



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 SEVENTH BOARD OF STUDIES MEETING

Minutes of the meeting of the 7th Board of Studies (BoS) was held on **Saturday, 27/08/2022**, through the **Online** platform, under the chairmanship of Dr. Gopinath S, 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%3aaa872a4fc63542a1801e9f65459efe4a%40thread.tacv2/1661498327502?context=%7b%22Tid%22%3a%22c6fe03c2-3afb-4565-b0de-b38a537665eb%22%2c%22Oid%22%3a%22e1600f9e-3ac6-4ff7-bc81-71576074b681%22%7d
Recording Link	https://drive.google.com/file/d/1FaJWpln6fifxnPGT_XOIMPAYTWfycZi/view

Board of Studies
 (Seventh BoS Meeting, Saturday, August 27, 2022)

Sr. No.	Name of Expert	Designation	Institute/University/Organization
1.	Dr. Gopinath S.	Chairman (HoD)	HOD & Associate Professor Department of Electrical Engineering, ADCET
2.	Dr. D. S. More	VC-Nominee	Associate Professor Walchand College of Engineering Sangli.
3.	Dr. D. B. Kulkarni	Academic Expert-1	Professor & HOD Gogte Institute of Technology Belgaum
4.	Dr. A. N. Sarwade	Academic Expert-2	Associate Professor Sinhgad College of Engineering, Pune
5.	Mr. J. M. Kane	Industry Representative	CEO, Power Engineers, Kolhapur
6.	Mr. S. S. Kashid	Alumni Representative	Junior Engineer, MSEDCL, Mahabaleshwar-Satara.
7.	All Faculty	Members	Department of Electrical Engineering ADCET
8.	Dr. P. Balakrishnan	Member Secretary	Department of Electrical Engineering, ADCET

Agenda Items and Resolutions

Agenda Item No.1:	To confirm the minutes of Sixth Meeting of BoSheld on 26/10/2021.																				
Resolution No. 1:	The chairman of BoS Dr. Gopinath S, opened the meeting with first agendato confirm MoM of Sixth BoS Meeting held on 26/10/2021. All members went through the documents of MoM and confirmation has been done.																				
Agenda Item No.2:	To inform the BoS, about the action taken on the suggestions made by BoS members in SixthBoS Meeting held on 26/10/202.																				
Resolution No. 2:	The members of BoS were given the information of the action taken on the suggestions given in the Sixth Meeting of BoS . The documents for the same were approved by all the members.																				
Agenda Item No.3:	<p>i. To discuss and approve the curriculum Structure of B.Tech. Electrical Engineering – Second Revision with 160 Credits.</p> <p>ii. To discuss and approve curriculum contents of the First Year Courses as per the Second Revision structure</p>																				
Resolution No. 3:	<p>The BoS Chairman presented the institute guidelines for framing the Four-Year B.Tech in Electrical Engineering Curriculum Structure with 160 Credits.</p> <p>The Structure of the UG Program in Electrical Engineering Second Revision with semester-wise credits distribution was presented to BoS members by the BoS Chairman.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Semester</th> <th>Credits</th> </tr> </thead> <tbody> <tr><td>I</td><td>18</td></tr> <tr><td>II</td><td>19</td></tr> <tr><td>III</td><td>18</td></tr> <tr><td>IV</td><td>22</td></tr> <tr><td>V</td><td>22</td></tr> <tr><td>VI</td><td>22</td></tr> <tr><td>VII</td><td>23</td></tr> <tr><td>VIII</td><td>16</td></tr> <tr><td>Total</td><td>160</td></tr> </tbody> </table> <p>In line with the AICTE Model Curriculum, the proposed structure of the UG program shall have the following categories of courses with the breakup of credits as given:</p> <ol style="list-style-type: none"> 1. Humanities and Social Science Courses (HS)- 09 Credits 2. Basic Science Courses (BS) – 15 Credits 3. Engineering Science Courses (ES)- 26 Credits 4. Professional Core Courses (PC) – 65 Credits 	Semester	Credits	I	18	II	19	III	18	IV	22	V	22	VI	22	VII	23	VIII	16	Total	160
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5. Professional Elective Courses (PE)- 16 Credits

6. Open Elective Courses (OE) - 12 Credits

7. Project Work, Internship in Industry (PR) - 17 Credits

8. Audit Courses - 0 Credits

The semester - wise structure of the UG Program in Electrical Engineering Second Revision was presented in a sequence (Sem I to Sem VIII) to BoS members. The discussion and suggestions by BoS members were presented in the following.

- ✓ It has been conveyed to the BOS members that the Integrated course in semester I “Programming for Problem Solving” is given 2 credits.
- ✓ The course titled “Applied Physics & Chemistry” may be split into separate courses in Semester II with 2 credits each.
- ✓ The BoS members were suggested to ensure the contents in the Course “Basic Electronics Engineering” offered in Semester II, should not be repetitive in the Analog and Digital Electronics Course offered in Semester III.
- ✓ In Semester IV, it has been decided to go with non-track-based Professional Elective (PE- I) and track-based Professional Electives were proposed from Semester V onwards to support the job roles and career goals in mind. 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 V, the title of the Open Elective Course “Electrical Technology” was suggested to be renamed “Electrical Machines and Drives” to give more clarity on the content to be studied.
- ✓ For Employment Enhancement Courses (Project/Summer Internship / In-Plant / Industrial Training), the members suggested to give suitable guidelines during the preparation of curriculum content.
- ✓ 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 curriculum contents of the First Year Courses as per the Second Revision Structure of B.Tech. Electrical Engineering was presented by the respective course chairman.

- ✓ In Semester I, the course titled “Basics of Electrical Engineering” in which the concept of Star-Delta transformation needs to be included in Unit I.
- ✓ The members raised the contents to be dealt with in the course titled “Basic Electronics Engineering” offered in Semester II. It has been conveyed that the contents of Fundamentals of Analog and Digital

	<p>Electronics were dealt with in the said course.</p> <ul style="list-style-type: none"> ✓ The content of Humanities and Science and Basic Science Courses should be approved in the First-Year BoS meeting. <p>The First Year Courses as per the Second Revision Structure of other Departments offered by Electrical Engineering were presented.</p> <ul style="list-style-type: none"> ✓ In the course titled “Basic Electrical and Electronics Engineering” for the B.Tech in Computer Science and Engineering, the BoS members suggested to ensure the Unit 6 contents as per their requirements. ✓ In the course titled “Electrical Machines and Power Generation” for B.Tech in Agriculture Engineering, the BoS members suggested to include motors related to Agricultural Applications. <p>The suggestions given by BoS members in the Structure and FY Courses were noted. It is resolved to incorporate the above-mentioned suggestions and recommendations proposed by BoS members to the maximum extent possible.</p>
Agenda Item No.4:	To discuss and approve mode of assessment for the curriculum contents of First Year B.Tech.
Resolution No. 4:	The proposed assessment pattern for both theory and laboratory courses in Revision2 – First Year B. Tech has been approved by the BoS members.
Agenda Item No. 5:	Any other item with the permission of the Chair.
Resolution No. 5:	✓ The Continuous Assessments (ISE & MSE) may be conducted for 100 marks put together similar to the End Semester Examination with a weightage of 100 Marks. Then, both the components can be reduced to 50 Marks to arrive total of 100 marks.

The concluding remarks on the proposed curriculum structure and First Year Courses were given by the VC nominee Dr. D. S. More and academic experts Dr. D. B. Kulkarni & Dr. A. N. Sarwade. 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. Balakrishnan P 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. Balakrishnan P



Chairman-BoS, HoD

Dr. Gopinath S



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Action taken on suggestions received in BoS Meeting held on 27/08/2022

S. No	Suggestions	Action Taken
1	Credit for the Integrated Course "Programming for Problem Solving" may be given 3 credits.	It has been decided at the Institute level to give 2 credits for this course
	The course titled "Applied Physics & Chemistry" may be split into separate courses in Semester II with 2 credits each.	It has been decided at the Institute level to proceed with Applied Physics & Chemistry as a 4 credit course.
2	The BoS members were suggested to ensure the contents in the Course "Basic Electronics Engineering" offered in Semester II, should not be repetitive in the Analog and Digital Electronics Course offered in Semester III.	It will be ensured while preparing the course contents of Analog and Digital Electronics during the preparation of curriculum
3	Professional Electives were proposed from Semester V onwards. 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.	Students will be permitted to choose all the Professional Electives from a particular track or from different tracks.
4	In semester V, the title of the Open Elective Course "Electrical Technology" was suggested to be renamed "Electrical Machines and Drives" to give more clarity on the content to be studied.	The Open Elective Course "Electrical Technology" is renamed as "Electrical Machines and Drives"
5	For Employment Enhancement Courses (Project/Summer Internship / In-Plant / Industrial Training), the members suggested to give suitable guidelines during the preparation of curriculum content.	Appropriate guidelines will be given at the time of content preparation in the particular semester
6	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.	Appropriate guidelines will be given at the time of content preparation in the particular semester
7	In Semester I, the course titled "Basics of Electrical Engineering" in which the concept of Star-Delta transformation needs to be included in Unit 1.	Star-Delta transformation is added in Unit 1 of Basics of Electrical Engineering

8	In the course titled "Basic Electrical and Electronics Engineering" for the B.Tech in Computer Science and Engineering, the BoS members suggested to ensure the Unit 6 contents as per their requirements.	The syllabus of unit 6 content is revised as per the requirement of Computer Science and Engineering in discussion with subject Experts
9	In the course titled "Electrical Machines and Power Generation" for B.Tech in Agriculture Engineering, the BoS members suggested to include motors related to Agricultural Applications.	BLDC Motor, PMDC Motor, Stepper Motor are added in addition to the existing contents.
10	The Continuous Assessments (ISE & MSE) may be conducted for 100 marks put together similar to the End Semester Examination with a weightage of 100 Marks. Then, both the components can be reduced to 50 Marks to arrive total of 100 marks.	This suggestion will be reviewed appropriately in the Academic Council



Secretary-BoS

Dr. Balakrishnan P



Chairman-BoS, HoD

Dr. Gopinath S