



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 EIGHTH BOARD OF STUDIES MEETING

Minutes of the meeting of the 8th Board of Studies (BoS) was held on **Saturday 22/07/2023**, 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%3asuBrocbmYF5bVpkpOxVzHcZ2yYbQ9qkK2qopj1zuJlM1%40thread.tacv2/1689913403181?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://drive.google.com/file/d/1Z2aGyPDQipcKfy8TY1gUUglisOOBFXc6/view

Board of Studies

(Eighth BoS Meeting, Saturday, July 22, 2023)

Sr. No.	Name of Expert	Designation	Institute/University/Organization
1.	Dr. Balakrishnan P	Chairman (HoD)	HOD & Professor Department of Electrical Engineering, ADCET
2.	Dr. V.S. Bugade	VC-Nominee	Professor & HoD, Department of Electrical Engineering, Kolhapur Institute of Technology's College of Engineering, Kolhapur
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.	All Faculty	Members	Department of Electrical Engineering ADCET
8.	Dr.N.Vengadachalam	Member Secretary	Department of Electrical Engineering, ADCET

Agenda Items and Resolutions

Agenda Item No.1:	To inform the BoS, about the suggestions made by BoS members & action taken in Seventh Meeting held on 27/08/2022																				
Resolution No. 1:	The chairman of BoS Dr. Balakrishnan P, opened the meeting with first agenda to confirm MoM of Seventh BoS Meeting held on 27/08/2022. All members went through the documents of MoM and confirmation has been done.																				
Agenda Item No.2:	To discuss and approve the NEP Compliant Revised Course Structure of B. Tech – Electrical Engineering - Second Revision with 170 Credits.																				
Resolution No. 2:	<p>The BoS Chairman presented the institute guidelines for framing the NEP Compliant Revised Course Structure (Revision 2) of Four-Year B.Tech in Electrical Engineering with 170 Credits.</p> <p>The semester-wise credits distribution of NEP Compliant Revised Course Structure (Revision 2) was presented to BoS members by the BoS Chairman.</p> <table border="1" data-bbox="715 842 1214 1473" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Semester</th> <th>Credits</th> </tr> </thead> <tbody> <tr><td>I</td><td>21</td></tr> <tr><td>II</td><td>19</td></tr> <tr><td>III</td><td>23</td></tr> <tr><td>IV</td><td>22</td></tr> <tr><td>V</td><td>23</td></tr> <tr><td>VI</td><td>22</td></tr> <tr><td>VII</td><td>23</td></tr> <tr><td>VIII</td><td>17</td></tr> <tr> <td>Total</td> <td>170</td> </tr> </tbody> </table> <p>In line with the AICTE Model Curriculum, the proposed NEP Compliant Revised Course Structure (Revision 2) has the following breakup of credits.</p> <ol style="list-style-type: none"> 1. Basic Science Courses (BS) – 17 2. Engineering Science Courses (ES)- 13 3. Program Core Courses (Major) (PC) – 65 4. Professional Elective Courses (PE)- 11 5. Minor Courses (**) - 14 6. Open Elective Courses (OE) - 08 7. Humanities & Science Courses (HS) – 14 8. Vocational Skill Courses (VS) -06 9. Co-Curricular Courses (CC) - 04 10. Experiential Learning Courses (EL) – 18 	Semester	Credits	I	21	II	19	III	23	IV	22	V	23	VI	22	VII	23	VIII	17	Total	170
Semester	Credits																				
I	21																				
II	19																				
III	23																				
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V	23																				
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VII	23																				
VIII	17																				
Total	170																				
Agenda Item No.3:	To discuss and approve Curriculum Contents of Second Year Courses as per the NEP Compliant Revised Course Structure.																				
Resolution No. 3:	The semester – wise structure of the UG Program in Electrical Engineering Second Revision (NEP Compliant) was presented in a sequence (Sem I to Sem VIII) to BoS members. The discussion and suggestions given by BoS members were noted as follows,																				

- ✓ In Applied Mathematics – III, the units sequence to be revised. It will be as follows,
- ✓ Vector Calculus
- ✓ Linear Differential Equations and Its Application
- ✓ Laplace Transform & Inverse Laplace transforms
- ✓ Fourier Series
- ✓ Numerical Differentiation and Integration
- ✓ Z-Transforms

- ✓ In the course Digital Electronics & Microcontrollers, unit 1 & 2 may be merged as one unit and one unit microprocessor to be included, the same course lab syllabus to be set accordingly. The course name is renamed as Digital Electronics & Modern Integrated Circuits.

- ✓ In the course Electric Circuit Analysis, 6th unit: Application of Laplace Transform may be reviewed. In the Electric Circuit Analysis Lab, simulation and hardware experiments to be mentioned clearly.

- ✓ Review the hour's distribution in the Course Feedback Control Systems and do the necessary changes and place bode plot content in the appropriate place. It suggested to move this course to Vth semester. Also, simulation and hardware experiments to be mentioned clearly.

- ✓ In place of Feedback Control Systems course, the course Generation Transmission and Distribution may be added

- ✓ In the course Electrical Measurements and Instrumentation, the terms calibration may be included in both lab and theory courses.

- ✓ The terms 'program' to be replaced with the term 'code' and Experiments 1 & 2 may merged as single experiment.

- ✓ Add IS standards in DC machines and Transformers course

- ✓ Unit 5 to be renamed as 'Motors for Electric vehicle' in the minor course Fundamentals and Architecture of Electric Vehicles.

- ✓ Unit 4 to be renamed as 'Special Measurements' in the minor course Transducers and Signal Conditioning

- ✓ BoS Members were suggested to have a provision for a change of professional elective tracks if the students are willing to do so. Students are permitted to choose all the Professional Electives from a particular track or from different tracks.

- ✓ In Semester VIII, Suitable guidelines for MOOCs in terms of credits, online platform, Examination, Credit Transfer etc. need to be mentioned at the time of Curriculum Preparation. It has been

	conveyed that MOOCs Courses under the SWAYAM platform for credit transfer are preferable. The suggestions given by BoS members in the Structure and SY Courses were noted. The recommendations given by BoS members will be incorporated to the maximum possible extent.
Agenda Item No.4:	To discuss and approve mode of assessment for the curriculum contents of Second Year B.Tech.
Resolution No. 4:	The proposed assessment pattern for both theory and laboratory courses in Revision2 – Second Year B.Tech.has been approved by the BoS members.
Agenda Item No. 5:	Any other item with the permission of the Chair. No. of Text & reference books
Resolution No. 5:	The BoS members suggested to have only two text books and maximum possible reference books. It will be decided based on the institute guidelines.

The concluding remarks on the proposed curriculum structure and Second Year Courses were given by the VC nominee Dr. V.S. Bugade and academic experts Dr. Surendra Bhosale and Dr. P. Somasundaram. All BoS members appreciated the efforts of faculty members towards the preparation of the curriculum structure. 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. Balakrishnan P



Action taken on suggestions received in BOS Meeting held on 22/07/2023

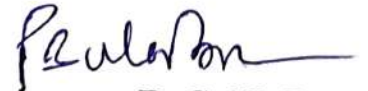
S. No	Suggestions Received	Action Taken
1	<p>In Applied Mathematics – III, the units sequence to be revised. It will be as follows,</p> <ul style="list-style-type: none"> ○ Vector Calculus ○ Linear Differential Equations and Its Application ○ Laplace Transform & Inverse Laplace transforms ○ Fourier Series ○ Numerical Differentiation and Integration ○ Z-Transforms 	<p>The units sequence have been modified as per the suggestions received</p>
2	<p>In the course Digital Electronics & Microcontrollers, unit 1 & 2 may be merged as one unit and one unit microprocessor to be included, the same course lab syllabus to be set accordingly.</p>	<p>The course contents reviewed and suitable changes has been made in theory and lab syllabus. The course is renamed as Digital Electronics & Modern Integrated Circuits</p>
3	<p>In the course Electric Circuit Analysis, 6th unit: Application of Laplace Transform may be reviewed. In the Electric Circuit Analysis Lab, simulation and hardware experiments to be mentioned clearly.</p>	<p>6th unit contents reviewed as per the suggestions and renamed as Advanced Circuit Analysis.</p>
4	<p>Review the hour's distribution in the Course Feedback Control Systems and do the necessary changes and place bode plot content in the appropriate place. It suggested to move this course to Vth semester. Also, simulation and hardware experiments to be mentioned clearly.</p>	<p>Feedback control systems course moved to 5th Semester, and suggested changes have been made.</p>
5	<p>In place of Feedback Control Systems course, the course Generation Transmission and Distribution may be added</p>	<p>The Course Generation Transmission and Distribution is added</p>
6	<p>In the course Electrical Measurements and Instrumentation, the terms calibration may be included in both lab and theory courses.</p>	<p>The term calibration has been included in the theory and lab courses.</p>
7	<p>The terms `program` to be replaced with the term `code` and Experiments 1 & 2</p>	<p>The term `program` replaced with the term `code` and Experiments 1 & 2 merged</p>

	may merged as single experiment in the course python programming	
8	Add IS standards in DC machines and Transformers course	IS standards added
9	Unit 5 to be renamed as 'Motors for Electric vehicle' in the minor course Fundamentals and Architecture of Electric Vehicles.	Unit 5 name renamed as 'Motors for Electric vehicle'
10	Unit 4 to be renamed as 'Special Measurements' in the minor course Transducers and Signal Conditioning	Unit 4 name renamed as 'Special Measurements'
11	BoS Members were suggested to have a provision for a change of professional elective tracks if the students are willing to do so. Students are permitted to choose all the Professional Electives from a particular track or from different tracks.	Flexibility will be given to students to change their track, if they wants to do so.
12	The BoS members suggested to have only two text books and maximum possible reference books and it may be decided based on the institute guidelines	As per institute guidelines, it was to planned give 4 text books



Secretary-BoS

Dr.N.Vengadachalam

Chairman-BoS, HoD

Dr. Balakrishnan P