



Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering & Technology, Ashta
(An Autonomous Institute)
(Approved by AICTE, New Delhi, Govt. of Maharashtra, Affiliated to Shivaji University, Kolhapur)

- 'A++' Grade Institute Accredited by NAAC
- NBA Accredited courses
- ISO 9001:2015 Certified Institute

Department of Electrical Engineering

MINUTES OF THE NINTH BOARD OF STUDIES MEETING

Minutes of the meeting of the **9th Board of Studies (BoS)** was held on **Friday 21/06/2024**, through the **Hybrid** mode, under the chairmanship of Dr. Balakrishnan P, Head of the Department. The chairman welcomed all members present for the meeting.

Link for the meeting

Platform	Microsoft Teams
Meeting Link	https://teams.microsoft.com/l/meetup-join/19%3afPgSvAvCwGkFzaCdUjLBY9OIUvbZjKxx2uNbUEkfJRsl%40thead.tacv2/1718691033678?context=%7b%22Tid%22%3a%22c6fe03c2-3afb-4565-b0de-b38a537665eb%22%2c%22Oid%22%3a%22283cdb35-36a2-4c95-a67c-aad53ba037df%22%7d
Recording Link	https://adcet.sharepoint.com/sites/EITM2023-24/Shared%20Documents/General/Recordings/Electrical%20BOS%202024-25-20240621_111301-Meeting%20Recording.mp4?web=1

Board of Studies

(Ninth BoS Meeting, Friday, June 21, 2024)

Sr. No.	Name of Expert	Designation	Institute/University/Organization
1.	Dr. Suraj D Pawar	Chairman (HoD)	HOD & Professor Department of Electrical Engineering, ADCET
2.	Dr. Sunil Keshav Patil	VC-Nominee	Associate Professor Government College of Engineering, Karad
3.	Dr. Surendra Bhosale,	Academic Expert-1	Associate Professor & Head, Department of Electrical Engineering VJTI, Mumbai.
4.	Dr. P. Somasundaram	Academic Expert-2	Professor, Department of Electrical & Electronics Engineering, College of Engineering, Guindy, Anna University, Chennai – 600025.
5.	Dr. Prashant G. Medewar	Industry Representative	Associate Lead Engineer Nexteer Automotive, Bangalore.
6.	Mr. Swapnil Sadamate	Alumni Representative	Assistant Engineer, MSEDEL Kavatepiran
7.	Dr. Bharatiraja C	Academic Expert (Special Courses)	Centre Head, Centre of Electric Mobility, SRM Institute of Science and Technology, Chennai

8.	Mr. Imran S. Mulani	Industry Representative Special Courses	Sr. Design Engineer (Electrical) HOSMAC India Pvt. Ltd., Lane, Goregaon (East), Mumbai.
9.	All Faculty	Members	Department of Electrical Engineering ADCET
10.	Dr.N.Vengadachalam	Member Secretary	Department of Electrical Engineering, ADCET

Agenda Items and Resolutions

Agenda Item No.1:	Introduction of new BoS members	
Resolution No. 1:	The chairman of BoS Dr. Balakrishnan P, opened the meeting with first agenda to introduce new Bos Members. The following new BoS members were introduced.	
	1	Dr. Sunil Keshav Patil, Associate Professor Government College of Engineering, Karad VC Nominee
	2	Dr. Bharatiraja C, Centre Head, Centre of Electric Mobility, SRM Institute of Science and Technology, Chennai. Academic Expert (Special Courses)
	3	Mr. Imran S. Mulani Sr. Design Engineer (Electrical) HOSMAC India Pvt. Ltd., Lane, Goregaon (East), Mumbai Industry Representative Special Courses
Agenda Item No.2:	To inform the BoS, about the suggestions made by BoS members & action taken in Eighth Meeting held on 22nd July 2023 To confirm the minutes of meeting of BoS held on 22nd July 2023	
Resolution No. 2:	The chairman of BoS Dr. Balakrishnan P, informed the MoM of Eighth BoS Meeting held on 22nd July 2023 . All members went through the documents of MoM and confirmation has been done.	
Agenda Item No.3:	To inform the BoS members about the NBA (Tier – I) Accreditation	
Resolution No. 3:	The BoS Chairman informed that the Electrical Engineering department is accredited with NBA (Tier-I). The BoS members expressed their congratulations to all faculty of Electrical Engineering department.	
Agenda Item No.4:	To discuss and approve Curriculum Contents of Third Year Courses as per the NEP Compliant Revised Course Structure(Revision 2).	
Resolution No. 4:	The semester – wise structure of the UG Program in Electrical Engineering Second Revision (NEP Compliant) and Third Year syllabus were presented in a sequence (Sem I to Sem VIII) to BoS members. The discussion and suggestions given by BoS members for Third Year syllabus were noted as follows, • In AC machines, unit 4, principle of operation should be prior to construction of alternator. Numerical expected term may be removed as it is mandatory to solve numerical problems. In lab, Synchronization methods of alternators may be conducted as one experiment instead of two. Industrial visit activity may be removed from list of experiments. • In Power System Analysis, Only one text book from same author may be followed. • In Energy Storage Systems for Electric Vehicles, Flywheel energy storage system can be removed and Supercapacitor can be added. • In Power Electronics, GTO device, series parallel operation of SCR and snubber circuit concepts can be added in unit 1. The unit 2 & 3 titles and contents may be reformed and rewritten. Fundamentals of drives to be added. In Lab, simulation need not to be by Matlab. • In Switchgear Protection & Industrial Electrical Systems, the units and contents can be rearranged to cover the arcing and circuit breakers concepts prior to over current relays.	

	• In Control System Design, the concept of sliding mode control should be added. The order of text books should be rearranged. The book by author Norman Nise should be at first order. • In Embedded Systems, first unit should be given with additional teaching hours to cover the abundant fundamental concepts. • In Electric Vehicles (Professional Elective), the 6 units should be rearranged. Concept of flywheels and fuel cell vehicles can be removed. Fundamentals of EV charging could be added. The recommendations given by BoS members will be incorporated to the maximum possible extent.												
Agenda Item No.5:	To discuss and approve mode of assessment for the curriculum contents of Third Year B.Tech.												
Resolution No. 5:	The proposed assessment pattern for both theory and laboratory courses in Revision2 – Third Year B.Tech. has been approved by the BoS members.												
Agenda Item No.6:	To inform the BoS members about students’ performance, placement and internship details of Academic year 2023-2024												
Resolution No. 6:	The BoS Chairman informed about students’ performance, placement and internship details of Academic year 2023-2024.												
Agenda Item No. 7:	Ratification honor degree course students												
Resolution No. 7:	The following students honor degree was ratified and approved by BoS members <table><tr><th>Sr. No.</th><th>URN</th><th>Name of the Student</th><th>Honor/ Minor</th></tr><tr><td>1</td><td>20141005</td><td>Bharati Mohit Ramdularay</td><td>Honors</td></tr><tr><td>2</td><td>20141050</td><td>/Patil Anuradha Shankar</td><td>Honors</td></tr></table>	Sr. No.	URN	Name of the Student	Honor/ Minor	1	20141005	Bharati Mohit Ramdularay	Honors	2	20141050	/Patil Anuradha Shankar	Honors
Sr. No.	URN	Name of the Student	Honor/ Minor										
1	20141005	Bharati Mohit Ramdularay	Honors										
2	20141050	/Patil Anuradha Shankar	Honors										
Agenda Item No. 8:	Discussion on PSO statement												
Resolution No. 8:	The modified PSO statements were presented before BoS members for discussion and approval. The following PSO statements were approved by members. PSO 1: Able to model, simulate, analyze and validate the performance of Electrical and Electronic Systems, Control Systems, Power Systems, and Power Electronic Systems. PSO 2 : Able to identify problems in the diversified areas of Electrical Engineering and determine the ethical solutions in terms of hardware and software to achieve the sustainable development goals												
Agenda Item No. 9:	Any other item with the permission of the Chair. No. of mandatory experiments in Lab courses.												
Resolution No. 9:	The BoS members suggested to have eight experiments as mandatory in laboratory courses instead of ten experiments. It will be decided based on the institute guidelines.												

The concluding remarks on syllabus of Third Year Courses were given by the VC nominee Dr. Sunil Keshav Patil and academic experts Dr. Surendra Bhosale and Dr. P. Somasundaram. All BoS

members appreciated the efforts of faculty members towards the preparation of syllabus for Third Year Courses. Chairman ensured the BoS about the incorporation of the suggestions given and quality curriculum implementation. The Secretary-BoS, Dr.N.Vengadachalam coordinated the meeting and extended the vote-of-thanks to External BoS members and faculty members at the Department of Electrical Engineering. He also mentioned the efforts by non-teaching and support staff to conduct the meeting successfully.



Secretary-BoS

Dr.N.Vengadachalam



Chairman-BoS, HoD

Dr. Suraj D Pawar



Annexure – I

Institute Guideline for Preparing the Structure

Category of courses and their respective credit weights		
Category	Sub Category	Credits
Basic Sciences		14-16
Engineering Sciences		12-14
Major –	Program Core	74-80
Major –	Program Electives (5 Courses)	
Minor		14
Open Electives – other faculty (eg. Pharmacy, Arts,etc.)		08
Vocational and Skill Courses		08
Humanities and Social Sciences	Ability Enhancement Course	14
	Entrepreneurship/Economics/ Management Courses	
	Indian Knowledge System	
	Value Education Course	
Experiential Learning Courses	Research Methodology/ Project/ Mini Project/ Internship	18
Co-curricular Courses		4
	Total	170



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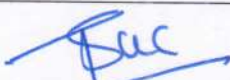
Department of Electrical Engineering

Action taken on suggestions received in BOS Meeting held on 21/06/2024

S. No	Suggestions Received	Action Taken
1	In AC machines, unit 4, principle of operation should be prior to construction of alternator. Numerical expected term may be removed as it is mandatory to solve numerical problems. In lab, Synchronization methods of alternators may be conducted as one experiment instead of two. Industrial visit activity may be removed from list of experiments.	✓ Unit 4 was corrected as suggested by BoS members. ✓ Synchronization of alternators was converted into single experiment. ✓ Industrial visit was removed from list of experiments.
2	In Power System Analysis, Only one text book from same author may be followed.	Additional text book by same author was removed from the list
3	In Energy Storage Systems for Electric Vehicles, Flywheel energy storage system can be removed and Supercapacitor can be added.	Flywheel energy storage system was removed from syllabus.
4	In Power Electronics, GTO device, series parallel operation of SCR and snubber circuit concepts can be added in unit 1. The unit 2 & 3 titles and contents may be reformed and rewritten. Fundamentals of drives to be added. In Lab, simulation need not to be by Matlab.	Switching device GTO, series parallel operation of SCR and snubber circuit concepts were added in unit 1. Other corrections are made as suggested in the subject power electronics.
5	In Switchgear Protection & Industrial Electrical Systems, the units and contents can be rearranged to cover the arcing and circuit breakers concepts prior to over current relays.	The arcing concept is placed in unit 1. The circuit breaker concept is placed in unit 2. Over current relays are transferred to later unit.
6	In Control System Design, the concept of sliding mode control should be added. The order of text books should be rearranged. The book by author Norman Nise should be at first order.	Sliding mode control is included in the syllabus. Text book order was rearranged in the list.
7	In Embedded Systems, first unit should be given with additional teaching hours to cover the abundant fundamental concepts.	The lecture hours for unit 1 and 2 were changed from (8 and 7) to (9 and 6) as suggested..
8	In Electric Vehicles (Professional Elective), the 6 units should be rearranged. Concept of flywheels and fuel cell vehicles can be removed. Fundamentals of EV charging could be added.	All 6 units were rearranged as suggested. Fundamentals of EV charging was added in the syllabus.


Secretary-BoS
Dr.N.Vengadachalam




Chairman-BoS, HoD
Dr. Suraj D Pawar