

**Punjab Engineering College
(Deemed to be University)**

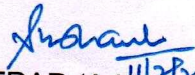
No. PEC/RG/ 2285

Dated: 11 FEB 2021

CIRCULATION OF MINUTES

Subject: Minutes of 90th meeting of Senate.

A copy of minutes of 90th meeting of Senate of Punjab Engineering College (Deemed to be University), Chandigarh held on 10.02.2021 (Wednesday) is enclosed herewith for your information and necessary action.


REGISTRAR (Ad-Interim)

Copy to the following for information & necessary action please:

1. All Senate Members
2. Sh. Kunal Nandwani, Co-founder & CEO, uTrade Solutions, External Senate Member
3. Prof. M Rajiv Lochan, Panjab University, Chandigarh External Senate Member
4. Dr. Sushant Samir, Associate Dean Ph.D, Special Invitee
5. Dr. Shobhna Dhiman, Associate Dean PG, Special Invitee
6. Dr. Sarbjit Singh, Associate Dean UG, Special Invitee
7. Dr. J D Sharma, Head CDGC, Special Invitee
8. PA to Director.

Sector: 12, Chandigarh – 160012

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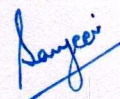
Minutes of 90th meeting of the Senate of Punjab Engineering College (Deemed to be University), Chandigarh

A Brief of meeting and participants:

Date	10.02.2021 (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 <i>Flag 'A'</i>

B. The brief of proceedings is as follows:

Item No.	Item	Decision
90.1	To confirm the minutes of the 89 th meeting of Senate.	Confirmed.
90.2	<p>To consider the new UG curriculum structure of 3rd to 8th semesters for 2020-21 batch onwards.</p> <p>The UG structure and syllabi for UG 1st year was approved in the 89th meeting of Senate held on 04.12.2020. The new curriculum structure for UG 3rd to 8th semesters to be implemented from 2020-21 batch onwards has been recommended by IAPC in its meeting held on 04.02.2021.</p>	After detailed deliberations, the proposed IAPC recommended UG structure/scheme was approved with the minor modification that ESCVII should run in 3 rd and 4 th semester to reduce the department load. Accordingly, HSM-II is shifted to 3 rd and 4 th semesters and OE-II is shifted from 4 th to 5 th semester. Revised semester wise UG scheme and Credit break-up for B. Tech Program (2020-21 batch onwards) are attached as <i>Annexure-I</i> .
90.3	To consider distribution of credits for finalizing the grades for Internship semester.	It was decided that Dean Academic Affairs will propose a Committee to finalize the modalities for grading of students going on internship. The recommendations of the Committee will be put up in next Senate meeting for approval.
90.4	To consider the Academic Calendar for B. Tech 2nd semester (20-21-2 semester) and revised Academic Calendar for B. Tech (2nd, 3rd & 4th Year), M. Tech & Ph.D students for 20-21-2 semester.	Approved as proposed.



Minutes of 90th meeting of Senate of PEC held on 10.02.2021.

90.5	To consider the result of 20-21-1 semester for B. Tech (3 rd , 5 th & 7 th semester), M. Tech and Ph.D. students and 19-20-2 semester for Ph.D students.	Approved as proposed.
90.6	To consider the revision of syllabi of ESC202 (Information Technology in Engineering) course in B. Tech ECE 4 th semester.	Approved as proposed
90.7	To consider the revised course structure, syllabi and re-naming of PG course of M. Tech Prod. & Indl Engg. To M. Tech Prod. & Indl with specialization in Digital Manufacturing.	Approved as proposed.
90.8	To consider the detailed syllabi of three courses offered by CoE (Data Sciences) in 20-21-2 semester. The detailed content of courses namely Statistical Thinking for Data Science (DSC301), Analytical Tools for Data Science (DSC302), Machine Learning for Data Science (DSC303) were received from CoE Data Sciences. Case was discussed & it has been recommended by IAPC in its meeting held on 04.02.2021 that these courses will run exclusively for 6 th semester students as coursework.	Approved as proposed.
90.9	To consider the cases of those students who have registered for improvement due to CGPA requirements. It is proposed that if a student is unable to improve the grade in such cases, his previous grade may be retained.	Approved as proposed. Also, in view of pandemic situation, it was decided that 'F' grade be retained as 'I' in the 19202 and 20211 semesters as a special case and such students will be given one more chance for re-examination.
90.10	To consider semester leave of Prof. R K Mahajan, SID 19308005, Production and Industrial Engineering department for 20211 semester.	Approved as proposed.
90.11	To consider the scheme for Executive M. Tech program in Data Sciences proposed to be started from 21-22-1 semester.	Senate members appreciated the model proposed by Head Data Sciences Centre having versatile and innovative structure as per new National Education Policy-2020. Members were of the view that the nomenclature for the same may be renamed as M. Tech in Data Sciences. However, a detailed proposal is required for this program which may be prepared after taking feedback from Stakeholders and Industry. Further, a survey should be conducted to estimate the demand for such programs.

Sanyal

Minutes of 90th meeting of Senate of PEC held on 10.02.2021.

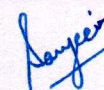
90.12	<p>To consider waiving off of attendance requirements in various courses till 31st July 2021.</p> <p>Keeping in view the current COVID situation and government instructions not to force students to attend the classes, it is proposed that the rule regarding lowering of grades based on attendance may be waived off for all the students till 31st July 2021.</p>	Approved as proposed.
90.13	<p>To consider the request for revoke of termination of Ms. Gagandeep Kaur, SID 19201015, M. Tech Environmental Engineering and conversion of same into Part-time program.</p>	The case will be sent to department for specific recommendations on revocation of termination which will be put up in next Senate meeting.
90.14	<p>To consider award of degree of UG, PG & Ph.D students in Convocation 2020.</p> <p>Due to pandemic situation, it was not possible to hold the Annual Convocation 2020 in the month of October 2020. Now as the situation improves, it is hereby proposed to hold an in person Convocation ceremony for the students passing out in 2020 on 13th March 2021.</p>	It has been decided that Dean Student Affairs will conduct a survey of graduating students on their willingness to attend Convocation on 13.03.2021 without parents or on a later date with parents when the situation improves. Based on the outcome of the survey, date will be decided by Chairman Senate.
T-90.1	<p>To nominate two Professors as members of BOG</p> <p>The term of present BOG is going to end soon. For constituting the new BOG, two Professors of the Institute need to be nominated by the Senate. Senate may nominate two Professors as members of BOG.</p>	<p>The following Professors are recommended by the Senate for the new BOG :</p> <ol style="list-style-type: none"> 1. Prof. Siby John, Civil Engg. Department 2. Prof. Uma Batra, MME Department

Meeting ended with the vote of thanks to Chair.



Attendance sheet – 90th 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



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	DEC-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-I	4
4	Proficiency-I	2
TOTAL		21

SEMESTER-V		
S.No.		Credits
1	OE-II	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		

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 Honours

Total Credits = 160 + 16 with Honours

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.

ESC-I	Introduction to Computing
ESC-II	Engineering Drawing with CAD Software
ESC-III	Introduction to Mechatronics
ESC-IV	Introduction to Electronics & Electrical Engineering

ESC-V	Introduction to Manufacturing
ESC-VI	Strength of Materials
ESC-VII	Artificial Intelligence

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

CURRICULAR COMPONENTS	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.

