

Minutes of 91st meeting of the Senate of Punjab Engineering College (Deemed to be University), Chandigarh

A Brief of meeting and participants:

Date	25.03.2021 (Thursday)
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 <i>Flag 'A'</i>

B. The brief of proceedings is as follows:

Item No.	Item	Decision
91.1	To confirm the minutes of the 90th meeting of Senate.	Confirmed. Chairman Senate pointed out that the process of nominating two professors to the BOG should be properly documented. It was decided to refer this matter to the Senate standing committee for formulating the policy. Chairman Senate also pointed out the faculty needs training on outcome-based education. Senate requested Professor R S Walia to coordinate this activity and provide adequate opportunities for the training of the faculty.
91.3	To consider the new UG curriculum structure & Syllabi of 3rd to 8th semesters for 2020-21 batch onwards. The new curriculum structure and scheme for UG 3 rd to 8 th semesters to be implemented from 2020-21 batch onwards was discussed by IAPC in its meetings held on 16.03.2021 and 22.03.2021.	The following decisions were made after detail deliberations in the senate meeting: 1. To streamline the academic load and other requirements, prerequisites etc., the Senate approved that the DEC-1 should be shifted from 3 rd to 5 th semester and subsequently the OE-I from 4 th to 3 rd semester and OE-II from 5 th to 4 th semester. 2. On the recommendations of the Head Electronics and Communication Engineering, presented and technically supported by Dr Arun Kumar Singh, ECE department, the house approved that the 2 nd semester ECE students would study

		<p>Mathematics II (Linear Algebra, Vector Calculus & Partial Differential Equations) as this is the fundamental requirement for the ECE students.</p> <ol style="list-style-type: none">3. Due to the COVID-19 pandemic, GSC-I and GSC-II should be dropped in 2nd semester 20212 to reduce the online work load of the students. The ESC-III and ESC-IV will run for all the students as already approved by the senate in 90th meeting. GSC-I and GSC-II will be taken up in the subsequent semesters or in the summer term (Special) of the academic year 2021-2022 depending on the COVID-19 pandemic situation.4. The senate authorized Dean Academic Affairs to decide scholarships and branch change at the end of first year without including the GSC-I and GSC-II courses.5. The HODs were looking for clarifications regarding the Open electives floated by the department. After detailed deliberations, the house decided that the open electives floated by the department will also be available to the students of parent department. <p>Approval of Core courses and other courses floated by the departments:</p> <p>Aerospace Engineering Department:</p> <p>The senate approved the 9 core courses of the department on the recommendations of the IAPC totaling 36 credits. The HOD, Aerospace requested the Senate to give some more time to finalize the various modalities of the remaining courses. Chairman Senate asked DAA to schedule the IAPC to finalize the remaining courses of Aerospace Engineering Department.</p> <p>Civil Engineering Department:</p> <p>It was advised that the Civil Engineering should follow the guidelines circulated by the DAA office and accordingly prepare their syllabi and other details. This is required for uniformity as well for the upcoming inspections of the various statutory bodies such as NBA, NAAC, AICTE etc. The detailed syllabi will be taken up in the next IAPC meeting.</p>
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		<p>Computer Science & Engineering Department:</p> <p>On the behalf of HOD CSE, Dr. Trilok Chand was present and he informed the senate that the syllabus has already been discussed in IAPC and the suggested changes have been carried out but the complete structure and the syllabi will be put up in the next Senate meeting.</p> <p>Electrical Engineering Department:</p> <p>The structure and syllabi stand approved as proposed.</p> <p>Electronics & Communication Engineering Department:</p> <p>The structure and syllabi stand approved as proposed.</p> <p>Mechanical Engineering Department:</p> <p>The structure and syllabi stand approved as proposed.</p> <p>Metallurgical and Materials Engineering Department:</p> <p>The structure and syllabi stand approved as proposed.</p> <p>Production & Industrial Engineering Department:</p> <p>The house observed that the LTP for most of the courses are 4-0-0. Head Production requested to revisit and try to include the tutorial and laboratory work wherever possible. The basket for Digital manufacturing needs to be discussed again to align it with the theme of digital manufacturing. Apart from this, structure and syllabi stands approved as proposed.</p> <p>General Observations by Senate:</p> <p>Senate advised the following to the house which needs to be incorporated for better academic output:</p> <ol style="list-style-type: none">1. Try to restrict the major specializations to maximum of 2-3 only (Not limited) as per the strength and facilities within the department.
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	<p>To consider the Minor Specialization in Data Sciences for all B.Tech Students.</p> <p>To consider the Minor Specialization in Cyber Security for all B.Tech Students.</p> <p>To consider the Minor Specialization in UI/ UX Design for all B.Tech Students.</p> <p>To consider the Minor Specialization in Mathematics for all B.Tech Students.</p>	<p>2. Each department will share the minor and major specializations to be offered to the students before the start of the 3rd semester, so that the students can plan their specializations as early as possible.</p> <p>Approved as proposed.</p> <p>Approved as proposed.</p> <p>As this minor specialization has already been approved by the Senate, the same will be continued in the new curriculum.</p> <p>Members pointed out that compulsory course cannot be a part of Minor Specialization. So, HOD Applied Science is suggested to revise the list accordingly.</p>
91.4	<p>To consider distribution of credits for finalizing the grades for Internship semester.</p>	<p>After detailed deliberations, it was decided that as per the recommendations of the Committee, in Part-III, Viva-Voce component should be removed. Also, it was decided to replace “One expert from outside PEC” by “Director’s nominee who may be from inside or outside the institute.”</p>
91.5	<p>To consider award of degree of UG, PG & Ph.D students in Convocation 2020.</p> <p>Due to pandemic situation, it is not possible to hold the Annual Convocation 2020 in near future. It is, therefore, proposed that degrees may be distributed to the students on request.</p>	<p>Senate authorized Dean Academic Affairs to decide the procedure for distribution of degrees.</p>
91.6	<p>To consider the appeal of Mr. Bhavya Chopra, SID 17105030 regarding the punishment given to him</p>	<p>After detailed deliberations, it was decided that his appeal may be dropped and the decisions taken by the Disciplinary Action Committee stands final.</p>
91.7	<p>To consider the request for revocation of termination of Mr. Joydeep Bhunia, SID 19206014, M. Tech Electrical Engineering.</p>	<p>Approved as proposed.</p>

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<p>91.8</p>	<p>Items for ratification/ information</p> <p>1. To consider the request for revocation of termination of Ms. Gagandeep Kaur, SID 19201015, M. Tech Environmental Engineering and semester leave for 20-21-1 and 20-21-2 semesters.</p> <p><i>Item is placed for ratification.</i></p> <p>2. To consider the request for revocation of termination of Mr. Ashok Kumar, SID 20204014, M. Tech Civil Engineering (Structural Engineering) program</p> <p><i>Item is placed for ratification.</i></p> <p>3. To consider termination of PG students from the institute</p> <p><i>Item is placed for ratification/ information.</i></p>	<p>Ratified.</p> <p>Ratified.</p> <p>Ratified.</p>
<p>T-91.1</p>	<p>To consider the request for revocation of termination of Mr. Kuldeep Suyal, SID 19201006, M. Tech Environmental Engineering.</p>	<p>Approved as proposed.</p>
<p>T-91.2</p>	<p>To consider the request for revocation of termination of Mr. Krishna, SID 19201012, M. Tech Environmental Engineering.</p>	<p>Approved as proposed.</p>
<p>T-91.3</p>	<p>To consider modification in Academic Calendar 20-21-2 semester.</p> <p>In the Academic Calendar for even semester 20-21-2, it was earlier proposed to conduct mid-term examination from March 30 to April 01, 2021 and these days were not included in the teaching days. Subsequently, when the decision was taken to continue online teaching for B. Tech 4th, 6th & 8th semester, the schedule of mid-term examination was dropped. It is now proposed to carry out minor revision in the Academic Calendar to include these 3 days in the teaching days. Accordingly, the classes will now end on 20th May 2021. The Academic Calendar with minor revision is placed as <i>Annexure T-91.3</i>.</p>	<p>The earlier Academic Calendar for even semester 20-21-2 stands final. Further, March 30, 31 and April 1, 2021 will be declared as Mid-semester break.</p>
<p>T-91.4</p>	<p>To consider the request for revocation of termination of Mr. Rajesh Maurya, SID 17203024, M. Tech Civil Engineering (Water Resources Engineering).</p>	<p>Approved as proposed.</p>
	<p>Any other item with the permission of chair.</p>	

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Meeting ended with the vote of thanks to Chair.

Attendance sheet – 91th meeting of Senate on 10.02.2021

S.NO.	NAME	Present/ Absent
1	Dr. Dheeraj Sanghi, Director	Chaired
2	Dr. Siby John, Deputy Director	Present
3	Prof. Kunal Nandwani, CEO uTrade Solutions	-
4	Dr. M Rajiv Lochan, Panjab University	Online Present
5	Dr. Balwinder Singh, DFA	-
6	Dr. Sanjeev Kumar, Mechanical Engg., DAA	Present
7	Dr. Sanjeev Kumar, Applied Sc., DSA	Present
8	Dr. Sucheta, HOD Applied Sc.	Present
9	Dr. T K Jindal, HOD Aerospace Engg	Online Present
10	Dr. R R Singh, HOD Civil Engg	Present
11	Dr. Shailendra Singh, HOD CSE	Present
12	Dr. Jagdish Kumar, HOD Electrical Engg	Present
13	Dr. Neena Gupta, HOD ECE	Online Present
14	Dr. S K Mangal, HOD Mechanical Engg	Present
15	Dr. Uma Batra, HOD MME	Present
16	Dr. R S Walia, HOD P& IE	Present
17	Dr. Arun K Singh, ECE	Present
18	Dr. C S Jawalkar, P & IE	Present
19	Dr. Poonam Saini, CSE	Present
20	Dr. Haramrit S Sandhu, CED	Present
21	Ms. Maninder Kaur, Library	Online Present
22	Dr. Sanjay Batish, Computer Centre	Present
23	Dr. Parveen Kalra, Head CoE	Present
24	Dr. Sharda Kaushik, Head CMH	Online Present
25	Prof. Manvjeet (For Head, CSRC)	Present
26	Registrar (Secretary)	Present
27	Dr. Shobhna Dhiman ADPG	Present
28	Dr. Sarbjit Singh, ADUG	Present
29	Dr. J D Sharma, Head CDGC	Present
30	Mr. Piyush Sharma, SAC members	Present
31	Mr. Saksham, SAC members	Online Present
32	Mr. Shantnu Chawla, SID 17109037 SAC members	Online Present
33	Mr. Lavish Garg, SID 17104035 SAC members	Online Present

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

<i>CURRICULAR COMPONENTS</i>	Credits
(A) Institute Core Courses (ICC)	
a) Basic Sciences (BSC)	16
b) Engineering Sciences (ESC)	17
c) General Science (GSN)	04
Total	37
(B) Humanities, Communication and Management Elective Courses (HSSMEC)	12
(C) Department Core Courses (DCC) (including 3 credits of Minor Project)	39
(D) Departmental Elective Courses (DEC)	20
(E) Institute Open Elective Courses (GSE/ HSEC)	
a) Courses	24
b) Project (Compulsory Major Project)- Inter disciplinary	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)	160
(H) Honours	16
Grand Total (For those who opt for degree with Honours)	160+ 16

Note: 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). Major Specialization will be given to a student who earns 16 credits in any one domain of Department Elective courses offered by parent department. To get Honours, the student will have to complete additional 16 credits of discipline Open Electives.

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Semester wise UG Scheme to be implemented w.e.f. 2020-21 session

SEMESTER-I		
S.No.		Credits
1	Orientation (including Introduction to Discipline course-1 credit 14 hours)	2
2	BSC-I (Mathematics)	4
3	BSC-II/ BSC-IV (Physics/ Chemistry)	4
4	GSC-I & GSC-II/ ESC-I	4
5	HSM-I/ ESC-II	3
6	ESC-III/ ESC-IV	3 / 2
	TOTAL	20 / 19

SEMESTER-II		
S.No.		Credits
1	BSC-III (Mathematics)	4
2	BSC-IV/ BSC-II (Chemistry/ Physics)	4
3	ESC-I/ GSC-I & GSC-II	4
4	ESC-II/ HSM-I	3
5	ESC-IV/ ESC-III	2 / 3
6	ESC-V/ ESC-VI	2
	TOTAL	19/ 20

SEMESTER-III		
S.No.		Credits
1	ESC-VII/ HSM-II	3
2	Deptt Core Courses (DCC)	12
3	OE-I	4
4	Industrial Tour	2
	TOTAL	21

SEMESTER-IV		
S.No.		Credits
1	HSM-II/ ESC-VII	3
2	Deptt Core Courses (DCC)	12
3	OE-II	4
4	Proficiency-I	2
	TOTAL	21

SEMESTER-V		
S.No.		Credits
1	DEC-I	4
2	Deptt Core Courses (DCC)	12
3	DEC-II	4
4	Minor Project	3
	TOTAL	23

SEMESTER-VI		
S.No.		Credits
1	Internship Training (Optional)	12
	Students opting for course work will do Deptt. Elective (4 credits), Open Elective (4 credits) and Project Work (4 credits)	
	TOTAL	12

SEMESTER-VII		
S.No.		Credits
1	HSM-III	3
2	DEC-III	4
3	DEC-IV	4
4	OE-III	4
5	OE-IV	4
6	Major Project-I	2
	TOTAL	21

SEMESTER-VIII		
S.No.		Credits
1	HSM-IV	3
2	DEC-V	4
3	OE-V	4
4	OE-VI	4
5	Discipline	2
6	Proficiency-II	2
7	Major Project-II	4
	TOTAL	23

ABBREVIATIONS		
	Basic Science Course	BSC
	Engineering Science Course	ESC
	General Science Course	GSC
	Humanities, Social Sciences & Mgmt.	HSM

ABBREVIATIONS		
	Department Core Course	DCC
	Department Elective Course	DEC
	Open Elective Course	OE

Total Credits = 160 without Honors

Total Credits = 160 + 16 with Honors

Note: 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). Major Specialization will be given to a student who earns 16 credits in any one domain of Department Elective courses offered by parent department. To get Honors, the student will have to complete additional 16 credits of discipline Electives.

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