

Pandit Deendayal Petroleum University
School of Technology
Electrical Engineering Department

Date: 13/04/2017

Subject: Minutes of BOS meeting (Electrical Engineering) held on 13th April, 2017 at 11:11 hours onwards in the Committee koom, E-Block.

Following members were present.

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| 1. Mr. D. N. Dholakia | 5. Dr. Vivek Pandya |
| 2. Dr. Bhavesh Bhalja | 6. Dr. J G Jamnani |
| 3. Dr. Rajendrasinh Jadeja | 7. Dr. Amit Sant |
| 4. Dr. D. M. Parikh
Dean FoET | |

Dr. S. H. Chetwani was unable to attend the meeting.

Agenda of the Meeting:

1. Consideration and approval of the syllabus of the courses of Semester-III and IV of B.Tech in Electrical Engineering to be implemented w.e.f. academic year 2017-18
2. Consideration and approval of the new course structure with teaching and Examination scheme of B.Tech. in Electrical Engineering Program.
3. To review and consider the modified syllabus of the course "Advanced digital signal processing" being offered in semester-II of M.Tech in Electrical Engineering (Power Systems).
4. Consideration and approval of the syllabus of the course "**Electrical Technology and Control System**" (Theory and Lab.) to be offered by the Electrical Engineering Department in the Semester-III of B.Tech. Mechanical and Industrial Engineering Programs (2016 Batch) to be implemented w.e.f. academic year 2017-18
5. To assess the quality of question papers of UG and PG programs drawn in previous Examinations.
6. Any other item thought appropriate by Chairman BoS

Minutes of BOS meeting

- The meeting started with Dr. J. G. Jamnani introducing the School of Technology in general and Electrical Engineering Department in particular.

- He informed the attendees about the suggestions provided by Prof. A. P. Kudchadkar and Prof. R. S. Gandhi which are incorporated in the new syllabus. One of the key suggestion was that each semester should comprise of five theory courses and two laboratory courses.
- D. J. G. Jamnani informed the BoS that the minimum total credits to be earned by a student for the award of B.Tech. in Electrical Engineering are 180.
- BoS reviewed the syllabus of the courses of Semester-III and IV of B.Tech in Electrical Engineering and upon finding it to be appropriate the BoS approved it.
- BoS has reviewed the new course structure with teaching and Examination scheme of B.Tech. in Electrical Engineering Program and approved it.
- Shree D. N. Dholakia stressed on the introduction to self assessment by students. This is to be reviewed by the faculty coordinator implementing this scheme. This will give the student the chance to the students to acclimatize with the evaluation of their own performance. This will inculcate in students the need of self evaluation which will be highly important in their career growth. The student self evaluation may not have any weightage in the grading. If any weightage is to be assigned then it may comprise 5% of the total Marks.
- Dr. R. B. Jadeja shared his experience about a pilot project launched in Marwadi Educational Foundation where the exam for a particular subject is completely removed and an online exam can be incorporated. Similar methodology has been implemented in Drexel University. The experiment can be started with one or two subjects and can be expanded based on the success of this methodology.
- Dr. R. B. Jadeja further stressed that the 180 credits is to be divided into credits for core subjects, electives, multidisciplinary, foundation courses, management subjects, humanities subjects etc. Dr. J. G. Jamnani stated that such bifurcation has been already incorporated. Summary is to be prepared stating the % weightage of foundation, core and elective courses in the form of pie chart.
- Dr. Bhavesh Bhalja stated his concern pertaining to the course Electronic Devices and Circuits. He suggested that the 10 hours duration for Unit I might be a bit too much and can be reduced. His suggestion was accepted and revised number of hours allocated for each unit are as given below.

Unit I	6 hours
Unit II	18 hours
Unit III	16 hours
Unit IV	12 hours

- Dr. Bhavesh Bhalja and Dr. R. B. Jadeja jointly suggested that the topics on Cathode ray oscilloscope be removed from the syllabus of Electrical Measurements and Measuring

Instruments. The topics on Cathode Ray Oscilloscope need to be replaced by Digital Storage Oscilloscope.

- Secondly, Dr. Bhavesh Bhalja suggested that the book on Electrical Machines by Fitzgerald, Kingsley, and Umas is to be included as a reference book for the subject Electromechanical Energy Conversion – I. This list of references was appropriately revised.
- Further, Dr. Bhavesh Bhalja also suggested that the book by S. N. Singh, titled “Electric Power Generation: Transmission and Distribution,” needs to be included in the list of references for Power Systems I and II. Also, the book – Power System Engineering by D. M. Kothari and M. Gopal can also need to be included in the list of references for Power Systems I and II.
- Shree D. N. Dholakia provided the suggestion that the method of grounding of electronic equipments can be added in the syllabus for Power System I. Further, Shree D. N. Dholakia suggested that the topics pertaining to Electrical safety needs to be included in subjects.
- Dr. Bhavesh Bhalja and Dr. R. B. Jadeja jointly suggested to change the title of Advanced Digital Signal Processing to Signals and Systems or Digital Signal Processing.
- The proposed syllabus of (i) Electrical Technology and Control Systems, and (ii) Advanced Digital Signal Processing was approved by the BoS Members.
- Moreover, Dr. Bhavesh Bhalja and Dr. R. B. Jadeja stressed on the inclusion of student in BoS, Senate, Academic Council and at all levels.
- BoS members stated that the quality of question papers is found to be up to the acceptable standards.
- The meeting ended with the discussion with the director about the proceedings of the meeting and addressed the concerns raised by the BoS members.
- Lastly, Dr. J. G. Jamnani stated that the suggestions provided by the BoS members are accepted and to be incorporated in the new syllabus. He thanked the BoS members for their suggestion and valuable time.

Dr. J. G. Jamnani



Dr. Vivek Pandya



Dr. Amit Sant



Dr. Bhavesh Bhalja



Dr. R. B. Jadeja



Shree D. N. Dholakia

