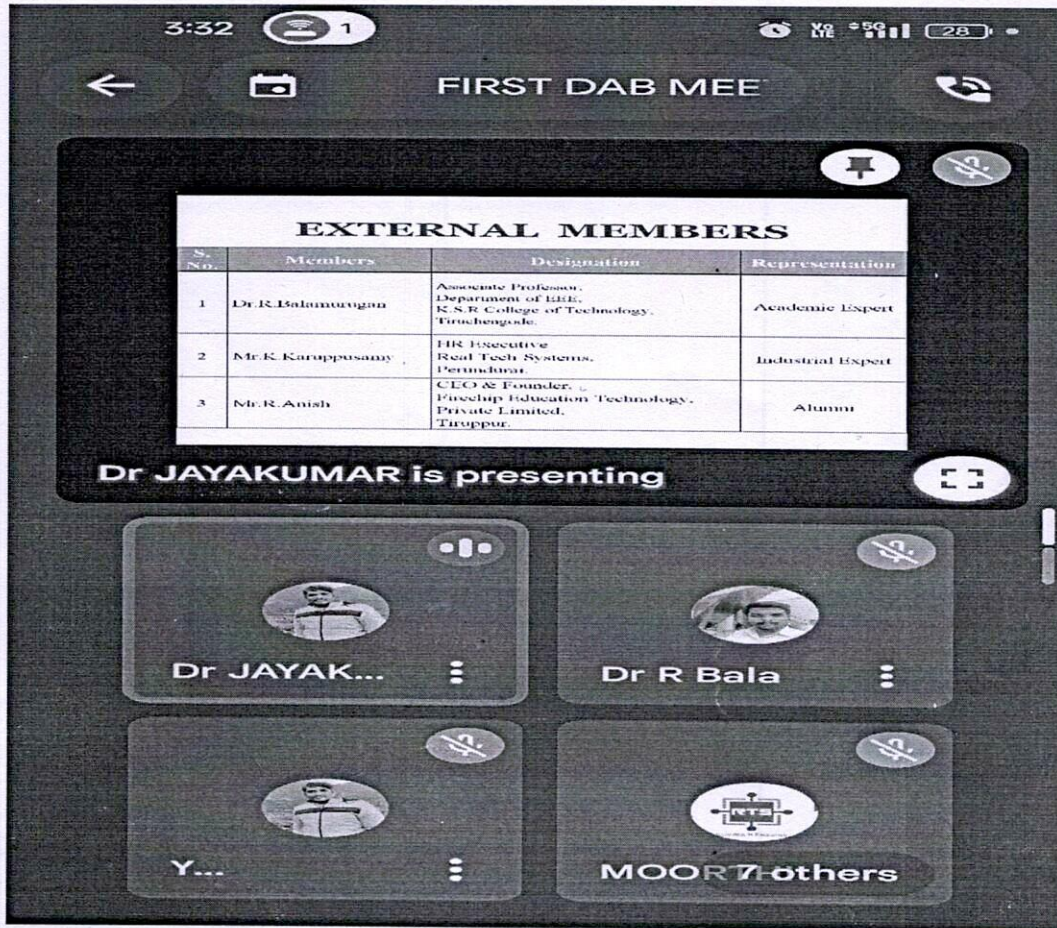
(An Autonomous Institution, Affiliated to Anna University Chennai and

Approved by AICTE New Delhi)

Department of Electrical and Electronics Engineering

DEPARTMENT ADVISORY BOARD (DAB)

Sl.No	Members	Signature
1	Dr. G.Ramani, Prof & HoD – Chairman - DAB	
2	External Members 1 : Academic Expert Dr.R.Balamurugan, Associate Professor, Department of EEE, K.S.R College of Technology, Tiruchengode.	
3	External Members 2 : Industry Expert Mr.K.Karuppusamy, HR Executive, Real Tech Systems, Perundurai.	
4	External Members 3 : Alumni Mr.R.Anish, CEO & Founder, Firechip Education Technology, Private Limited, Tiruppur.	
5	Dr. P.Jamuna, AsP / EEE	
6	Dr.T.Jayakumar, AsP/EEE	
7	Mr.M.Prabu, AP/EEE	
8	Mr.B.Ramraj. AP/EEE	
9	Mr.P.Krishnagandhi , AP/EEE	
10	Ms.R.Vijayalakshmi, AP/EEE	
11	Mr.V.Arunkumar, AP/EEE	
12	Ms.C.Pratheeba, AP/EEE	
13	Mr.V.Ravichandran, AP/EEE	
14	Ms.M.Manjula, AP/EEE	
15	Mr.B.Dhanush Kumar, III - EEE	



Date: 20.12.2024
Place: NEC



(Handwritten Signature)
CHAIRMAN-DAB
Dr.G.Ramani
Professor & Head
Department of Electrical and Electronics Engineering
Nandha Engineering College (Autonomous)
Erode - 638 052, Tamil Nadu.



NANDHA ENGINEERING COLLEGE

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Department of Electrical and Electronics Engineering

The Chairman DAB, Dr.G.Ramani, Professor & Head / EEE, welcomed the DAB members and internal members. The board considered various items of the agenda for discussion and the resolutions are given below:

Item 1.01	Review of the previous PAC meeting minutes																				
	Dr.G.Ramani, Chairman – DAB, presented previous PAC meeting minutes and ATR held on 24-9-2024																				
Item 1.02	Result Analysis and attainment of the even semester 2023-24, overall attainment of the 2024 pass out batch & review of target fixed for the I year (2024 - 2025 batch)																				
	Dr.G.Ramani, presented the result analysis of even semester 2023-2024																				
Discussion	<table border="1"><thead><tr><th>Year</th><th>Semester</th><th>Current Sem Pass Percentage</th><th>Overall Pass Percentage</th></tr></thead><tbody><tr><td>I [2023 - 2027]</td><td>II</td><td>67</td><td>65</td></tr><tr><td>II [2022 - 2026]</td><td>IV</td><td>66</td><td>66</td></tr><tr><td>III [2021 - 2025]</td><td>VI</td><td>69</td><td>64</td></tr><tr><td>IV [2022 - 2024]</td><td>VIII</td><td>97</td><td>92</td></tr></tbody></table>	Year	Semester	Current Sem Pass Percentage	Overall Pass Percentage	I [2023 - 2027]	II	67	65	II [2022 - 2026]	IV	66	66	III [2021 - 2025]	VI	69	64	IV [2022 - 2024]	VIII	97	92
	Year	Semester	Current Sem Pass Percentage	Overall Pass Percentage																	
	I [2023 - 2027]	II	67	65																	
	II [2022 - 2026]	IV	66	66																	
	III [2021 - 2025]	VI	69	64																	
IV [2022 - 2024]	VIII	97	92																		

Dr.G.Ramani, presented overall attainment of the 2024 pass out batch,

Overall Attainment of the 2024 pass out batch

Survey	PO ₁	PO ₂	PO ₃	PO ₄	PO ₅	PO ₆	PO ₇	PO ₈	PO ₉	PO ₁₀	PO ₁₁	PO ₁₂	PSO ₁	PSO ₂	PSO ₃	PSO ₄
Alumni Survey	2.63	2.82	2.66	2.87	2.62	2.67	2.84	2.72	2.77	2.75	2.67	2.82	2.78	2.62	2.65	2.82
Indirect Attainment	2.76	2.83	2.79	2.87	2.78	2.70	2.87	2.77	2.86	2.83	2.77	2.83	2.88	2.79	2.82	2.86
Overall Attainment	2.11	2.07	2.07	2.05	1.60	1.53	2.05	1.48	2.06	1.42	1.70	2.15	2.21	2.15	1.45	2.14
Percentage	70.24	69.03	69.01	68.18	53.40	50.93	68.18	49.36	68.77	47.17	56.67	71.83	71.03	68.95	42.53	68.18

- ✓ Target fixed for [2020-2024] Batch: 68
- ✓ POs that attained target level: 1,2,3,4,7,9 & 12.
- ✓ PSOs that attained target level: 1,2 & 4
- ✓ PO and PSO needed improvement: PO5,6,8,10&11, PSO3.

Dr.G.Ramani, presented the target fixed for the I year (2024 - 2025 batch),

Target fixed for the I year [2024-2028] Batch :

- ✓ Target fixed as 70% for the I year [2024-28] Batch.

Resolution Members resolved to record the above discussion points and put forth before BoS meeting for approval

Item 1.03 Result and attainment analysis of 2nd, 3rd and 4th year and action taken

Discussion

Dr.G.Ramani, presented the Result and attainment analysis of 2nd, 3rd and 4th year and action taken
IV Sem (2022-26)

S. No	Course Code	Course Title	Faculty Member	Pass %	CO1	CO2	CO3	CO4	CO5
1	22EEEC09	Electrical Machines-II	Ms.R.Vijayalakshmi	92	55	59	50	66	75
2	22EEEC10	Analog Integrated circuits	Ms.K.Sathyasree	93	55	51	58	60	66
3	22EEEC11	Power Generation, Transmission and Distribution	Mr.P.Krishnagandhi	98	66.6	33.3	66.6	66.6	66.6
4	22EEEC12	Measurements and Instrumentation	Mr.M.Prabu	85	33.0	67.0	33	33	67
5	22EEEC13	Microprocessor and Microcontroller	Ms.C.Pratheeba	81	66	39	51	44	55
6	22CYB06	Environmental Science and Sustainability	Dr.M.Myilsamy	93	33	40	33	40	33
7	22EEP04	Electrical Machines-II Laboratory	Ms.R.Vijayalakshmi, Mr.B.Ramraj	100	100	100	100	100	100
8	22EEP05	Analog and Digital Integrated Circuits Laboratory	Ms.K.Sathyasree, Mr.M.Prabu	100	100	100	100	100	100
9	22EEP06	Microprocessor and Microcontroller Laboratory	Ms.C.Pratheeba, Mr.M.Prabu	98	100	100	100	100	100
10	22MAN08	Soft/Analytical Skills - IV	Dr.M.Mythili, Ms.A.Megala	93	NA	NA	NA	NA	NA
11	22GED01	Personality and Character Development	Ms.A.Megala	100	NA	NA	NA	NA	NA
12	22EEI01	PLC Automation	Mr.V.Ravichandran	100	NA	NA	NA	NA	NA
13	OCEE008	Problem Solving Through programming in C	Dr.P.Jamuna	100	NA	NA	NA	NA	NA

VI Sem (2021-25)

S.No	Course Code	Course Title	Faculty Member	Pass %	CO1	CO2	CO3	CO4	CO5
1	17EEC15	Power System Analysis	Dr.P.JAMUNA	93	76	75	69	72	75
2	17EEC16	Microprocessor and Microcontroller	Mr.B.RAMRAJ	96	69	71	67	72	59
3	17GEA02	Principles of Management	Ms.M.MANJULA	94	75	73	66	71	67
4	17EEX11	Bio Medical Instrumentation and its Applications	Ms.R.VIJAYALAKSHMI	96	79	74	79	86	65
5	17EEX13	Power Electronics for Renewable Energy Systems	Dr.P.JAMUNA	98	78	79	71	77	80
6	17EEX18	Power Quality	Mr.V.RAVICHANDRAN	96	58	43	54	64	71
7	17EEP08	Microprocessor and Microcontroller Laboratory	Mr.B.RAMRAJ	98	100	100	100	100	100
8	17GED06	Comprehension	Mr.V.RAVICHANDRAN	72	NA	NA	NA	NA	NA
9	17GED07	Constitution of India	Mr.S.ELANGO	100	NA	NA	NA	NA	NA

VIII Sem (2022-24)

S.No	Course Code	Course Title	Faculty Member	Pass %	CO1	CO2	CO3	CO4	CO5
1	17EEX22	FUNDAMENTALS OF ELECTRIC POWER UTILIZATION	Mr.V.RAVICHANDRAN	100	47.6	51.8	66.4	54.4	65
2	17CEZ03	BUILDING SERVICES	Mr.M.K.KAMALAKANNAN	97	73.1	63.2	70.9	63.7	43.2
3	17MEZ04	VALUE ENGINEERING	Dr.M.MUTHUKUMAR	95	65.5	55	65.5	69.8	44
4	17EED02	PROJECT WORK II	Dr.P.JAMUNA	98	45.1	44.8	44.2	45.2	44.7
5	OCEC005	INTRODUCTION TO INTERNET OF THINGS	Dr.P.JAMUNA	100	NA	NA	NA	NA	NA
6	OCEE006	CONSERVATION GEOGRAPHY	Dr.P.JAMUNA	100	NA	NA	NA	NA	NA

Resolution Resolved to record

Item 1.04

Discussion on Feedback collected - Class Committee Meeting (CCM), parents meeting, Alumni and Mid semester feedback (II, III & IV year) - reports, analysis and action taken

Dr. G. Ramani presented a comprehensive report summarizing the feedback collected through various channels:

Class Committee Meeting (CCM):

- Feedback on course delivery, syllabus coverage, and teaching methodologies was highlighted.

Parent Meetings:

- Parents expressed satisfaction with the academic and extracurricular progress of their ward
- Some parents suggested improving communication regarding placement activities and additional counseling sessions for career guidance.

Alumni Feedback:

- Alumni suggested revising the curriculum to include more industry-relevant skills, especially in emerging technologies.

Discussion

Mid-Semester Feedback (II, III, IV Year):

S.No	Department of the Faculty	Faculty Name	Course code & Title	Overall average score	Action Taken by HOD / Principal	Remarks
1.	IT	Mr.R.Klothungasuryapandi	22ITP04 - Java Programming Laboratory (Full Autonomy & PBL)	3.62	Pair faculty members with experienced mentors to guide them in improving their teaching skills	Below target level

Resolution Resolved to approve and recorded.

Item 1.05 Department plan to achieve the targets and its implementation

Discussion Dr. G. Ramani – Chairman DAB, enumerated the department activities planned for (2024-2025) odd semester

Odd Semester

Month	Date	ACTIVITY CONDUCTED
September	04.09.24	Academic Seminar on Innovations In Drone Technology
September	04.10.24	Industry Seminar on Emerging Technologies in Power Sector
October	26.10.24	Inter Department Events 2024
November	16.11.24	Workshop on Gearing up an idea to product

Resolution	Resolved to approve the list of activities.																																							
Item 1.06	Online courses for students (NPTEL, Infosys springboard, etc...)																																							
Discussion	<p>Dr. G. Ramani, presented a detailed report on the students who successfully completed the NPTEL online courses during the academic year. She highlighted the following:</p> <ol style="list-style-type: none"> 1. The number of students enrolled and those who cleared the courses with certification. 2. Students who achieved Elite, Elite + Silver, Elite + Gold and Successfully Completed category certifications. 3. The efforts taken by the department to encourage participation in NPTEL courses, including mentorship and guidance provided by faculty members. 																																							
	<table border="1"> <thead> <tr> <th rowspan="2">S. No</th> <th rowspan="2">Year</th> <th rowspan="2">No. of Students Attended</th> <th colspan="4">Certificate Type (Count)</th> </tr> <tr> <th>Elite + Gold</th> <th>Elite + Silver</th> <th>Elite</th> <th>Successfully Completed</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>IV</td> <td>8</td> <td>2</td> <td>2</td> <td>3</td> <td>1</td> </tr> <tr> <td>2</td> <td>III</td> <td>67</td> <td>–</td> <td>10</td> <td>41</td> <td>16</td> </tr> <tr> <td>3</td> <td>II</td> <td>27</td> <td>–</td> <td>2</td> <td>9</td> <td>16</td> </tr> <tr> <td colspan="2">TOTAL</td> <td>102</td> <td>2</td> <td>14</td> <td>53</td> <td>33</td> </tr> </tbody> </table>	S. No	Year	No. of Students Attended	Certificate Type (Count)				Elite + Gold	Elite + Silver	Elite	Successfully Completed	1	IV	8	2	2	3	1	2	III	67	–	10	41	16	3	II	27	–	2	9	16	TOTAL		102	2	14	53	33
	S. No				Year	No. of Students Attended	Certificate Type (Count)																																	
		Elite + Gold	Elite + Silver	Elite			Successfully Completed																																	
	1	IV	8	2	2	3	1																																	
2	III	67	–	10	41	16																																		
3	II	27	–	2	9	16																																		
TOTAL		102	2	14	53	33																																		
<p>Dr. Ramani congratulated the students for their hard work and dedication in completing these courses, which enhance their technical and professional skills. She also appreciated the faculty members for their support in motivating the students to pursue these certifications.</p> <p>The Department Advisory Board members unanimously congratulated the students for the commendable achievements and emphasized the importance of such initiatives in improving employability and academic excellence.</p>																																								
Resolution	Resolved to approve and record the performance.																																							
Item 1.07	Placement status of IV years and training plan for III years																																							

Dr.G.Ramani, presented the Placement status of Final Year (2021-2025 batch) and training plan for III years (2022 – 2026) batch.

CORE:

No. of willing – 37

No. of Placed – 7

IT:

No. of willing – 8

No. of Placed – 1

Students and training plan for 2022-2026 batch students :

✓Placement Training starts from 29-12-2024 onwards

Resolution Resolved to approve and record the performance.

Item 1.08 Discussion on R22 curriculum, syllabi, new regulation and curriculum(R2025)

Dr. G. Ramani presented the detailed curriculum for the R22 regulations, focusing on the list of Open Elective and Minor Degree courses along with their respective syllabus.

OPEN ELECTIVE

OPEN ELECTIVES									
SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	PRE-REQUISITE	CONTACT PERIODS	L	T	P	C
THEORY									
1.	22EEZ01	Smart Grid	OEC	-	3	3	0	0	3
2.	22EEZ02	Renewable Energy Technology	OEC	-	3	3	0	0	3
3.	22EEZ03	Electric Vehicle	OEC	-	3	3	0	0	3
4.	22EEZ04	Energy Management and Auditing	OEC	-	3	3	0	0	3

Discussion

MINOR DEGREE COURSES

MINIOR DEGREE									
ELECTRICAL SYSTEMS									
SL. NO	COURSE CODE	COURSE TITLE	CATEGORY	PRE-REQUISITE	CONTACT PERIODS	L	T	P	C
THEORY									
1.	22EEM01	Electric Circuits	OEC	-	3	3	0	0	3
2.	22EEM02	Solid State Devices	OEC	-	3	3	0	0	3
3.	22EEM03	Power Semiconductor devices	OEC	-	3	3	0	0	3
4.	22EEM04	Electrical measurements and Instruments	OEC	-	3	3	0	0	3
5.	22EEM05	Basics of Electrical Machines	OEC	-	3	3	0	0	3
6.	22EEM06	Electric Drives	OEC	-	3	3	0	0	3

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Approved by Tenth Academic Council

7.	22EEM07	Power Systems	OEC	-	3	3	0	0	3
8.	22EEM08	Renewable Energy Systems	OEC	-	3	3	0	0	3

Resolution	Members resolved to record the above and put forth before BoS meeting for the approval.
Item 1.09	Any other matter (if any)
Discussion	Dr. G. Ramani presented a report on students who were debarred or discontinued their studies during the odd semester of the academic year 2024–2025
Resolution	Resolved to record.