Minutes of 87th meeting of the Senate of Punjab Engineering College (Deemed to be University), Chandigarh

A   **Brief of meeting and participants:**

Date	23.09.2020 (Wednesday)
Time	11.00 am
Venue	Senate Hall, adjacent to Directors' Secretariat, PEC, Sector 12, Chandigarh
In-Chair	Prof. Dheeraj Sanghi, Director, PEC
List of Participants	Placed at *Flag 'A'*

B.   **The brief of proceedings is as follows:**

Item No.	Item	Decision
87.1	**To confirm the minutes of the 86th meeting of Senate.**	Confirmed
87.2	**Follow-up of previous Senate meetings** **83.5 To consider revision of Plagiarism rules according to revised UGC guidelines** Case was discussed in Standing Committee of Senate held on 14.08.2018 wherein Members observed that the Institute Plagiarism policy needs to be revised in view of recently modified UGC Plagiarism policy. The points which need revision include level of plagiarism, detection/ reporting/ handling of plagiarism, penalties, similarity check for exclusion for plagiarism etc. A committee comprising Associate Dean Ph.D, Associate Dean PG, Associate Dean UG and Sr. Librarian (Prof. Seema Vashisht) may therefore be constituted for revision of Institute Plagiarism Policy in lines with UGC Plagiarism guidelines.	The Committee is again requested to send the institute specific guidelines before the next Senate meeting.
87.3	**To consider revision of UG Curriculum w.e.f 2020-21 academic session.** The UG curriculum was earlier revised in the Academic year 2014-15 by the Senate. It needs to be revised. In this regard, a Committee of Dean Academic Affairs, Prof. Rajesh Bhatia, Prof. Sanjeev Kumar (Mechanical) & Associate Dean UG was constituted for the purpose. The	After detailed deliberations, Senate decided that the requirement of credits would be minimum 150 (academic) +10 (non academic) credits to be eligible to get UG degree. Credits-wise breakup is placed as *Annexure-I.*

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Committee has proposed revised UG structure. Subsequently, the same was discussed in IAPC meeting held on 18.12.2019. Senate advised all HODs/ HOCs to conduct department-wise meeting in the 2nd week of January and take feedback regarding new IAPC approved structure of UG Curriculum from the faculty members.

Subsequently, a meeting was called by the Director with various stake holders including Alumni, Industry representatives and academicians from some reputed institutions on 13.09.2020.

The important decisions taken in the meeting are as follows:-

1. Major Project: It was decided that Major Project should preferably be inter-disciplinary. There can be more than one Supervisor from across the departments but the evaluation will be done by the department of the main Supervisor. For the students who opt for coursework in the 6th semester, major project will be of 10 credits.

2. Online Courses: After detailed deliberations, it was decided that upto 20 credits of online courses may be allowed. In this regard, a Committee will be constituted by Chairman Senate to select relevant courses from online platforms such as Coursera, MOOCs, NPTEL, Swayam etc. and their equivalency of the credits in the proposed Curriculum Structure. Two students of SCC will also be the members of this Committee. These online courses will be awarded Pass/Fail but the credits earned will be counted. The other domain of the constituted Committee will also take a call on non-academic credits and the requirement of Industrial Tour.

3. Internship for UG 2019 batch: On the lines of 2018 batch, students of 2019 batch will also have optional internship with 16 credits.

4. Minor Specialization and Honours/ Major Specialization Courses: Minor Specialization will be given to a student who earns 16 credits from the basket of Open Elective courses offered by any one department (outside the parent department). To get Honours/ Major Specialization in a department, the student will have to complete additional 16 credits of discipline Open Electives. Also, students will be awarded Honours/ Major Specialization degree only if final CGPA is more than or equal to 8.0

5. The house was of the opinion that Eminent personalities from various domains of Society such as lawyers, bureaucrats, businessman, doctors, social workers, professors from foreign universities (on vacation in India) should be invited to conduct short term courses of 1 credit each. These courses will also be awarded Pass/Fail, but the credits earned will be counted.

87.4	To consider minor modification in the course contents of UG courses in various departments. 1. PEN201 (Kinematics and Dynamics) 2. PEN404 (Rapid Prototyping) 3. EEN313 (Electric Drives) 4. EEN405 (Energy Management and Auditing)	Approved as proposed.
87.5	To consider updated list of Elective and Honour courses for final year B Tech Production and Industrial Engineering department alongwith Syllabi of newly added courses. 1. PEN406 (Finite Element Analysis) 2. PEN427 (Non-destructive Testing) 3. PEN428 (Knowledge Based Systems in Manufacturing) 4. PEN429 (Nanomanufacturing Processes) 5. PEN430 (Advanced Welding and Casting Technology)	Approved as proposed.
87.6	To consider addition of Electives courses in the basket of Humanities & Social Sciences course in B. Tech 3rd semester. A request has been received from CMH department for addition of electives courses namely English Literature, History and Philosophy in the basket of Humanities & Social Sciences course in B. Tech 3rd semester.	Approved as proposed.
87.7	To consider new courses of Ph.D program in Applied Science department. 1. PYN602 (Density functional theory) 2. PYN603 (Advanced experimental methods in Materials Sciences) 3. MAN605 (Applied Computational Methods) 4. CHN603 (Functional Polymer Materials) 5. CHN604 (Advanced Organometallic Chemistry).	Approved as proposed. It was also decided that if the number of students is less than 5 in any course, then the teaching load will not be counted and the course may be run in online mode.
87.8	To consider addition of new courses as Open electives/ Minor Specialization in UG final year. 1. MAN436 (Topology) 2. PYN436 (Thermoelectric Materials, Devices and their Applications)	Approved as proposed.

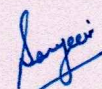| 87.9	**To consider closure of M. Tech Industrial Design programme.** There have been no admissions in M. Tech Industrial Design programme in 2019-20 and 2020-21 academic session. In the year 2018-19, there were 03 students and in 2017-18, there were 15 students. It is Self Supporting programme with the intake of 18 students and minimum requirement for running in Self Supporting programme is 50% of the admission. Hence, it is proposed that M. Tech Industrial Design programme may be closed.	Approved as proposed. The case will be sent to BOG for final approval.
87.10	**To consider award of degree of UG, PG & Ph.D students in Convocation 2020.** Due to pandemic situation, it is not possible to hold the Annual Convocation 2020 in near future. It is proposed that degree may be distributed to those students who are in urgent need of it. However, the degree will be given only in very special circumstances with the approval of Dean Academic Affairs. Further, it is proposed that the date on the degree may be mentioned as **7th of November, 2020.** List of B. Tech, M. Tech and Ph.D students who have completed all the requirements of the respective degrees is placed. Further, some B. Tech, M. Tech and Ph.D students are likely to complete all the requirements by 7th November, 2020. It is proposed to authorize Chairman Senate to approve the degree of these students.	Approved as proposed. Further, Dean Alumni will conduct a survey of graduating students on their willingness for virtual Convocation. In case, the majority of students agree for virtual Convocation, its date will be decided by Chairman Senate.
87.11	**Items for ratification/ information** 1. **To consider the appeal against termination of Mr. Rajan Dhakal, SID 16105084 and Mr. Prashant, SID 19104066** The said students appealed against termination and their request for revocation of termination alongwith their semester leave for the semester 19202 were considered and approved in the meeting of the Standing Committee of Senate. 2. **To consider starting of M. Tech first year 2020-22 batch** The M. Tech 1st semester classes have started from 21st September 2020. As these students are not allowed to come to the campus due to Covid-19 pandemic, their document verification has been done and admissions are purely provisional, it has been decided to run	Ratified Ratified

| | | only the following courses in M. Tech 1st semester (20211 semester) for all the programmes:- | | | |

S. No.	Course Stream	Course Name	Credits	Coordination Deptt
1.	Soft Computing	Internet of Things	1.5	Computer Sc. & Engineering
		Machine Learning	1.5	
2.	Design of Experiment & Research Methodology	Design of Experiment & Research Methodology	3	Mechanical Engineering
3.	Soft Skills and Management	Communication Skills	1.5	Centre for Management Humanities
		Management and Entrepreneurship/IPR	1	
		Professional Ethics	0.5	
4.	Engineering Mathematics	Engineering Mathematics 1	1	Applied Science Department
		Engineering Mathematics 2	1	
		Engineering Mathematics 3	1	

Further, on the recommendations of HOD Applied Sciences, Chairman Senate approved two Mathematics courses of 3credits each to be run in place of 3 Engineering Mathematics courses of 1 credit each. In addition to this, it was decided to run one Departmental Core course also.

T-87.1	**To consider modification in Scholarship & Prize Committee.** At present as per Senate Manual, the Scholarship & Prize Committee consist of following members:- 1. Associate Dean UG, Chairman of the Committee 2. Associate Dean Student Affairs 3. Faculty Coordinator, Student Counselling Cell 4. Two Faculty Member nominated by Chairman Senate on the recommendations of DAA 5. Three registered students nominated by Student Council amongst the Class Seniors It is proposed that this Committee may be re-constituted as 1. **Dean Alumni, Corporate & International Relations (DACIR) or his/her nominee** 2. Associate Dean UG, Convener 3. Associate Dean Student Affairs 4. Faculty Coordinator, Student Counselling Cell 5. **One Faculty Member** nominated by Chairman Senate on the recommendations of DAA 6. **Two registered students** of the Student Council recommended by DSA.	Approved as proposed.

Meeting ended with the vote of thanks to Chair.

CREDITS BREAK-UP FOR B.TECH. PROGRAMME (2020-21 onwards)

CURRICULAR COMPONENTS	Credits
(A) Institute Core Courses (ICC) a) Basic Sciences (BSC) b) Engineering Sciences (ESC) **c)** General Science (GSN)	16 16 04
Total	**36**
(B) Humanities, Communication and Management Elective Courses (HSSMEC)	12
(C) Department Core Courses (DCC) (including 4 credits of Minor Project)	40
(D) Departmental Elective Courses (DEC)	20
(E) Institute Open Elective Courses (GSE/ HSEC) a) Courses b) Project (Compulsory Major Project)- Inter disciplinary	24 06
Total	30
(F) Internship/ Course Work* (4 credits of Deptt. Elective + 4 credits of Open Elective + 4 credits of Project Work) *** Optional**	12
(G) Non Academic Courses (CCA)	10
Grand Total (For those who **do not opt** for Honours/ Major specialization)	**160**
(H) Honours/ Major Specialization Courses (MJC)	16
Grand Total (For those who **opt** for degree with Honours/ Major specialization)	**160+ 16**

Note: Minor Specialization will be given to a student who earns 16 credits from the basket of Open Electives offered by any one department (outside the Parent department).

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Attendance sheet – 87th meeting of Senate on 23.09.2020

S.NO.	NAME	Present/ Absent
1	Dr. Dheeraj Sanghi, Director	Chaired
2	Dr. Siby John, Deputy Director	Online Present
3	Prof. Kunal Nandwani, CEO uTrade Solutions	Online Present
4	Dr. M Rajiv Lochan, Panjab University	-
5	Dr. Sucheta, HOD Applied Sc.	Present
6	Dr. T K Jindal, HOD Aerospace Engg	Online Present
7	Dr. R R Singh, HOD Civil Engg	Present
8	Dr. Shalendra Singh, HOD CSE	Online Present
9	Dr. Jagdish Kumar, HOD Electrical Engg	Present
10	Dr. Neena Gupta, HOD ECE	Online Present
11	Dr. S K Mangal, HOD Mechanical Engg	Present
12	Dr. Uma Batra, HOD MME	Online Present
13	Dr. R S Walia, HOD P& IE	Present
14	Dr. Asha Gupta, Applied Sc.	Online Present
15	Prof. S K Sharma, Civil Engg.	Online Present
16	Dr. Arun K Singh, ECE	Present
17	Er. Tejinder Singh Saggu, Elect. Engg.	Present
18	Dr. Seema Vasishta, Library	Online Present
19	Sh. Sushil Kumar, Computer Centre	Present
20	Dr. Sanjeev Kumar, Mechanical Engg., DAA	Present
21	Dr. Sanjeev Kumar, Applied Sc., DSA	-
22	Registrar (Secretary)	Present
23	Dr. Rintu Khanna ADPG	Present
24	Dr. Sarbjit Singh, ADUG	Present
25	Dr. Parveen Kalra, Head CoE	Online Present
26	Dr. Sharda Kaushik, Head CMH	Present
27	Dr. Divya Bansal, Head, CSRC	Present
28	Dr. J D Sharma, Head CDGC	Online Present
29	Mr. Piyush Sharma, SID 17103110 (student)	Online Present
30	Mr. Shantnu Chawla, SID 17109037 (student)	Online Present
31	Mr. Lavish Garg, SID 17104035 (student)	Online Present
32	Ms. Piyusha, SID 17102026 (student)	Online Present
33	Mr. Saksham Kumar, SID 19207005 (student)	Online Present