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

MINUTES OF THE DEPARTMENT ADVISORY BOARD-I (DAB-I) MEETING

The 1st DAB meeting was held on 30.11.2023 at 10.30 A.M in Block IV- 305

The Chairman of the DAB, Dr.G.RAMANI, welcomed the members for the meeting. Then, the items listed below were taken for discussion.

	AGENDA
Item 1.01	Review of the previous PAC meeting minutes.
Item 1.02	Result Analysis and attainment of the even semester 2022-23, overall attainment of the 2023 pass out batch & fix target for the I year (2023 - 2024 batch).
Item 1.03	Result and attainment analysis of 2nd, 3rd and 4th year, 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 academic plan and activities.
Item 1.06	First year student admission.
Item 1.07	Online courses for students (NPTEL, Infosys Springboard, etc...)
Item 1.08	IRS course details, Placement status of IV years and training plan for III years.
Item 1.09	Any other matter (if any)

Item 1.01	Review of Previous PAC Meeting minutes
	- Discussed result Analysis and attainment of the even semester 2022-23, overall attainment of the 2023 pass out batch & fix target for the I year (2023-2027 batch). - Discussed CAT I and CAT II Result and attainment analysis of 3rd year, identification of slow learners and corrective actions, advanced learners and activities for the advanced learners. - Discussed Proctor meeting minutes and action taken reports. - Discussed department academic plan and activities. - Discussed First year Student admission. - Discussed Placement status of IV years, training schedule and performance of the student in IRS subjects of III years and II year IRS subject list and schedule.
Item 1.02	Result Analysis and attainment of the even semester 2022-23, overall attainment of the 2023 pass out batch & fix target for the I year (2023 - 2024 batch).

Discussion

Year	Semester	Pass Percentage
I [2022 - 2026]	II	80%
II [2021 - 2025]	IV	83%
III [2020 - 2024]	VI	93%

Overall Attainment of 2023 Pass Out Batch:

The target fixed for 2023 passed out batch is 67%.
PO1, PO2, PO3, PO4, PO8, PO11, PO12, PSO1, PSO2, PSO4 attained above target level PO5, PO6, PO7, PO9, PO10, PSO3 not attained target attainment level of 67%.

ACTION TAKEN

PO5:

- Workshops/ Value-added courses are being conducted to enhance the usage of modern tool.
- Students are motivated to attend webinars/ seminars/ workshops/ courses regarding modern tool usage.

PO6:

- Students are motivated to visit industry to expand their practical knowledge with the effect of improved practices in engineering aspects.
- Students are to be exposed to various professional engineering practices followed in the industries through industrial visits. Students are encouraged to do projects in core area companies.

PO7:

- Students are encouraged to participate in programs on global and environmental issues.
- Students are engaged in tree plantation and other social activities through PCD activities to understand environmental impacts.

					PO9:

PO9:

- Students are encouraged to participate in inter/ intra college technical competitions, coding contests and Hackathons.
- Students are motivated to take part actively in department specific club.
- Students are encouraged to participate in various co-curricular and extra-curricular activities in other colleges.
- Students are encouraged to organize/ participate in National Level Technical Symposium and Innovation Day.

PO10:

- The employability skills of the students are enhanced by conducting events like career development, higher studies, and entrepreneurship development.
- Students are motivated to take part actively in department specific club.
- Regular online interaction sessions are arranged with the Alumni before the placement drive.

PSO3:

- Industrial Visits to manufacturing and service-related companies are organized, so that they can design, analyze and find solution which gives exposure to latest technologies.
- One Credit Course/Value added course on creating a prototype model for various applications.

➤ Target fixed as **70%** for the I year [2023-27] Batch.

Resolution	Resolve to accept the action taken report for not attained PO and PSO.
Item 1.03	Result and attainment analysis of 2nd, 3rd and 4th year, identification of slow learners and corrective actions, advanced learners and activities for the advanced learners.

II SEM RESULT: OVER ALL PASS PERCENTAGE:80%

Discussion

SUBJECT NAME	NAME OF THE FACULTY	NO OF STUDENTS APPEARED	NO OF STUDENTS PASSED	NO OF STUDENTS FAIL	PASS PERCENTAGE	TARGET CO ATTAINMENT FIXED (in percentage)	ACHIEVED COURSE OUTCOME(CO) ATTAINMENT (in percentage)				
							CO1	CO2	CO3	CO4	CO5
22EYA02-Professional Communication- II	Dr.M.MYTHILI	49	43	6	88	70	60	50	50	40	43
22MYB03-Statistics and Numerical methods	Ms.A.MEGALA	49	44	5	90	70	82	80	72	80	74
22PYB03-Solid State Physics	Dr.J.MOBIKA	49	45	4	92	70	76	75	72	97	98
22CSC02-Data structures using C	Mr.R.RAGUNATH	49	44	5	90	70	83	82	63	81	82
22EEC03-Electric Circuit Theory	Mr.S.ELANGO	49	44	5	90	70	92	68	87	95	75
22GYA02-Tamils and Technology	Dr.T.JAYAKUMAR	49	49	0	100	NA					
22CSP02-Data structures Laboratory	Mr.R.RAGUNATH	48	47	1	98	70	98	99	99	98	98
22PYP01-Physics Laboratory	Dr.T.JAYANALINA, Dr.J.MOBIKA	49	49	0	100	70	98	99	99	98	98
22EEP01-Electric Circuits Laboratory	Mr.P.KRISHNAGANDHI	48	48	0	100	70	99	99	99	99	99
22MAN04-Soft/Analytical Skills - II	Ms.M.MADHUMITHA, Ms.A.MEGALA, Ms.M.MANJULA	49	49	0	100	NA					
22MAN05-Yoga - II	Mr.V.ARUN KUMAR	49	49	0	100						

IV SEM RESULT: OVER ALL PASS PERCENTAGE:83%

SUBJECT CODE	SUBJECT NAME	NAME OF THE FACULTY	NO OF STUDENTS APPEARED	NO OF STUDENTS PASSED	NO OF STUDENTS ABSENT & FAIL	PASS PERCENTAGE	TARGET CO ATTAINMENT FIXED (in percentage)	ACHIEVED COURSE OUTCOME(CO) ATTAINMENT (in percentage)				
								CO1	CO2	CO3	CO4	CO5
17MYB10	Probability, Statistics & Numerical Methods	Ms.A.MEGALA	59	53	6	90	70	87	70	83	61	54
17EEC07	Electrical Machines-II	Ms.R.VIJAYALAKSHMI	59	54	5	92	70	69	64	66	70	47
17EEC08	Linear Integrated Circuits	Mr.V.ARUN KUMAR	59	57	2	97	70	70	60	59	36	70
17EEC09	Digital Logic Circuits	Dr.G.RAMANI	59	56	3	95	70	66	68	54	63	54
17EEC10	Transmission and Distribution	Mr.P.KRISHNA GANDHI	59	56	3	95	70	69	69	61	73	73
17EEX01	Fundamentals of Fiber Optics and Laser Instrumentation	Dr.T.JAYAKUMAR	19	18	1	95	70	60	53	58	51	59
17ITC08	Fundamentals of JAVA Programming	Ms.R.SARANYA	41	40	1	98	70	68	68	66	63	65
17EEP04	Electrical Machines-II laboratory	Ms.R.VIJAYALAKSHMI	59	56	3	95	70	55	55	55	55	55
17EEP05	Linear and Digital Integrated Circuits Laboratory	Mr.V.ARUN KUMAR	59	59	0	100	70	91	91	91	91	91

VI SEM RESULT: OVER ALL PASS PERCENTAGE:93%

SUBJECT CODE	SUBJECT NAME	NAME OF THE FACULTY	NO OF STUDENTS APPEARED	NO OF STUDENTS PASSED	NO OF STUDENTS ABSENT & FAIL	PASS PERCENTAGE	TARGET CO ATTAINMENT FIXED (in percentage)	ACHIEVED COURSE OUTCOME(CO) ATTAINMENT (in percentage)				
								CO1	CO2	CO3	CO4	CO5
17GEA03	TOTAL QUALITY MANAGEMENT	Mr.S.ELANGO	60	59	1	98	72	74	74	83	67	75
17EEC15	POWER SYSTEM ANALYSIS	Dr.P.JAMUNA	60	58	2	97	70	88	73	68	87	87
17EEC16	MICROPROCESSOR AND MICROCONTROLLER	Ms.C.PRATHEEBA	60	59	1	98	70	72	70	74	58	44
17EEX11	BIO MEDICAL INSTRUMENTATION AND ITS APPLICATIONS	Ms.R.VIJAYALAKSHMI	34	34	0	100	70	66	66	60	51	60
17EEX13	POWER ELECTRONICS FOR RENEWABLE ENERGY SYSTEMS	Dr.P.JAMUNA	34	34	0	100	75	88	88	68	86	71
17EEX18	POWER QUALITY	Mr.V.RAVICHANDRAN	34	34	0	100	70	69	62	64	72	60
17CSX31	PROBLEM SOLVING AND PROGRAMMING	Ms.N.M.INDUMATHI	26	26	0	100	70	90	90	91	88	89
17EYX01	EFFECTIVE COMMUNICATION	Ms.N.M.INDUMATHI	26	26	0	100	70	90	90	92	91	90
17EYZ04	EMPLOYABILITY ENHANCEMENT AND ANALYTICAL SKILLS	Ms.N.M.INDUMATHI	26	26	0	100	70	73	74	81	81	80
17EEP08	MICROPROCESSOR AND MICROCONTROLLER LABORATORY	Ms.C.PRATHEEBA	60	60	0	100	75	93	93	93	93	NA
17GED06	COMPREHENSION	Dr.T.JAYAKUMAR	60	60	0	100						
17EEI02	PLC AUTOMATION	Mr.V.RAVICHANDRAN	28	28	0	100		NA				
17GED07	CONSTITUTION OF INDIA	Mr.S.ELANGO	60	60	0	100						

Slow learners : Initiatives taken:

- Discussed on the Barriers he/she faced while studying,
- Advised to clear the backlogs.
- Periodic tests, assignments given by faculties.
- Periodic Monitoring of their activities.

	• Asked about the difficulties faced in the subjects. Given ideas for the improvement and Insisted about regularizing the study hours and continuous improvement. • Advised to attend classes regularly and follow the instructions properly **Bright Students: Activities Conducted:** • Guidance provided to do online courses. • Encouraged to do journal, patent publications. Motivated for innovation and product development and concentrate more on placement.
Resolution	Resolve to accept and Expert members suggested the faculty members to train the students by giving assignment, special coaching, and class test to achieve the individual subject course outcome attainment with individual subject attainment target fixed.
Item 1.04	Class Committee Meeting (CCM) reports and action taken.
Discussion	No complaints were received in class committee meeting.
Resolution	Resolve to accept the reports of class committee.
Item 1.05	Department academic plan and activities.
Discussion	(see table below)
Resolution	Resolved to follow.
Item 1.06	First year student admission
Discussion	(see tables below)

EVENTS	CONDUCTED DATES
Academic Seminar on Energy Audit	05.08.2023
Workshop on Embedded C	19.08.2023
Industry Seminar on Driving The Future E-Mobility Enhanced With Embedded Automation	07.11.2023

Total Number of Students admitted = 56/60

Government Quota	Management Quota
32	24

Resolution	Resolved to record.			
Item 1.07	Online courses for students (NPTEL, Infosys Springboard, etc…)			

	Online Course	Name of the Course	No. of Students Registered	No. of Students Attended	No. of Students Passed
Discussion	NPTEL	Introduction to Internet of Things	10	6	6
		Conservation Geography	7	3	3

Resolution	Resolved to record.
Item 1.08	IRS course details, Placement status of IV years and training plan for III years. IRS course details, Placement status of IV years and training plan for III years.

Discussion

Year	Communication/ Verbal Slot	Aptitude & Reasoning Slot	Programming Slot
I	DATE: 17.10.2023 - 1.11.2023 (10 Days)	DATE: 23.11.2023 - 04.12.2023 (10 Days)	DATE: 12.12.2023 - 02.01.2024 (15 Days)
II	DATE: 02.12.2023 - 07.12.2023 (5 Days)	DATE: 08.12.2023 - 21.12.2023 (10 Days)	DATE: 04.10.2023 - 31.10.2023 (20 Days)
III	DATE: 29.09.2023 - 16.10.2023 (10 Days)	DATE: 21.09.2023 - 27.09.2023 (5 Days) 17.10.2023 - 21.10.2023 (5 Days)	DATE: 01.11.2023 - 25.11.2023 (20 Days)

Resolution	Resolved to record.
Item 1.09	Any other Matter.
Discussion	Nil

Date:27.12.2023
Place: NEC

CHAIRMAN
DAB/EEE

27.12.23