

NANDHA ENGINEERING COLLEGE, ERODE – 638 052
(An Autonomous Institution, Affiliated to Anna University Chennai and
Approved by AICTE New Delhi)

Minutes of 10th Board of Studies Meeting (BoS) held on 30.7.2022

The 10th Board of Studies (BoS) meeting was held on 30.07.2022 by 10.00 a.m in Simulation lab (BLOCK-II) at Nandha Engineering College, Erode

Dr. G.Ramani, Chairman (BoS) and Professor & Head, Electrical and Electronics Engineering chaired the meeting, welcomed all the members to the 10th BoS meeting and introduced the members of BoS. After the brief introduction, the agenda items listed below were taken up for discussion and the following resolutions were passed.

BOS - AGENDA	
Item 1.01	Welcome address and Introduction of members.
Item 1.02	Review of the 9 th BOS meeting minutes and ATR
Item 1.03	Review of the PAC and DAB meeting minutes & ATR
Item 1.04	Review of Institute Vision & Mission
Item 1.05	Review of Department Vision, Mission, PEOs and PSOs
Item 1.06	Review of Correlation between the Vision and Mission statement of Institute and Department, correlation between PEOs and POs.
Item 1.07	Review of Curriculum (R22) for B.E/B.Tech programme
Item 1.08	Review of 1 st and 2 nd semester syllabus for B.E/B.Tech programme with CO –PO/PSO Mapping
Item 1.09	Review on analysis of CO- PO/PSO mapping and attainment of R17 Curriculum.
Item 1.10	Review on Attainment target fixed for next batch.

Item 1.11	Review of Curriculum and syllabus (R22) for M.E programme with CO -PO/ Mapping.
Item 1.12	Review of R17 Ratification, if any.
Item 1.13	Review of inclusion of PSE courses in R17
Item 1.14	Review of one credit courses
Item 1.15	Review of Panel of Examiners
Item 1.16	Any other matter

Item 1.01	Welcome address and Introduction of members.
Discussion	Dr.G.Ramani, Chairman/BoS introduced the members of the Board of Studies
Item 1.02	Review of the 9 th BOS meeting minutes and ATR
Resolution	Resolved to approve the 9 th BOS Meeting and ATR of 9 th BoS meeting.
Item 1.03	Review of the PAC and DAB meeting minutes & ATR
Resolution	Resolved to approve the PAC and DAB Meeting minutes &ATR
Item 1.04	Review of Institute Vision & Mission
Discussion	<p>VISION To be a centre of excellence providing high quality Engineering, Technology and Management education to meet the ever growing needs of the society.</p> <p>MISSION</p> <ul style="list-style-type: none"> • To provide quality education to produce competent professionals and leaders with social responsibility • To excel in research in the field of Engineering, Technology and Management • To be a learner centric environment with continual progress to meet the global needs.
Resolution	Institute Vision and Mission is Approved by Members of Board of Studies
Item 1.05	Review of Department Vision, Mission, PEOs and PSOs
Discussion	<p>Dr.C.Govindaraju Suggested to include the word Multidisciplinary in the Vision Statement.</p> <p>VISION To render high quality technical education and research by dispensing extensive knowledge to transform every student in to a competent Electrical Engineer to deploy multidisciplinary approach to serve society and nation.</p> <p>MISSION The Department of Electrical and Electronics Engineering is committed to</p> <ul style="list-style-type: none"> • Empower the students to adapt the latest technologies by providing innovative learning environment • Equip the students with leadership qualities for accepting the challenges in various engineering sectors • Excel in research in the field of Electrical Engineering

Resolution Resolved and the changes are incorporated in the vision Statement as suggested by Dr.C.Govindaraju.

Item 1.06 Review of Correlation between the Vision and Mission statement of Institute and Department, correlation between PEOs and POs.

Vision & Mission Components		Dept.	Vision	Mission		
			To transform the student in to highly competent ethical electrical engineers to serve the society and nation.	To adapt the latest technologies by providing innovative learning environment	Train the students with leadership qualities for accepting the challenges in industry and private sectors.	Excel in research in the field of Electrical Engineering
Institute	World class Engineering Institute		✓	✓	✓	
	Global competitiveness of technical manpower		✓	✓	✓	✓
	High quality technical education		✓	✓	✓	✓
Mission	Valued based technical education		✓	✓	✓	✓
	Mould the character of young generation			✓	✓	✓

Resolution Resolved and good correlation obtained between Vision and mission of Department at Institute was obtained.

Item 1.07 Review of Curriculum (R22) for B.E/B.Tech programme

Discussion Curriculum(R22) was discussed in the BOS meeting and Suggestion

Resolution Resolved and Curriculum was modified according to Suggestion given by BOS Members.

Item 1.08 Review of 1st and 2nd semester syllabus for B.E/B.Tech programme with CO –PO/PSO Mapping

Discussion	SUBJECT NAME: BASIC ELECTRICAL AND ELECTRONICS ENGINEERING (II SEM- CIVIL, CHEMICAL) UNIT – I (ELECTRICAL CIRCUITS & MEASUREMENTS) Dr.J.Devishree advised to remove the Operating Principles of Moving coil and moving iron instruments in unit-I since it was outdated topic.	✓ Topics Removed
	UNIT-II&III (DC MACHINES & AC MACHINES) Dr.Sujatha Balaraman Suggested to Split the Electrical Machines (UNIT-II) in to DC Machines (UNIT-II) and AC Machines (UNIT-III)	✓ Changed
	In UNIT II- Single Phase Transformer was removed.	✓ Modified

<p>In unit III-Three phase induction motor was included in the Syllabus along with Single phase induction motor.</p>	
<p>UNIT-IV(SEMICONDUCTOR DEVICES AND CIRCUITS) Dr.C.Govindaraju Suggested to remove Full wave rectifier Topic in unit-IV.</p>	<p>✓ Changed</p>
<p>UNIT-V(DIGITAL SYSTEMS) Dr.C.Govindaraju Suggested to change title of the topic Binary Addition,Multiplication &Division as Binary Arithmetic .</p>	<p>✓ Included</p>
<p>Mr.M.Jagathaguru Suggested to include the applications adder and subtractor.</p>	<p>✓ Changed</p>
<p>Mr.M.Jagathaguru Suggested to remove reduction of Boolean Expressions</p>	<p>✓ Included</p>
<p>SUBJECT NAME:ELECTRICAL ENGINEERING</p>	
<p>UNIT-III(DC MACHINES)</p>	
<p>Dr.Sujatha Balaraman Suggested to modify the title of the Induction motor as AC Machines.</p>	<p>✓ Modified</p>
<p>Dr.Sujatha Balaraman Suggested to include three phase induction motor along with single phase induction motor.</p>	<p>✓ Included</p>
<p>UNIT-V(ELECTRIC DRIVES) Mr.D.Senthil kumar Suggested to include Case study (Drive system for paper mills) and Speed control of DC drives.</p>	<p>✓ Included</p>
<p>SUBJECT NAME:ELECTRIC CIRCUIT THEORY(EEE)</p>	
<p>UNIT-I(BASIC CIRCUIT ANALYSIS) Mr.M.Jagathaguru Suggested to modify Mesh current and Node voltage method of analysis for DC Circuits Topic name to Mesh and nodal analysis For D.C Circuits.</p>	<p>✓ Changed</p>
<p>UNIT III(AC CIRCUITS) Dr.J.Devishree Suggested to Include Introduction to transients</p>	

	<p>Dr.Sujatha Balaraman Suggested to modify the topic name AC Signals and Solution of RLC Circuits to AC Signals and RLC Circuit.</p> <p>SUBJECT:ENGINEERING PRACTICES LABORATORY</p> <p>Mr.D.Senthil kumar Suggested to include measuring instrument-Megger.</p>	<p>✓ Modified</p> <p>✓ Included</p>
Resolution	Resolved to approve the Syllabus under Regulation R-22 For 1 st & 2 nd semesters of Electrical and Electronics Engineering for the batch of students admitted during academic year 2022-2023	
Item 1.09	Review on analysis of CO- PO/PSO mapping and attainment of R17 Curriculum.	
Discussion	CO-PO/PSO Mapping of all first year subjects (I and II SEM) were discussed The target level of 70% is achieved for PO1,PO2,PO3,PO4,PO5,PO6,PO9,PO10,PO12 The target level of 70%is not achieved for the PO7, PO8, PO11 and PSO4 .The reason for the difference between target and achieved levels for all PO and PSO were analyzed and actions to be taken to improve the attainment level was discussed by BOS members.	
Resolution	Resolved and Solution is discussed to reduce the difference between target and achieved level of above mentioned POS and PSO in R22 Curriculum.	
Item 1.10	Review on Attainment target fixed for next batch.	
Discussion	Target attainment level(72%) is fixed for all the POS for EEE Students admitted during the academic year 2022-2023	
Resolution	Resolved and target attainment level(72%) is fixed for all the POS for EEE Students admitted during the academic year 2022-2023 is approved by all BOS members.	
Item 1.12	Review of R17 Ratification, if any.	
	NIL	
Item 1.13	Review of inclusion of PSE courses in R17	
Discussion	<p>In Professional Elective Course subjects were discussed by Expert members.</p> <p>Dr.J.Devishree suggested to Modify the Subject name Linear Signals and System as Signals and System.</p> <p>Mr.M.Jagathaguru Suggested to Modify the subject name Engineering automotive electronic system as Industrial Automotive Electronic System</p> <p>Dr.Sujatha Balaraman Suggested to remove thermodynamics subjects in Professional Elective Group.</p> <p>Mr.M.Jagathaguru Suggested to modify the subject name Utilization and conservation of Energy to Electric Energy Conservation and Auditing</p>	
Resolution	Resolved to approve the Programme Specific Electives(PSE) of R22 UG under Regulation R22 for the batch of students admitted in B.E Electrical and Electronics Engineering from	

	2022-2023 onwards
Item 1.14	Review of one credit courses
Discussion	Mr.M.Jagathaguru Suggested to Change the name of one credit course "PCB DESIGN" to Hardware Design
Resolution	Resolved to approve the Proposed Changes in above course for the academic year 2022-2023
Item 1.15	Review of Panel of Examiners
Resolution	Resolved to approve the Panel of Examiners
Item 1.16	Any other matter
	NIL

Date: 30.7.2022

G.R.
30/7/22

Dr.G.Ramani

CHAIRMAN,BOS/EEE

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30/7/22