



Government College of Engineering

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GECA/EED/2023/BoS/

Minutes of BOS (Electrical Engineering) Meeting

The meeting of Board of Studies (Electrical) was held on 20/7/2023 at 2.30 pm in Hybrid mode in Electrical Department. Following members attended the meeting.

1. Dr. S. P. Ghanegaonkar, Chairperson
2. Dr. N. Chaudhary, (Principal, SPIT, Mumbai), Member, Online
3. Dr. Vishwanath (Professor, NIT Warangal), Member, Online
4. Mr. Prasad Kokil, Member, Online
5. Dr. V. S. Deolankar, Member, Online
6. Dr. V. A. Kulkarni, Member
7. Dr. N.J. Phadkule, Member
8. Dr. S. M. Shinde, Member
9. Prof. Shrikant Mopari, Member
10. Prof. W. A. Gavhane, Member
11. Dr. S. S. Kulkarni, (Member secretary, I/C Curriculum)
12. Prof. G. A. Dhomane (Adjunct Faculty), Online
13. Shri S. P. Vasekar, (Adjunct Faculty),

Following was the agenda of meeting

Item No. 1:

Approval to tentative structure starting from academic year 2023-24 onwards as per NEP 2020

i) B. Tech(with single Minor), ii) B. Tech(with double Minor), iii) B. Tech(with single Minor and Honors), iv) B. Tech(with single Minor and honors with Research)

Item No. 2:

Approval to tentative syllabus of FY B. Tech (Electrical) starting from 2023 onwards as per NEP 2020

Item No. 3:

Approval to syllabus of Basic Electrical Engineering (Theory & Practical) other than Electrical branches(Mechanical, ETC, Computer and IT).

Item No. 4:

Approval to equivalence of FY-B. Tech courses (Electrical Engineering)

Item No. 5:

Any other point with permission of chairperson

The meeting was started by welcoming all honorable members by Chairperson Dr. S. P. Ghanegaonkar.

Item No. 1: Approval to tentative structure starting from academic year 2023-24 onwards as per NEP 2020

i) B. Tech(with single Minor), ii) B. Tech(with double Minor), iii) B. Tech(with single Minor and Honors), iv) B. Tech(with single Minor and honors with Research)

Dr. S. P. Ghanegaonkar presented and elaborated the structures for i) B. Tech(with single Minor), ii) B. Tech(with double Minor), iii) B. Tech(with single Minor and Honors), iv) B. Tech(with single Minor and honors with Research) as per the Govt. GR dated 4/07/2023. The number of credits are kept same as mentioned in GR which has been decided at the institute level. The important points are-

- i) Basic Science course- 18 credits, ii) Engg. Science Course-16 credits, iii) Program Core- 56 credits, iv) Program Elective course- 20 credits, v) One compulsory Multi-disciplinary minor of 14 credits, vi) Open Elective courses of 08 credits, vii) VSEC- 08 credits, viii) AEC- 04 credits, ix) IKS of 02 credits, x) EEM of 04 credits, xi) VEC-04 credits, xii) CEP- 02 credits, xiii) Project of 04 credits, xiv) Internship -12 credits, and xv) Co-curricular of 04 credits.

All members unanimously agreed to the presented all types of structures. Prof. B. N. Chaudhari first suggested to start minor courses from fourth semester onwards because of lateral entry in 3rd semester of DSE students. This was agreed and this is implemented and structures are modified accordingly. Further he suggested to add contents in subjects which are adaptable to modern techniques, tools.

Shri Prasad Kokil, suggested to add crash course of Electrical Engineering consisting of syllabus of brief study of Electrical Machines, Transformers, Power system etc, for the students who have not studied basic Electrical Engineering. This can be treated as minor in an Electrical Engineering and this will be like integrated course. The BoS agreed to same, and Dr. S. S. Kulkarni suggested to put this if students face problems in getting internship.

Prof. Deolankar suggested to set mechanism to evaluate the internship carried out by students. The chairperson agreed to set up a joint evaluation, industry report of students and presentation at institute level.

Item No. 2:

Approval to tentative syllabus of FY B. Tech (Electrical) starting from 2023 onwards as per NEP

The detailed syllabus of FY B. T tech(Electrical) is discussed in meeting, all members welcomed inclusion of battery, in Engineering Chemistry. Prof. Dhokane suggested to include both SoC(State of charge) and DoC(Depth of Charge) in Fundamentals of Electrical Engineering subject, Shri Kokil suggested to include only Li-Ion Battery and remove Lead-Acid battery from FEE subject.

Item No. 3:

Approval to syllabus of Basic Electrical Engineering (Theory & Practical) other than Electrical branches. Shri Kokil also suggested to incorporate minor subjects related to climate change, CO₂ emission on power generation, Climate change due to indoor air pollution, life cycle management.

Further syllabus of Basic Electrical Engineering offered to other branches is also discussed and unanimously agreed.

Item No. 4:

Approval to equivalence of FY-B. Tech courses (Electrical Engineering)

Equivalence of F.Y.B. Tech courses (Electrical Engineering) new CBCS courses are accepted unanimously.

Item No. 5:

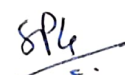
Any other point with permission of chairperson

Harshank Anil, FY BTech (Electrical) student is interested to register in institute as well as to register appear for NPTEL examination, and interested to take into consideration which ever marks are highest.

It was unanimously decided that the choice will not be given, either he can appear for institute examination or NPTEL examination.

The Chairperson on behalf of BoS and institute also congratulated Prof. B. N. Chaudhari sir for getting award of Empowered Autonomy by Govt. of Maharashtra

Dr. S. S. Kulkarni thanked all members for sparing valuable time and giving suggestions in revising the curriculum.



Dr. S. P. Ghanegaonkar
Head of Electrical Engineering Department