

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

ACADEMIC YEAR 2023-2024

MINUTES OF THE PROGRAMME ASSESSMENT COMMITTEE (PAC-III) MEETING

The 3rd PAC meeting was held on 05.04.2024 at 4.30 P.M in Block IV-305

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

AGENDA	
Item 3.01	Review of the previous PAC meeting minutes
Item 3.02	Result Analysis and attainment of 2023-2024 ODD semester
Item 3.03	CAT Examination result and attainment of third year, identification of slow learners and corrective actions.
Item 3.04	Class Committee Meeting (CCM) reports and action taken.
Item 3.05	Placement status of IV year (2024 batch) students and training plan for 2021-2025 batch students
Item 3.06	R22 curriculum, syllabus modification and Vertical Subjects
Item 3.07	Any other information

The proceedings of PAC started and the minutes of the meeting are recorded as follows:

Item 3.01	Review of the previous PAC meeting minutes																																																																																		
Discussion	<ul style="list-style-type: none"> • Discussion of Student Co-curricular activities • Discussion of Placement Status • Discussion of Steps to be taken for arrear students to clear all subjects • Discussion of NPTEL Completion Status of faculty members. • Discussion of Syllabus modification 																																																																																		
Item 3.02	Discussion on Result Analysis and attainment of 2023-2024 ODD semester																																																																																		
Discussion	<u>Result Analysis</u> <table border="1" style="margin: 10px auto;"> <thead> <tr> <th>Year</th> <th>Semester</th> <th>Pass Percentage</th> </tr> </thead> <tbody> <tr> <td>I [2023 - 2027]</td> <td>I</td> <td>83%</td> </tr> <tr> <td>II [2022 - 2026]</td> <td>III</td> <td>83%</td> </tr> <tr> <td>III [2021 - 2025]</td> <td>V</td> <td>83%</td> </tr> </tbody> </table> <p>Dr.G.Ramani discussed the pass percentage of all subjects in this meeting. Pass percentage of all subjects is good</p> <p>IV YEAR</p> <table border="1" style="margin: 10px auto;"> <thead> <tr> <th>SUBJECT CODE</th> <th>SUBJECT NAME</th> <th>NAME OF THE FACULTY</th> <th>NO OF STUDENTS APPEARED</th> <th>NO OF STUDENTS PASSED</th> <th>NO OF STUDENTS ABSENT & FAIL</th> <th>PASS PERCENTAGE</th> </tr> </thead> <tbody> <tr> <td>17EEC17</td> <td>ELECTRIC DRIVES AND CONTROL</td> <td>Dr.P.JAMUNA</td> <td>61</td> <td>61</td> <td>0</td> <td>100</td> </tr> <tr> <td>17EEC18</td> <td>POWER SYSTEM PROTECTION AND SWITCH GEAR</td> <td>Ms.R.VIJAYALA KSHMI</td> <td>61</td> <td>60</td> <td>1</td> <td>98</td> </tr> <tr> <td>17EEC19</td> <td>PRINCIPLES OF EMBEDDED SYSTEMS</td> <td>Mr.V.RAVICHAN DRAN</td> <td>61</td> <td>60</td> <td>1</td> <td>98</td> </tr> <tr> <td>17EEC20</td> <td>POWER SYSTEM OPERATION AND CONTROL</td> <td>Mr.B.RAMRAJ</td> <td>61</td> <td>60</td> <td>1</td> <td>98</td> </tr> <tr> <td>17TZ06</td> <td>DATASTRUCTURES USING C</td> <td>Mr.V.ARUNKUMAR</td> <td>17</td> <td>17</td> <td>0</td> <td>100</td> </tr> <tr> <td>17EEX42</td> <td>INTERNSHIP</td> <td>Dr.P.JAMUNA</td> <td>44</td> <td>44</td> <td>0</td> <td>100</td> </tr> <tr> <td>17EEP09</td> <td>POWER SYSTEM SIMULATION LABORATORY</td> <td>Mr.P.KRISHNAG ANDHI</td> <td>61</td> <td>61</td> <td>0</td> <td>100</td> </tr> <tr> <td>17EED01</td> <td>PROJECT WORK I</td> <td>Dr.P.JAMUNA</td> <td>61</td> <td>61</td> <td>0</td> <td>100</td> </tr> <tr> <td>17EEI03</td> <td>SCADA AUTOMATION</td> <td>Mr.V.RAVICHAN DRAN</td> <td>28</td> <td>28</td> <td>0</td> <td>100</td> </tr> </tbody> </table> <p>III YEAR</p>	Year	Semester	Pass Percentage	I [2023 - 2027]	I	83%	II [2022 - 2026]	III	83%	III [2021 - 2025]	V	83%	SUBJECT CODE	SUBJECT NAME	NAME OF THE FACULTY	NO OF STUDENTS APPEARED	NO OF STUDENTS PASSED	NO OF STUDENTS ABSENT & FAIL	PASS PERCENTAGE	17EEC17	ELECTRIC DRIVES AND CONTROL	Dr.P.JAMUNA	61	61	0	100	17EEC18	POWER SYSTEM PROTECTION AND SWITCH GEAR	Ms.R.VIJAYALA KSHMI	61	60	1	98	17EEC19	PRINCIPLES OF EMBEDDED SYSTEMS	Mr.V.RAVICHAN DRAN	61	60	1	98	17EEC20	POWER SYSTEM OPERATION AND CONTROL	Mr.B.RAMRAJ	61	60	1	98	17TZ06	DATASTRUCTURES USING C	Mr.V.ARUNKUMAR	17	17	0	100	17EEX42	INTERNSHIP	Dr.P.JAMUNA	44	44	0	100	17EEP09	POWER SYSTEM SIMULATION LABORATORY	Mr.P.KRISHNAG ANDHI	61	61	0	100	17EED01	PROJECT WORK I	Dr.P.JAMUNA	61	61	0	100	17EEI03	SCADA AUTOMATION	Mr.V.RAVICHAN DRAN	28	28	0	100
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17EEC11	Measurements and Instrumentation	Ms.C.PRATHEEBA	58	54	4	93
17EEC12	Control Systems	Mr.V.RAVICHANDRAN	58	56	2	96
17EEC13	Power Electronics	Ms.R.VIJAYALAKSHMI	57	57	1	100
17EEC14	Communication Engineering	Mr.M.PRABU	58	56	2	96
17ITX37	Problem Solving using JAVA	Ms.S.SRIABIRAMI	58	47	11	81
17EYZ04	Employability Enhancement and Analytical Skills	Mr.V.ARUNKUMAR Ms.C.PRATHEEBA	58	54	4	93
17EEP06	Control and Instrumentation Laboratory	Mr.V.RAVICHANDRAN	58	58	0	100
17EEP07	Power Electronics Laboratory	Ms.R.VIJAYALAKSHMI	57	56	1	98
17GED08	essence of Indian traditional knowledge	Dr.P.JAMUNA	58	58	0	100
17EEP06	PLC Automation	Mr.V.RAVICHANDRAN	58	59	0	100

II YEAR

SUBJECT NAME	NAME OF THE FACULTY	NO OF STUDENTS APPEARED	NO OF STUDENTS PASSED	NO OF STUDENTS FAIL	PASS PERCENTAGE
22MYB07-Probability and Complex Functions	Ms.A.Megala	60	58	2	97
22EEC05-Electronic Devices and Circuits	Mr.V.Arunkumar	60	56	4	93
22EEC06-Electrical Machines-I	Mr.B.Ramraj	60	52	8	87
22EEC07-Electromagnetic Fields	Mr.M.Prabu	60	57	3	95
22EEC08-Digital Logic Circuits	Dr.G.Ramani	60	58	2	97
22ITC06-Java Programming	Ms.R.Saranya	60	57	3	95
22EEP02-Electronics Devices and Circuits Laboratory	Ms.C.Pratheeba, Ms.K.Sathyasree	59	59	0	100
22EEP03-Electrical Machines-I Laboratory	Mr.B.Ramraj	59	59	0	100
22ITP04-Java Programming Laboratory	Ms.R.Saranya	60	60	0	100
22MAN07-Soft / Analytical Skills- III	Dr.M.Mythili	60	60	0	100
22MAN09-Indian Constitution	Ms.M.Manjula	60	59	1	98

Resolution	Resolve to approve the action taken report for arrear students
Item 3.03	Discussion on CAT Examination result and attainment of third year, identification of slow learners and corrective actions.
Discussion	The CAT result for III year subjects was discussed.

SUBJECT CODE	SUBJECT NAME	NAME OF THE FACULTY	NO OF STUDENTS APPEARED	NO OF STUDENTS PASSED	PASS PERCENTAGE	ATTAINMENT			
						TARGET FIXED	CO1	CO2	CO3
17EEC15	Power System Analysis	Dr.P.JAMUNA	59	39	66	70	57	59	19
17EEC16	Microprocessor and Microcontroller	Mr.B.RAMRAJ	59	48	81	75	75	56	58
17GEA02	Principles of Management	Ms.M.MANJULA	58	45	82	70	60	60	43
17EEX11	Bio Medical Instrumentation and its Applications	Ms.R.VIJAYA LAKSHMI	59	25	42	70	68	50	46
17EEX13	Power Electronics for Renewable Energy Systems	Dr.P.JAMUNA	59	40	68	75	51	53	45
17EEX18	Power Quality	Mr.V.RAVICH ANDRAN	59	51	86	70	72	59	53
17GED07	Constitution of India	Mr.S.ELANGO	59	55	93	0	0	0	0

- The pass percentage in CAT I is 37%. The slow learners are identified and assignments were given in the low attainment of corresponding subjects.
- The advanced learners were identified and permitted to attend the co curricular and extracurricular activities in reputed colleges.

NANDIA ENGINEERING COLLEGE, ERODE - 52
 (AUTONOMOUS)
 DEPARTMENT OF EEE
 ACADEMIC YEAR 2023 - 2024 EVEN SEMESTER
 III YEAR/ VI SEMESTER
 CAT I RESULT ANALYSIS - ACTION TAKE REPORT

SNO	SUBJECT CODE	SUBJECT NAME	NAME OF THE FACULTY	ACTION TAKEN REPORT
1	17EEC15	Power System Analysis	Dr.P.JAMUNA	The failed students were lacked in problem solving. So the revision class was conducted for problem solving and test were conducted for failure students.
2	17EEC16	Microprocessor and Microcontroller	Mr.B.RAMRAJ	Discuss for CAT-I question paper and conduct the test for failure students.
3	17GEA02	Principles of Management	Ms.M.MANJULA	The failed students were not concentrated on two-mark questions. So, I gave important questions for the CAT-I Portion and explained that questions and test has been conducted.
4	17EEX11	Bio Medical Instrumentation and its Applications	Ms.R.VIJAYALAKSHMI	The revision class and improvement test were conducted.
5	17EEX13	Power Electronics for Renewable Energy Systems	Dr.P.JAMUNA	The failure students were lacking in power electronic symbol drawing and keyword writing. The coaching class and improvement test were conducted for failure students.
6	17EEX18	Power Quality	Mr.V.RAVICHANDRAN	To provide essential questions for failing students, a test was conducted


 ACADEMIC COORDINATOR


 HOD

Resolution	Resolve to approve the action taken report for slow learners and identification of advanced learners.
Item 3.04	Discussion on Class Committee Meeting (CCM) reports and action taken.

26.12.2023

Action Taken Report for CCM Feedback

Discussion

S. No	Class	Feedback	Work Status(completed, In progress)	Remarks
1	II BE EEE	1. Students were requested for need extra time to pay miscellaneous fees	Extra time was given	Informed to Concern Students.

Prabu
 CCM In-charge
 (M. Prabu)
 26/12/23

W
 HoD/EEE
 27/12/23

[Signature]
 Principal

Resolution Resolve to accept .

Item 3.05 Discussion on Placement status of IV year (2024 batch) students and training plan for 2021-2025 batch students

Discussion

S. No	Name of the Company	No. of Students Placed
1	LOGSKIM (2.16 LPA)	7
2	ITC INFO TECH (4.25 LPA)	1
3	REAL TECH (1.5 LPA)	4
4	MOBI TECH(1.5 LPA)	1
5	DOMEX (2.2 LPA)	1
6	WONJIN (1.8 LPA)	7
7	ACCENTURE (4.6 LPA)	1
8	ILM (3 LPA)	1
9	DIGITAL EPCS (3 LPA)	1
10	HONEY ICONICS (2.5 LPA)	1
11	NCR (2.04 LPA)	7
TOTAL		32

- Dr.G.Ramani and Placement Coordinator discussed the training plan for Pre final year students.

Resolution Resolve to approve.

Item 3.06 Discussion on R22 curriculum, syllabus modification and Vertical Subjects.

Discussion

CONVERTERS AND DRIVES		POWER SYSTEM ENGINEERING	
S. NO.	Name of the course	S. NO.	Name of the course
1	Power Switching Converters	1	High Voltage Engineering
2	Special Electrical Machines	2	HVDC Transmission Systems
3	Design of Electrical Machines	3	Flexible AC Transmission Systems
4	Analysis of inverters	4	Power Quality
5	Power Electronics for Renewable Energy Systems	5	Power System Operation and Control
6	Multilevel Power converters	6	Fundamentals of electric Power utilization
7	Modern Power electronic converters	7	Energy Auditing ,Conservation and Management
		8	Re structured power system

ELECTRIC VEHICLE		GRID TECHNOLOGY	
S. NO.	Name of the course	S. NO.	Name of the course
1	Fundamentals of Electric Vehicles	1	Renewal Energy Technology
2	Battery pack modeling and Charging of Electric Vehicle	2	Wind and Solar Electrical Systems
3	EV Design and Development	3	Micro Grid
4	Hybrid Electric Vehicles	4	Electrical Power Grid Modernization
5	Testing and Electric Vehicle Policy	5	IOT for smart grid
6	EV Intelligent System	6	Smart Grid Communications and Protocols
7	Electrical Vehicles in Smart grid		
8	Design of motor and power converters for Electric Vehicles		

EMBEDDED SYSTEM ENGINEERING	
S. NO.	Name of the course
1	Embedded System design
2	Embedded System for automotive applications
3	Embedded control system
4	Signal Processing
5	Embedded IOT
6	Embedded Processors
7	VLSI Design Techniques
8	Embedded Networking

	Dr.G.Ramani discussed the R22 curriculum, syllabus for 5 th ,6 th ,7 th and 8 th semesters with vertical subjects.
Resolution	Resolved to approve.
Item 3.07	Any other matter
Discussion	• Nil

Place: NEC

Date: 7.04.2024

Dr. G. Ramani

**CHAIRMAN
PAC/EEE**

Dr.G.RAMANI, M.E., Ph D ,
 Professor & Head
 Department of EEE
 Nandhe Engineering College (Autonomous)
 Erode - 638 052

