

**Guru Nanak Dev Engineering College, Ludhiana**  
**Department of Computer Science & Engineering**

Ref. No.: .C.S.E./1058

Dated: 08-03-2021

Minutes of 13<sup>th</sup> meeting of Board of Studies of Computer Science and Engineering Department held on 11.02.2021 at 11:30 am in both offline and online mode.

The following members were present:

1. Dr. Parminder Singh, Professor & Head, Department of Computer Science and Engineering, GNDEC, Ludhiana (Chairman)
2. Prof. Amandeep Kaur Sohal, Assistant Professor, Department of Computer Science and Engineering, GNDEC, Ludhiana (Member)
3. Dr. Sumeet Kaur Sehra, Assistant Professor, Department of Computer Science and Engineering, GNDEC, Ludhiana (Member)
4. Dr. Vivek Thapar, Assistant Professor, Department of Computer Science and Engineering, GNDEC, Ludhiana (Member)
5. Dr. Gurpreet Singh Lehal, Professor, Department of Computer Science, Punjabi University, Patiala (Outside Expert)
6. Dr. Sukhwinder Singh, Professor, UIET, Panjab University, Chandigarh (Outside Expert) – Present online
7. Prof. Ravi Kumar, Assistant Professor, CSE, Atal Bihari Vajpayee Govt. Institute of Engineering & Technology, Pragatinagar, District Shimla (Mentee Inst. Under TEQIP-III) (Member) – Present online
8. Dr. Balwinder Sodhi, Department of CSE, IIT, Ropar (IKGPTU Nominee) – Present online
9. Mr. Rinku Garg, Senior Technical Lead, Fidelity Information Services India Pvt. Ltd., Chandigarh (Industry Expert)
10. Mr. Amit Mathur, Rohe and Schwarz India Pvt. Ltd., Delhi (Industry Expert) – Present online
11. Ms. Sukhdeep Kaur, Senior Software Engineer, Vserv Business Solutions Pvt. Ltd., Mohali (Postgraduate Alumni)
12. Dr. Pankaj Bhambri, Nominee Dean (Academic) (Member)
13. Dr. Jagdeep Singh, Nominee Controller of Examination (Member)
14. Er. Kapil Sharma, Nominee Training and Placement Officer (Member)
15. Ms. Gurleen, B. Tech. (Second Year), Roll No. 1904995 (Member)
16. Ms. Palak, B. Tech. (Third Year), Roll No. 1805207 (Member)
17. Ms. Ayushi Sharma, B. Tech. (Fourth Year), Roll No. 1706410 (Member)
18. Ms. Isha, M. Tech., Roll No. 1905658 (Member)

The meeting started with welcome address by chairman BOS, and the already circulated agenda was put up for discussion. Following decisions were taken unanimously:



### **Agenda Item 1**

#### **Discussion and finalise the study scheme 2018 of 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> semesters of B.Tech. Computer Science and Engineering.**

Approved

The following suggestions were made:

1. Subject natural language processing should be introduced in 6<sup>th</sup> semester as Elective-II.
2. Subject computer vision should be incorporated instead of pattern recognition. One section of syllabus of computer vision can be kept on pattern recognition.
3. Major project credits should be increased because project requires more energy, time and effort.
4. Personality development course / Aptitude / Soft Skills / Technical Aptitude / Software Management Tools course can be introduced of 1 credit course in final year.
5. Title of one credit course should be freezed later.
6. Python programming should be incorporated in open elective list.

After incorporating recommendations of the BOS members, the revised study scheme 2018 of 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> semesters of B.Tech. Computer Science and Engineering is attached for approval as Annexure-I.

### **Agenda Item 2**

#### **Discussion about syllabus of subjects of 6<sup>th</sup> semester of B.Tech. Computer Science and Engineering study scheme 2018.**

Approved

The following suggestions were made:

1. Machine learning syllabus to be updated as per latest trends.
2. Machine learning laboratory syllabus should be made more problem based.
3. Computer graphics introduction part to be revised.
4. Computer Graphics laboratory to be updated with more problem based practicals rather than the simple statements.
5. Course outcomes of subjects - cyber security, network security and cryptography laboratory, advanced database management system needs to be refined.



6. Video lectures from other platforms along with NPTEL should also be incorporated in theory and laboratory syllabus.
7. Java programming laboratory syllabus should be more problem based.
8. Cyber laws and Ethics syllabus should be updated as per latest amendments in cyber laws.

After incorporating recommendations of the BOS members the updated syllabus of 6<sup>th</sup> semester subjects, professional electives and Open Elective - I subjects of B.Tech. Computer Science and Engineering study scheme 2018 are attached for approval as Annexure-II.

### **Agenda Item 3**

**Discussion about subjects to be offered through MOOCs for minor degree in Computer Science and Engineering.**

Approved

### **Agenda Item 4**

**Discussion about courses to be offered through MOOC for Honour degree**

Approved

### **Agenda Item 5**

**Amendment in 5<sup>th</sup> semester study scheme 2018 for open elective non-credit mandatory course.**

Approved

### **Agenda Item 6**

**Change in evaluation marks of open elective subject of M.Tech. Computer Science and Engineering to be taught to MBA students.**

Approved

### **Agenda Item 7**

**Change in name of subject of 3<sup>rd</sup> semester M.Tech. Computer Science and Engineering scheme 2019.**

Approved



### Agenda Item 8

**Revision in reference books and online learning material of subject “Data Preparation and Analysis (MCS-155)” of M.Tech. Computer Science and Engineering.**

Approved

### Agenda Item 9

**Approval of panel of external question paper setter for end semester examination of B.Tech and M.Tech.**

Approved

### Agenda Item 10

**Amendment in list of subjects to be taught to students of other branches opting for minor engineering degree in Computer Science and Engineering through classroom teaching and approval of syllabus of these subjects.**

List of subjects to be taught to students of other branches opting for minor engineering degree in Computer Science and Engineering through classroom teaching has been already approved in 10<sup>th</sup> BOS meeting held on 26.7.2019. The following recommendations were made in this meeting:

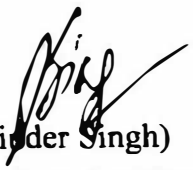
1. Subject “Software Engineering” and “Software Engineering Laboratory” should be replaced with “Object Oriented Programming” and “Object Oriented Programming Laboratory”.
2. The syllabus of below listed subjects for minor engineering degree in Computer Science and Engineering through classroom teaching is attached herewith for approval as Annexure-III.

Sr. No.	Subject Code	Subject Name
1.	MnPCCS101	Data structures
2.	MnPCCS102	Operating System
3.	MnPCCS103	Database Management System
4.	MnPCCS104	Object Oriented Programming
5.	MnPCCS105	Computer Networks
6.	MnPCCS106	Computer Graphics



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7.	MnLPCCS101	Data structures Laboratory
8.	MnLPCCS102	Operating System Laboratory
9.	MnLPCCS103	Database Management System Laboratory
10.	MnLPCCS104	Object Oriented Programming Laboratory
11.	MnLPCCS105	Computer Networks Laboratory
12.	MnLPCCS106	Computer Graphics Laboratory

  
(Dr. Parminder Singh)  
Chairman, Board of Studies