GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA

An Autonomous College U/S UGC Act – 1956 [2(f) and 12(B)]

Department of Electronics and Communication Engineering

No. ECE/02/1574   Date: 05/09/2022

MINUTES OF MEETING

The 19th meeting of members of Board of Studies of Department of Electronics and Communication Engineering held on 26-08-2022 at 2.30 PM in microprocessor lab.

The following members were present in the meeting:

Sr. No.	Name of member and address	Designation
1.	Dr. Narwant Singh Grewal Associate Professor, ECE Dept., GNDEC, Ludhiana	Chairperson
2.	Dr. Munish Rattan Associate Professor, ECE Dept., GNDEC, Ludhiana	Member
3.	Dr. Baljeet Kaur Assistant Professor, ECE Dept., GNDEC, Ludhiana	Member
4.	Dr. Navneet Kaur Assistant Professor, ECE Dept., GNDEC, Ludhiana	Member
5.	Dr. Harsimranjit Singh Gill Assistant Professor, ECE Dept., GNDEC, Ludhiana	Special Invitee
6.	Er. Gurjot Kaur Assistant Professor, ECE Dept., GNDEC, Ludhiana	Subject Expert
7.	Er. Chahat Jain Assistant Professor, ECE Dept., GNDEC, Ludhiana	Subject Expert

8.	Er. Daljit Singh Assistant Professor, ECE Dept., GNDEC, Ludhiana	Subject Expert
9.	Er. Kuldeepak Singh Assistant Professor, ECE Dept., GNDEC, Ludhiana	Subject Expert

Online consent taken from the following BOS Members:

Sr. No.	Name of member and address	Designation
1.	Dr. J.S. Sehmbi Professor. EE Dept., IIT, Ropar	Member
2.	Dr. Amit Kohli Associate Professor, ECE Dept., Thapar University, Patiala	Member
3.	Er. Surender Singh Saini Senior Principal Scientist, Optical Devices and Systems (V-3), CSIR	Member
4.	Dr. Balwinder Singh, Head ACS division, CDAC Mohali	Member
5.	Er. H. S. Jatana Group Head, Design and Process Ground, SCL, Mohali	Member
6.	Dr. Sameru Sharma Principal, The Government College of Engineering and Technology, Jammu	Member

The following decisions regarding revision in syllabus contents (<20%) of listed subjects have been made:

Agenda Item 1. Revision of syllabus contents of following subjects pertaining to B.Tech 2018 scheme.

a) **Multimedia Signal Processing (PEEC-104)**

b) Optical Networks (PEEC-117)

c) RISC Microcontroller programming and Interfacing (PEEC-106)

d) Advanced MOSFET based Structures (PEEC-110)

e) Introduction to MEMS and Nanotechnology (PEEC-115)

f) VLSI Physical Design (PEEC-107)

g) Low Power VLSI Design (PEEC-112)

Approved

The following suggestions regarding revision in syllabus contents of listed subjects have been made:

- **Multimedia Signal Processing (PEEC-104):** Some contents from unit-II have been modified.
- **Optical Networks (PEEC-117):** The name of unit-II has been changed and some contents from unit-IV have been modified. New COs has been framed based on modified content.
- **RISC Microcontroller programming and Interfacing (PEEC-106):** Some contents from unit-II, III, IV, V and VI have been modified. New CO2 has been framed based on modified content.
- **Advanced MOSFET based Structures (PEEC-110):** Some contents from unit-IV and VII have been modified. In accordance to the changes made, respective COs has been altered.
- **Introduction to MEMS and Nanotechnology (PEEC-115):** Few topics from unit-II , III, IV, V and VI have been modified.
- **VLSI Physical Design (PEEC-107):** Few topics from unit-II, IV, V and corresponding CO5 have been modified.
- **Low Power VLSI Design (PEEC-112):** Some contents from unit-VI have been modified. New CO6 has been framed based on modified content.

After incorporating recommendations of the internal BOS members, the revised syllabus of B.Tech 2018 scheme of 7th and 8th semesters is attached for approval as Annexure-I.

Agenda Item 2. Addition of some courses and amendment in subject titles in the list of open electives for B.Tech 2018 study scheme.

The list of open elective subjects may be extended by adding new subjects as per following:

- Open Elective –I: **Secure Communication (OEEC-110)**

- Open Elective –II: **e-Waste Recycling and Management (OEEC-111)**
- Open Elective –III: **Engineering Management (OEEC-112)**

- The subject title of existing courses-**Network Security** and **Neural Networks and Fuzzy Logic** have been changed to **Fundamentals of Network Security** and **Introduction to Neural Networks** respectively.

Approved

After incorporating recommendations of the internal BOS members, the syllabus B.Tech 2018 scheme for open elective courses is attached for approval as Annexure-II.

Members   Members   Members

Dr. Narwant Singh Grewal
Chairperson
Board of Studies
Department of ECE