

Department of Electronics and Communication Engineering

JUIT Waknaghat

A meeting of the Board of Studies of the Department of Electronics and Communication Engineering was held on 19.02.2015 at 10:30AM in the Board Room.

The following members were present

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| 1. Prof. Sunil Vidya Bhooshan | Chairman |
| 2. Prof. D.T. Shahani | External Member |
| 3. Prof. Ved Prakash Sandlas | External Member |
| 4. Prof. T.S. Lamba | Member |
| 5. Prof. D.C. Kulshreshtha | Member |
| 6. Dr. Davinder S Saini | Member |
| 7. Dr. Pradeep Chauhan | Member |
| 8. Dr. Shruti Jain | Member |
| 9. Mrs. Meenakshi Sood | Member |

The board made the following suggestions:

1. The upper limit of the credits for B-Tech courses should be about 165 credits. The European system follows 150-160 credit schemes.
2. Students should be encouraged to focus on the self learning and problem solving. They should be encouraged to ask questions in the class.
3. Assignments should be designed properly so as to benefit the students. Give unsolved problems in the assignments.
4. The basic subject syllabi be carefully reviewed to be consistent with Gate syllabi, and semester exams should reflect the important concepts emphasized in Gate.
5. Before applying the circuit on the bread board, students should know the behavior of the circuit, which they can find out by using SPICE.
6. Related lab of every subject should reflect the contents of the concerned subject.
7. Study of Datasheets must be done in every lab.
8. There should be regular visits of industry people to tell whether the lab contents are ok or not, also they have to tell how to use new software.

9. *Bioscience* as a subject should be included in the course curriculum.
10. Students should know the physical and engineering aspect of the electronics components.
11. Project at the end of the semester should be such as to covers all the points of the concerned subject which he/she learns.
12. Emphasis on 1st year *Math and Physics* syllabi should be such as to bring them in line with the engineering syllabi with examples for engineering.
13. New electives such as *Body Area Network* and other state of art electives should be introduced.
14. The entire B-Tech scheme for ECE was reviewed and following changes in the scheme were recommended by the board:
 - a) The course content of the *Introduction to Computers and Programming* should be changed more rapidly than other subjects.
 - b) *Material Science* from 6th semester to be shifted to 2nd semester, resulting in 27 credits of 2nd semester and 24 credits of 6th semester.
 - c) In 3rd semester *Electrical Machines and Instrumentation* and its lab should be replaced by *Sensors and Instrumentation* and its related/ concerned lab.
 - d) *Theory of Control System* and its lab from the 5th semester is to be shifted to 3rd semester. *Multimedia Lab* from 3rd semester to be shifted to 5th semester, which makes 3rd semester credits as 27 and 5th semester credits as 24.
 - e) Syllabus of the *Theory of Control Systems* to be revised.
 - f) Syllabus of the Electromagnetic Engineering to be revised to include contents related to Antenna Theory.
15. Credits should be given for the *Industrial Training* and if required lab facilities can be provided to the students interested in doing the training in the campus during summer.
16. The course contents and the syllabi of the M-Tech course is up to the mark; changes are required only in the lab courses to keep them current.

The meeting concluded with a vote of thanks by **Prof. Sunil Vidya Bhooshan**, Head of Department, ECE.