

Ref: PU-SOE-CIVIL/2021-2022/BOS-12/CIR01

Date: 31-07-2021

12th BOS MEETING NOTICE

12th Meeting of the Board of Studies of the Department of Civil Engineering, Presidency University - School of Engineering, is convened on Saturday, **7th August, 2021, at 10.00 AM** hosted online from Presidency University Campus, Itgalpur, Rajankunte, Yelahanka, Bengaluru.

Kindly make it convenient to attend the meeting.

AGENDA

Agenda SOE-CIVIL 12.1	To approve the minutes of 11 th Board of Studies Meeting held on 5 th September 2020. Discussion on the Program Regulations & Curriculum [PRC] for the 2020 admitted students - Annexure 1.
Agenda SOE-CIVIL 12.2	Discussion on the Program Regulations & Curriculum [PRC] for the 2019 admitted students - Annexure 2.
Agenda SOE-CIVIL 12.3	Discussion on the Program Regulations & Curriculum [PRC] for the 2018 admitted students - Annexure 3.
Agenda SOE-CIVIL 12.4	Discussion on the Feedback obtained on curriculum from Industry, students, alumni & faculty members - Annexure 4.
Agenda SOE- CIVIL 12.5	Discussion on the Proposed CBCS course grid and the Course catalogues for the 2021 admitted students - Annexure 5.
Agenda SOE-CIVIL 12.6	Discussion on the feedback obtained from Industry, students, faculty members and alumni on the proposed CBCS Course grid - Annexure 6.
Agenda SOE-CIVIL 12.7	Any other matter with the permission of the Chair.

To,

Members & Invitees

Sl. No.	Name	Designation with Affiliation	Position
1.	Dr. Abdul Sharief	Dean, School of Engineering, Presidency University	Chairperson
2.	Dr. S. B Anadinni	Professor and Assoc. Dean, Department of Civil Engineering, School of Engineering, Presidency University	Member
3.	Dr. Jagdish H Godihal	Professor, Department of Civil Engineering, School of Engineering, Presidency University	Member
4.	Dr. Vasant Matsagar	Dogra Chair Professor, Department of Civil Engineering, Indian Institute of Technology, Delhi	External Member (Academic)
5.	Dr. G R Dodagoudar	Professor, Department of Civil Engineering, Indian Institute of Technology, Madras	External Member (Academic)
6.	Mrs. Sangeetha Chachadi	General Manager, Design & Engineering - Structures, Sobha Ltd.	External Member (Industry)
7.	Dr. Nakul Ramanna	Associate Professor and Head, Department of Civil Engineering, School of Engineering, Presidency University	Member Secretary

Permanent Invitees

Shri. Nissar Ahmed, Hon'ble Chancellor, Presidency University

Shri. Salman Ahmed, Hon'ble Board Member, PGI

Dr. D. Subhakar, Vice Chancellor, Presidency University

Dr. Surendra Kumar A M, Pro Vice Chancellor, Presidency University

Member Secretary

Chairperson

City Office: University House, 8/1, King Street, Richmond Town, Bengaluru 560025
Campus: Presidency University, Itgalpur, Rajanakunte, Yelahanka, Bengaluru 560064
Phone: +91 80 49255533 / 5599 Email Id: info@presidencyuniversity.in



SCHOOL OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

Ref: PU-SOE-CIVIL/2021-2022/BOS-12/MOM01

Date: 08-08-2021

Minutes of the 12th Meeting of Board of Studies of Civil Engineering

The 12th meeting of the Board of Studies of Department of Civil Engineering, School of Engineering was held virtually on 07th August, 2021 from 10 am. It was hosted on Microsoft Teams platform by Presidency University, Itgalpur, Rajanukunte, Yelahanka, Bengaluru.

The following members were present:

Sl. No.	Name	Designation with Affiliation	Position
1.	Dr. Abdul Sharief	Dean, School of Engineering, Presidency University	Chairperson
2.	Dr. S. B Anadinni	Professor and Assoc. Dean, Department of Civil Engineering, School of Engineering, Presidency University	Member
3.	Dr. Jagdish H Godihal	Professor, Department of Civil Engineering, School of Engineering, Presidency University	Member
4.	Dr. Vasant Matsagar	Dogra Chair Professor, Department of Civil Engineering, Indian Institute of Technology, Delhi	External Member (Academic)
5.	Dr. G R Dodagoudar	Professor, Department of Civil Engineering, Indian Institute of Technology, Madras	External Member (Academic)
6.	Mrs. Sangeeta Chachadi	General Manager, Design & Engineering - Structures, Sobha Ltd.	External Member (Industry)
7.	Dr. Nakul Ramanna	Associate Professor and Head, Department of Civil Engineering, School of Engineering, Presidency University	Member Secretary

The member secretary / HoD extended a warm welcome to the members, particularly to the external members and introduced all the members in the committee. The chairperson of 12th BoS meeting, Dr Abdul Sharief delivered the opening remarks by requesting BoS members to deliberate on each agenda and to provide constructive suggestions for the effective implementation of the proposed CBCS system.

With the permission of chairperson, the member secretary presented the following agenda points and deliberations were recorded.

Agenda SOE-CIV 12.1: To approve the minutes of 11th Board of Studies Meeting held on 05th September 2020. Discussion on the Program Regulations & Curriculum [PRC] for the 2020 admitted students

Resolution SOE-CIV 12.1: The Minutes of 11th BoS meeting held on 5th September 2020 and its Action Taken Report (ATR) was discussed and approved by the members.

The proposed changes in Program Regulations & Curriculum [PRC] for the 2020 admitted students was presented as in Annexure 1.1 and Annexure 1.2 by the member secretary and the same had been discussed and approved.

Table 1: Illustrating the proposed changes in PRC for 2020 admitted students

Existing Credit Structure				Existing Credit Structure			
S. NO.	TYPE OF COURSES	NO. OF COURSES	CREDITS	S. NO.	TYPE OF COURSES	NO. OF COURSES	CREDITS
1.	Humanities (HS)	3	6	1.	Humanities (HS)	3	6
2.	Management Sciences (MS)	Min. of 2	6	2.	Management Sciences (MS)	Min. of 2	6
3.	Basic Sciences (BS)	9	29	3.	Basic Sciences (BS)	9	27
4.	Engineering Sciences (ES)	7	21	4.	Engineering Sciences (ES)	7	21
5.	Core (Professional) Course (CC)	28	76	5.	Core (Professional) Course (CC)	17	44
6.	Discipline (Professional) Elective (DE)	Min. of 5	15	6.	Discipline (Professional) Elective (DE)	Min. of 15	42
7.	Open Elective (OE)	Min. of 2	6	7.	Open Elective (OE)	Min. of 5	14
8.	Professional Practice (PP)	2	20	8.	Professional Practice (PP)	2	20
9.	Personal and Professional Skills (PPS) (Compulsory to be audited)	4	-	9.	Personal and Professional Skills (PPS) (Compulsory to be audited)	4	-
10.	Social Immersion Course (SIC)	1	1	TOTAL		Min. of 64	180
TOTAL		Min. of 63	180	The mandatory minimum credits required for the award of the B. Tech. (Civil Engineering) Degree is 180 Credits.			
The mandatory minimum credits required for the award of the B. Tech. (Civil Engineering) Degree is 180 Credits.							

Agenda SOE-CIV 12.2: Discussion on the Program Regulations & Curriculum [PRC] for the 2019 admitted students

Resolution SOE-CIV 12.2: The member secretary presented the Program Regulations & Curriculum [PRC] for the 2019 admitted students as listed in Annexure 2. (There are no changes except for the points mentioned under Agenda SOE-CIV 12.7.2).

Agenda SOE-CIV 12.3: Discussion on the Program Regulations & Curriculum [PRC] for the 2018 admitted students

Resolution SOE-CIV 12.3: The member secretary presented the Program Regulations & Curriculum [PRC] for the 2018 admitted students as listed in Annexure 3. There are no changes except for additional open electives proposed by other departments as approved in their respective BoS as well as the points mentioned under Agenda SOE-CIV 12.7.1, 12.7.3 and 12.7.4.

Agenda SOE-CIV 12.4: Discussion on the Feedback obtained on curriculum from Industry, students, alumni & faculty members

Resolution SOE-CIV 12.4: The member secretary presented the gist of feedback obtained on existing curriculum from Industry, students, alumni & faculty members as listed in Annexure 4 and highlighted the necessity of revamping the curriculum towards flexible Choice based Credit System (CBCS). All the members have appreciated the efforts.

Agenda SOE-CIV 12.5: Discussion on the Proposed CBCS course grid and the Course catalogues for the 2021 admitted students

Resolution SOE-CIV 12.5: The member secretary presented the salient features of proposed program structure and CBCS Course grid including course catalogues in Annexure 5.1 and Annexure 5.2 which was duly approved after much deliberations with the following discussion points.

1. Dr. Dodagoudar suggested to rename the OE course CIV 1001 - Disaster management and mitigation to 'Disaster mitigation and management'.

✓ **Resolution SOE-CIV 12.5.1:** Course name changed as suggested by the committee.

2. Dr. Vasant Matsagar and Dr. Dodagoudar suggested that course codes should reflect the level of difficulty accordingly in BTech and MTech Program.

✓ **Resolution SOE-CIV 12.5.2:** Course codes for BTech and MTech programs were updated per the suggestions of the committee after due approval by Dean Academics and Vice Chancellor.

3. Dr. Vasant Matsagar and Dr. Dodagoudar opined that use of software programs for assignments should be avoided as it will hamper learning.

✓ **Resolution SOE-CIV 12.5.3:** After deliberations it was agreed that use of structural analysis and design programs will not be permitted for assignments but programming tools such as Matlab and Excel will be used where necessary.

4. Dr. Vasant Matsagar and Dr. Dodagoudar suggested changing the name of Advanced Engineering Mathematics course, offered in MTech BCT program, to reflect the contents of the course.

Resolution SOE-CIV 12.5.4: The suggestions were brought to the notice of Mathematic department, Dean Academics and Vice Chancellor. The issue will be deliberated in the next BOS meeting of Mathematics department and will be updated to the committee.

5. Dr. Dodagoudar suggested to limit the choice of courses for the the first two years of BTech program as the students many not be capable of making informed decisions, and consequently increase faculty requirement / workload.

Resolution SOE-CIV 12.5.5: The suggestions were brought to the notice of Dean Academics and Vice Chancellor. To address the issue students will be given access to mentors at department level and charted course plan(s) to help them select courses within the confines of CBCS curriculum.

6. Mrs. Sangeeta Chachadi suggested to expose students to current trends in the industry such as Helipad design in tall buildings, Form-work design, Case studies of structural / engineering failures, Structural safety and Building inspection, through site visits and elective courses.

Resolution SOE-CIV 12.5.6: Per the suggestions, new modules will be incorporated in current courses where applicable. The committee was also briefed that students are exposed to current trends and technology in industry through webinars and workshops organized by Force Forum, Department of Civil Engineering, Presidency University. Also, third and final year students are taken on Industrial Visits to broaden their horizon and bridge the gap between industry and academia. Students also have the option of pursuing internship or university project in their third and final year to make the most of learning opportunities available to them.

7. Dr. Vasant Matsagar suggested that topics should not be included in pre-requisites, instead only course names should be listed.

Resolution SOE-CIV 12.5.7: The suggestion was brought to the notice of Dean Academics who discoursed that faculty could test the students on these topics to determine eligibility to take the course, if necessary.

Agenda SOE-CIV 12.6: Discussion on the feedback obtained from Industry, students, faculty members and alumni on the proposed CBCS Course grid

Resolution SOE-CIV 12.6: The feedback questionnaires which were shared to the stake holders, its responses, recommendations and action taken on recommendations was presented by the member secretary as listed in Annexure 6. The committee has appreciated the motive of the exercise. It was suggested to include a text box for the questionnaires in the event the stakeholder wanted to provide additional comments or justification. The committee also opined that the feasible suggestions from stakeholders should be utilized to update the curriculum at the earliest.

Agenda SOE-CIV 12.7: Any other matter with the permission of the Chair.

1. To ratify the proposal of transfer of credits for Aptitude Training of 3 credits and Coding Training of 2 credits for the 2018 admitted students in lieu of the 5 credits course of Professional Practice 1 (Annexure 7)

Resolution SOE-CIV 12.7.1: The member secretary presented the course handouts of Aptitude Training course of 3 credits and Coding Training course of 2 credits (Annexure 7) for the 2018 admitted students in lieu of PP-1 and the proposal to transfer credits was approved by the committee members.

2. To ratify the proposal of allowing the 2019 admitted students to register for the 'SMART MANAGERS' Certificate program offered by AIU- CII for partial transfer of credit (1 credit) in lieu of the 5 credits course of Professional Practice-I (Annexure 8)

Resolution SOE-CIV 12.7.2: The course handout for the "SMART MANAGERS' Certificate programs offered by AIU- CII for 1 credit, and Soft skill course, Aptitude & Coding training course for 4 credits in lieu of PP-1 for 2019 admitted students was presented by the member secretary and the same was ratified by the committee. This is presented in Annexure 8.

3. To ratify the course contents of 2019-2020 & 2020-2021 academic year courses of various programs and semesters as approved by the BOS chairpersons based on the approval of the respective Departmental Academic Committees [DAC].

Resolution SOE-CIV 12.7.3: The course contents/ course handouts for the Academic Year 2019-2020 & 2020-2021 were approved.

4. To approve EdX courses as a substitute for Open Elective course for 2018 admitted students (Annexure 9)

Resolution SOE-CIV 12.7.4: EdX courses, shown in Annexure 9, was proposed as a substitute for one 3 credit open elective course for 2018 admitted students, which could be availed in the seventh semester of their B.Tech Program. It was approved by the committee as presented.

5. To approve the list of External examiners (Annexure 10)








Resolution SOE-CIV 12.7.5: The list of external examiners of Civil Department was presented to the BOS committee, as shown in Annexure 10. Committee approved the list but opined that criterion has to be set for selection and approval of external examiners. The committee has authorized BoS chairperson to append examiners on need basis.

6. To approve Value Added Courses offered by Civil Department (Annexure 11)

Resolution SOE-CIV 12.7.6: The list of Value-Added Courses offered by the department, including ratification of 5 new courses offered in Summer Term of Academic Year 2020-21, was presented to the committee (Annexure 11). The external experts appreciated the efforts of faculty and university for offering these courses to students and approved it.

The BoS Committee has authorized the chairperson of the BoS for Civil Engineering to incorporate minor corrections / edits, if required, wherever necessary.

The BOS Chairperson has assured that the decisions taken during the 12th BoS meeting for Civil Engineering will be implemented as early as possible and will be conveyed to all stakeholders. The Chairperson and member secretary expressed special thanks to all the members and requested to extend the same support for future activities.

Sl. No.	Name	Position	Signature
1.	Dr. Abdul Sharief	Chairperson	
2.	Dr. S. B. Anadinni	Member	
3.	Dr. Jagdish H Godihal	Member	
4.	Dr. Vasant Matsagar	External Member (Academic)	
5.	Dr. G R Dodagoudar	External Member (Academic)	
6.	Mrs. Sangeeta Chachadi	External Member (Industry)	
7.	Dr. Nakul Ramanna	Member Secretary	

ANNEXURE CIV 12.5.2



PRESIDENCY UNIVERSITY

Presidency University Act, 2013 of the Karnataka Act No. 41 of 2013 | Established under Section 2(f) of UGC Act, 1956
Approved by AICTE, New Delhi



School of Engineering

Department of Civil Engineering

Master of Technology Degree

Program Regulations and Curriculum 2021-2023

M. Tech. (Building Construction Technology)

2021-2023



M. TECH. [BUILDING CONSTRUCTION TECHNOLOGY]

PROGRAM STRUCTURE

I Sem								
S. No.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE			CONTACT HOURS	TYPE OF SKILL/ FOCUS	COURSE INTEGRATES
			L	P	CREDIT			
1	MAT6001	Advanced Engineering Mathematics	3	0	3	3	S ¹	
2	ENG5001	English for Employability	2	2	3	4	S	HP ⁴
3	CIV6001	Advanced Construction Materials and Technology	2	2	3	4	EM ²	ES ⁵
4	CIV5005	Quality, Risk and Safety in Construction	3	0	3	3	EN ³	HP/ GS ⁶
5	CIV5006	Construction Planning, Schedule and Control	2	2	3	4	EN	HP
6	CIVXXXX	Discipline Elective - I	3	0	3	3		
7	CIVXXXX	Discipline Elective - II	3	0	3	3		
8	SEM5001	Seminar – I	-	-	1	-	S	
TOTAL			18	6	22	24		
¹ Skill Development ² Employability Skills ³ Entrepreneurship Skills						⁴ Human Values and Professional Ethics ⁵ Environment and Sustainability ⁶ Gender Sensitization		

II Sem								
S. No.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE			CONTACT HOURS	TYPE OF SKILL/ FOCUS	COURSE INTEGRATES
			L	P	CREDIT			
1	CIV5007	Construction Economics and Contract Specifications	3	0	3	3	EN	HP
2	CIV6002	Building Services and Building Information Modelling	2	2	3	4	EN	HP/ ES
3	CIVXXXX	Discipline Elective - III	3	0	3	3		
4	CIVXXXX	Discipline Elective - IV	3	0	3	3		
5	CIVXXXX	Discipline Elective - V	3	0	3	3		
6	XXX XXXX	Open Elective - I	3	0	3	3		
7	XXX XXXX	Open Elective - II	3	0	3	3		
8	SEM5002	Seminar – II	-	-	1	-	S	
TOTAL			20	2	22	22		

III Sem								
S. No.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE			CONTACT HOURS	TYPE OF SKILL/ FOCUS	COURSE INTEGRATIONS
			L	P	CREDIT			
1	PIP6001	Dissertation/ Internship - I	-	-	10	-	EN	HP / ES
TOTAL			-	-	10	-		

IV Sem								
S. No.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE			CONTACT HOURS	TYPE OF SKILL/ FOCUS	COURSE INTEGRATIONS
			L	P	CREDIT			
1	PIP6002	Dissertation/ Internship - II	-	-	14	-	EN	HP / ES