



PRESIDENCY UNIVERSITY

Private University Estd. in Karnataka State by Act No. 41 of 2013

REF. No.: PU/SoE/CIV/BOS-09/2018-19/CIR01

Date: 22-04-2019

9th BOS MEETING NOTICE

The 9th Board of Studies (BoS) meeting of Department of Civil Engineering is scheduled on 4th May, 2019 (Saturday) at 10.00 AM in Presidency University Campus. You are hereby requested to make yourself convenient to attend the meeting.

Agenda:

CIV 9.1: Approval of the Minutes of 8th Board of Studies meeting.

CIV 9.2 Action Taken Report for 8th BOS meeting.

CIV 9.3: Approval of B.Tech program regulations and curriculum of 2019-2023, 2018-2022, 2017- 2021, and 2016-2020 batches.

CIV 9.4: Approval of program regulations and curriculum of 2019-2021 batch for M.Tech in Building Construction Technology

CIV 9.5: Inclusion to Discipline and Open Elective Courses.

CIV 9.6: Inclusion of NPTEL Courses as Elective Courses.

CIV 9.7: Amendment to the course content and text books / reference books for Civil Engineering Courses (B.Tech Program)

CIV 9.8: Approval of External Examiners

CIV 9.9: Any other matter with permission from the Chair.

Chairperson
BoS Committee

Copy to:

- Pro-Chancellor, PU
- Registrar, PU
- Dean-SoE, PU
- Vice-Chancellor, PU
- Pro-Vice-chancellor, PU
- Dean-Academics, PU

Members of the committee:

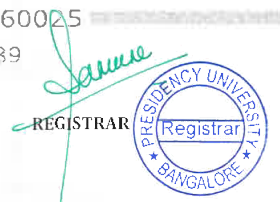
1	Dr. S.B. Anadinni	9	Dr. Srikanth Naik, Professor, MSRIT
2	Dr. Sukomal Mandal	10	Dr. L. Govindaraju, Professor, UVCE
3	Dr. Nakul Ramanna	11	Dr. Sanjiv Aundhe, Citius Projects
4	Dr. Chandankeri Ganapathi Gurlingappa	12	Dr. Amiya Goswami
5	Dr. K. Venkatesh Raju	13	Dr. Jagdish Godihal
6	Mr. Bhavan Kumar	14	Mr. Aaron Darius Vaz
7	Dr. Devendra Dandotiya	15	Ms. Navaneetha H.
8	Mr. Bhairab Jyoti Gogoi	16	Ms. Shwetha. A

City Office: University House, 8/1, King Street, Richmond Town, Bengaluru 560025

Campus: Presidency University, Itgalpur, Rajanakunte, Yelahanka, Bengaluru 560 089

Phone: +91 80 4925 5533 / 5599 Email ID: info@presidencyuniversity.in

www.presidencyuniversity.in



REGISTRAR





PRESIDENCY
UNIVERSITY

SCHOOL OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

Ref. No: PU/SOE/CIV/BOS-09/2018-19/M:OM-02

Date: 4th May 2019

Minutes of the 9th Meeting of Board of Studies (Civil Engineering – BOS – CIV)

The 9th meeting of the Board of Studies of the Civil Engineering was held on 4th May, 2019 at 11 am in Room No. MG03, in the presence / absence of following members of the committee.

The following members were present:

Name	Designation	Status
Dr. S.B. Anadinni	Professor and HOD SoE, PU, Bengaluru	Chairman Ex-Officio
Dr. Sukomal Mandal	Professor SoE, PU, Bengaluru	Internal Member (Nominated by VC within the Department)
Dr. Nakul Ramanna	Associate Professor SoE, PU, Bengaluru	Internal Member (Nominated by VC within the Department)
Dr. Chandankeri Ganapathi Gurlingappa	Associate Professor SoE, PU, Bengaluru	Internal Member (Nominated by VC within the Department)
Dr. K. Venkatesh Raju	Assistant Professor SoE, PU, Bengaluru	Internal Member (Nominated by VC within the Department)
Mr. Bhavan Kumar	Assistant Professor SoE, PU, Bengaluru	Internal Member (Nominated by VC within the Department)
Dr. Devendra Dandotiya	Assistant Professor SoE, PU, Bengaluru	Internal Member (Nominated by VC from the sister Department)
Mr. Bhairab Jyoti Gogoi	Assistant Professor SoE, PU, Bengaluru	Internal Member (Nominated by VC from the sister Department)
Dr. Srikanth M. Naik	Professor, Civil Engineering MS Ramaiah Institute of Technology, Bengaluru	External Member (Academic)
Dr. L. Govindaraju	Professor, Civil Engineering, UVCE, Bengaluru	External Member (Academic)
Dr. Sanjiv Aundhe	Director, Citius Project	External Member (Industry)



Name	Designation	Status
Dr. Aniya Gokswami	Associate Professor SoE, PU, Bengaluru	Special Invitee
Dr. Jagdish Gobina	Professor SoE, PU, Bengaluru	Special Invitee
Mr. Aaron Darius Vaz	Assistant Professor SoE, PU, Bengaluru	Special Invitee
Ms. Navaneetha H	Assistant Professor SoE, PU, Bengaluru	Special Invitee
Ms. Shwetha. A	Assistant Professor SoE, PU, Bengaluru	Member Secretary (Nominated by VC within the Department)

The following members were given leave of absence:

Name	Designation	Status
Dr. Devendra Dandotiya	Assistant Professor SoE, PU, Bengaluru	Internal Member (Nominated by VC from the sister Department)
Ms. Navaneetha H	Assistant Professor SoE, PU, Bengaluru	Special Invitee

Welcome:

Dr. S.B. Anadinni, Chairman of the Board of Studies (BoS) for Civil Engineering has extended warm welcome to all the members, particularly to the external members and the Special Invitees. Further, he has expressed his pleasure to have youngsters in his team.

Introduction:

At the outset, Dr. Anadinni, Chairman of BoS for Civil Engineering, has introduced all the members. The chairman has briefed the need for conducting 9th BoS meeting and requested the members to go through the proposed Program Regulations and Curriculum of 2019-2023 batch meticulously as it is considered as the basic structure for B.Tech. Civil Engineering in Presidency University, Bengaluru. The chairman also requested the committee to review Program Regulations and Curriculum of 2019-2021 batch of M.Tech in Building Construction Technology.

Dr. Anadinni has also requested suggestions from the members of BoS to incorporate essential modifications, if required, in the Program Structure and Curriculum of 2018-2022, 2017-2021 and 2016-2020 batches of B.Tech Civil Engineering, in line with the PRC of 2019-2023 batch.

Agenda CIV 9.1: Approval of the Minutes of 8th Board of Studies meeting:

The minutes of the 8th meeting of the Board of Studies of Civil Engineering held on 12th January, 2019 was placed before the members and the same was confirmed.

Agenda CIV 9.2: Action Taken Report.

The action taken report on the previous minutes was presented by the Chairperson, and summarized below.

1. Program Regulations and Curriculum of 2018-2022, 2017-2021, 2016-2020 and 2015-2019 batches of B.Tech Civil Engineering was amended per committee's suggestions.
2. New discipline and open electives were added to curriculum, including NPTEL courses.
3. Extensive survey project was moved from 4th to 6th Semester for 2018-2022 batch of B.Tech Civil Engineering.
4. Program structure and curriculum for 2019-2021 batch of M.Tech in Building Construction Technology was approved by BOS committee members.

The above was noted and taken on record.

Agenda CIV 9.3: Approval of B.Tech program regulations and curriculum of 2019-2023, 2018-2022, 2017-2021, and 2016-2020 batches.

Comment: The chairman proposed Program regulations and Curriculum of 2019-2023, 2018-2022, 2017-2021, and 2016-2020 batches, as given in Annexure CIV 9.3.1.

Resolution: The members have approved the proposal and suggested to incorporate necessary modifications in the Program Regulations and Curriculum of 2019-2023. The members have approved same changes in the existing program regulations and curriculum of 2018-2022, 2017-2021, and 2016-2020, as applicable.

Agenda CIV 9.4: Approval of program regulations and curriculum of 2019-2021 batch for M.Tech in Building Construction Technology.

Comment: The chairman has proposed Program Regulations and Curriculum of 2019-2021 of M.Tech Building Construction Technology for approval, as given in Annexure CIV 9.4.1.

Resolution: The members have approved the proposal and suggested to incorporate necessary modifications in the Program Regulations and Curriculum of 2019-2021.

Agenda CIV 9.5: Inclusion to Discipline and Open Elective Courses.

Comment: The chairman has proposed the inclusion of new discipline and open elective courses shown in Annexure CIV 9.5.1 for B.Tech Civil Engineering and Annexure CIV 9.5.2 for M.Tech Building Construction Technology.

Resolution: The members have approved the inclusion of new discipline and open elective courses in the programme structure and curriculum of 2019-2023, 2018-2022, 2017-2021, and 2016-2020 of B.Tech Civil Engineering, as applicable. The members have also approved the proposed discipline and open elective courses in the programme structure and curriculum of 2019-2021 batch of M.Tech Building Construction Technology.

Agenda CIV 9.6: Inclusion of NPTEL Courses as Elective Courses.

Comment: The chairman has proposed the inclusion of NPTEL courses (12 weeks duration) as elective courses. The list of courses is given in Annexure CIV 9.6.1 for B.Tech Civil Engineering and Annexure CIV 9.6.2 for M.Tech Building Construction Technology.

Resolution: The members have approved the inclusion of NPTEL courses as presented in Annexure CIV 9.6.1 and 9.6.2.

Agenda CIV 9.7: Amendment to the course content and text books / reference books for Civil Engineering Courses (B.Tech Program)

Comment: The chairman proposed updated course content and text book / reference books for various B.Tech Civil Engineering courses (Annexure CIV 9.7.1), and M.Tech Building Construction Technology courses (Annexure CIV 9.7.2).

Resolution: The members have approved the proposed changes in course content and text book / reference books as presented in Annexures CIV 9.7.1 and 9.7.2.

Agenda CIV 9.8: Approval of External Examiners

Comment: The chairman proposed list of external examiners to the committee for approval, as given in Annexure 9.8.1

Resolution: The members have approved the panel of external examiners. The committee also suggested to include more examiners from other autonomous universities such as CMR, Dayanand Sagar. It was further noted that BoS chairman is authorized to include the examiners on need basis.

Agenda CIV 9.9: Any other matter with permission from the Chair.

Comment 1: The committee suggested to change the names of following courses to aptly reflect the course content:

CIV 210 – ‘Soil Mechanics’ to ‘Geotechnical Engineering’

CIV 211 – ‘Design of RC Elements’ to ‘Design of RC Structural Elements’

CIV 260 – ‘Soil Mechanics Lab’ to ‘Geotechnical Engineering Lab’

CIV 220 – ‘Highway and Pavement Engineering’ to ‘Highway Engineering’

CIV 305 – ‘Geographical Information System’ to ‘Remote Sensing and Geographical Information System’

CIV 326 – ‘Theory of Elasticity and Plasticity’ to ‘Theory of Elasticity’

Resolution 1: The chairman has agreed to change the names of the courses, as suggested by committee, in the PRC of 2019-2023, 2018-2022, 2017-2021, and 2016-2020 batches of B.Tech Civil Engineering, as applicable.

Comment 2: The committee deliberated on value added courses to be offered in the department. Training programs on software, Faculty / Student Development Programs, Student competitions and workshops was recommended.

Resolution 2: The chairman has agreed to implement value added courses in the PRC of 2019-2023, 2018-2022, 2017-2021, and 2016-2020 batches of B.Tech Civil Engineering, and 2019-2021 M.Tech Building Construction Technology, as applicable

Comment 3: The committee suggested to include pre-requisites for all courses, especially Discipline and Open electives. Advising students on choices of Discipline and Open electives was also emphasized. It was also recommended to include latest edition number for Text Books and Reference Books.

Comment 4: Minor edits to M.Tech Courses: CIV 701, CIV 703, CIV 707, CIV 709 – were suggested to avoid overlap on topics and bring clarity. Additions to text books/references were also recommended for courses CIV 220, CIV 225, CIV 255, CIV 320, CIV 321 and CIV 326.



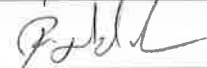
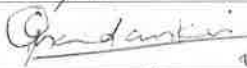




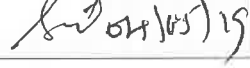
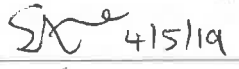
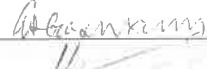



Resolution 3 and 4: The chairman has agreed to implement the aforementioned suggestions in PRC of 2019-2023, 2018-2022, 2017-2021, and 2016-2020 batches of B.Tech Civil Engineering, and 2019-2021 M.Tech Building Construction Technology, as applicable.

The meeting ended with Vote of Thanks to the Chair.

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

Dr. S.B. Anadinni has conveyed that the decisions taken during the 9th meeting of BoS for the Civil Engineering will be implemented in the PRC of 2019-2023, 2018-2022, 2017-2021 and 2016-2020 batches of B.Tech Civil Engineering, and 2019-2021 batch of M.Tech Building Construction Technology, as applicable. He appreciated all the members for their active participation and valuable inputs. The chairperson concluded the session, with a thank you note to all the members.

BoS Committee:

Name	Designation	Signature with date
Dr. S.B. Anadinni	Chairman Ex-Officio	
Dr. Sukomal Mandal	Internal Member (Nominated by VC within the Department)	 4/5/19
Dr. Nakul Ramanna	Internal Member (Nominated by VC within the Department)	
Dr. Chandankeri Ganapathi Gurlingappa	Internal Member (Nominated by VC within the Department)	 4/5/19
Dr. K. Venkatesh Raju	Internal Member (Nominated by VC within the Department)	 04/05/19
Mr. Bhavan Kumar	Internal Member (Nominated by VC within the Department)	
Dr. Devendra Dandotiya	Internal Member (Nominated by VC from the sister Department)	
Mr. Bhairab Jyoti Gogoi	Internal Member (Nominated by VC from the sister Department)	 4/5/19
Dr. Srikanth M. Naik	External Member (Academic)	
Dr. L. Govindaraju	External Member (Academic)	 04/05/19
Dr. Sanjiv Aundhe	External Member (Industry)	 4/5/19
Dr. Amiya Goswami	Special Invitee	
Dr. Jagdish Godihal	Special Invitee	
Mr. Aaron Darius Vaz	Special Invitee	
Ms. Navaneetha H	Special Invitee	
Ms. Shwetha. A	Member Secretary (Nominated by VC within the Department)	

BOS MEETING MINUTES


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Annexure CIV 9.3.1

First year courses are common to all branches of BTech.
These courses run in 2 cycles - Physics Cycle and Chemistry cycle

2019-2023 Batch: Proposed and Approved Program Structure

I SEMESHER - PHYSICS CYCLE (Aug-Dec)*							
S. No.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE				CONTACT HOURS
			L	T	P	CREDITS	
1	MAT 101	Engineering Mathematics – I	3	1	0	4	4
2	PHY 101	Engineering Physics	4	0	0	4	4
3	EEE 101	Elements of Electrical Engineering	3	0	0	3	3
4	CIV 101	Elements of Civil Engineering	3	0	0	3	3
5	MEC 152	Engineering Graphics	2	0	4	4	6
6	ENG 103	Technical written communication	2	1	0	3	3
7	PHY 151	Engineering Physics Lab	0	0	2	1	2
8	MEC 151	Workshop Practice	0	0	2	1	2
9	PPS 105	Building Self Confidence	0	0	2	1	2
TOTAL			17	2	10	24	29

I SEMESHER - CHEMISTRY CYCLE (Aug-Dec)#							
S. No.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE				CONTACT HOURS
			L	T	P	CREDITS	
1	MAT 101	Engineering Mathematics – I	3	1	0	4	4
2	CHE 101	Engineering Chemistry	4	0	0	4	4
3	ECE 101	Elements of Electronics Engineering	3	0	0	3	3
4	MEC 101	Elements of Mechanical Engineering	3	0	0	3	3
5	CIV 102	Environmental Science and Disaster Management	3	0	0	3	3
6	ENG 104	Technical spoken communication	1	0	2	2	3
7	CSE 151	Computer Programming	2	0	4	4	6
8	CHE 151	Engineering Chemistry Lab	0	0	2	1	2
9	PPS 105	Building Self Confidence	0	0	2	1	2
TOTAL			19	1	10	25	30

II SEMESHER - CHEMISTRY CYCLE (Jan-May)*							
S. No.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE				CONTACT HOURS
			L	T	P	CREDITS	
1	MAT 102	Engineering Mathematics – II	3	1	0	4	4
2	CHE 101	Engineering Chemistry	4	0	0	4	4
3	ECE 101	Elements of Electronics Engineering	3	0	0	3	3
4	MEC 101	Elements of Mechanical Engineering	3	0	0	3	3
5	CIV 102	Environmental Science and Disaster Management	3	0	0	3	3
6	ENG 104	Technical spoken communication	1	0	2	2	3
7	CSE 151	Computer Programming	2	0	4	4	6
8	CHE 151	Engineering Chemistry Lab	0	0	2	1	2
9	PPS 106	Effective Communication	0	0	2	1	2
TOTAL			19	1	10	25	30

II SEMESHER - PHYSICS CYCLE (Jan-May)#							
S. No.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE				CONTACT HOURS
			L	T	P	CREDITS	
1	MAT 102	Engineering Mathematics –II	3	1	0	4	4
2	PHY 101	Engineering Physics	4	0	0	4	4
3	EEE 101	Elements of Electrical Engineering	3	0	0	3	3
4	CIV 101	Elements of Civil Engineering	3	0	0	3	3
5	MEC 152	Engineering Graphics	2	0	4	4	6
6	ENG 103	Technical Written Communication	2	1	0	3	3
7	PHY 151	Engineering Physics Lab	0	0	2	1	2
8	MEC 151	Workshop Practice	0	0	2	1	2
9	PPS 106	Effective Communication	0	0	2	1	2
TOTAL			17	2	10	24	29

Program regulations and Curriculum of 2019-2023 and 2018-2022 batches
(Second, Third and Fourth Year)

III SEMESTER									
S. No.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE				CONTACT HOURS	TYPE OF SKILL/ FOCUS	COURSE INTEGRATES
			L	T	P	CREDITS			
1	MAT 103	Engineering Mathematics – III	3	1	0	4	4		
2	CIV 201	Strength of Materials	3	1	0	4	4	Skill Development	Sustainability
3	CIV 202	Surveying	3	1	0	4	4	Employability	Ethics
4	CIV 203	Engineering Geology	3	0	0	3	3	Employability	Env. & Sustainability
5	CIV 208	Fluid Mechanics	3	1	0	4	4	Skill Development	Sustainability
6	CIV 219	Building Materials and Concrete Technology	3	0	0	3	3	Employability	Env. & Sustainability
7	CIV 263	Basic Materials Testing Lab	0	0	2	1	2	Skill Development	Ethics
8	CIV 252	Surveying Practice	0	0	2	1	2	Skill Development	Env. & Sustainability
9	PPS 107	Design Thinking and Team Building	0	0	2	1	2	Entrepreneurship	Human Val & Ethics
TOTAL			18	4	6	25	28		

IV SEMESTER									
S. No.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE				CONTACT HOURS	TYPE OF SKILL/ FOCUS	COURSE INTEGRATES
			L	T	P	CREDITS			
1	MAT 104	Engineering Mathematics – IV	3	1	0	4	4		
2	CIV 205	Structural Analysis-I	3	1	0	4	4	Skill Development	Ethics
3	CIV 210	Geotechnical Engineering	3	1	0	4	4	Employability	Env. & Sustainability
4	CIV 220	Highway Engineering	3	1	0	4	4	Employability	Env. & Sustainability
5	CIV 221	Water Resources Systems	3	0	0	3	3	Employability	Env. & Sustainability
6	CIV 253	Engineering Geology Lab	0	0	2	1	2	Skill Development	Env. & Sustainability
7	CIV 254	Fluid Mechanics Lab	0	0	2	1	2	Skill Development	Env. & Sustainability
8	PPS 108	Being Corporate Ready	0	0	2	1	2	Skill Development	Human Val & Ethics
TOTAL			15	4	6	22	25		

V SEMESTER

S. No.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE				CONTACT HOURS	TYPE OF SKILL/ FOCUS	COURSE INTEGRATES
			L	T	P	CREDITS			
1	CIV 209	Structural Analysis-II	3	1	0	4	4	Skill Development	Ethics
2	CIV 211	Design of RC Structural Elements	3	1	0	4	4	Employability	Sustainability
3	CIV 214	Foundation Engineering	3	0	0	3	3	Employability	Sustainability
4	MGT 113/ MGT 112	Digital Entrepreneurship / Engineering Economics	3	0	0	3	3	Entrepreneurship / Skill Develop.	Human Val & Ethics
5	CIV 3XX	Discipline Elective I	3	0	0	3	3	Employability	Sustainability
6	CIV 3XX	Discipline Elective II	3	0	0	3	3	Skill Development	Sustainability
7	CIV 258	Computer Aided Building Drawing Lab	0	0	2	1	2	Skill Development	Sustainability
8	CIV 260	Geotechnical Engineering Lab	0	0	2	1	2	Skill Development	Env. & Sustainability
9	ULC 101	University Learning Course ⁺⁺	0	0	0	1	-	Skill Development	Env. & Sustainability
10	PIP 101	Professional Practice-I ^{***}				5		Employability	Ethics
TOTAL			18	2	4	27/28	24		

VI SEMESTER

S. No.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE				CONTACT HOURS	TYPE OF SKILL/ FOCUS	COURSE INTEGRATES
			L	T	P	CREDITS			
1	CIV 213	Design of Structural Steel Elements	3	1	0	4	4	Employability	Sustainability
2	CIV 222	Water Infrastructure Systems	3	0	0	3	3	Employability	Env. & Sustainability
3	MGT 113/ MGT 112	Digital Entrepreneurship / Engineering Economics	3	0	0	3	3	Entrepreneurship / Skill Develop.	Human Val & Ethics
4	CIV 3XX	Discipline Elective - III	3	0	0	3	3	Employability	Sustainability
5	XXX 4XX	Open Elective I	3	0	0	3	3	Employability	Sustainability
6	CIV 261	Computer Aided Structural Analysis Lab	0	0	2	1	2	Skill Development	Sustainability
7	CIV 262	Concrete and Highway Materials Testing Lab	0	0	2	1	2	Skill Development	Sustainability
8	CIV 255	Extensive Survey Project ^{##}				3		Skill Development	Env. & Sustainability
9	ULC 101	University Learning Course ⁺⁺				1		Skill Development	Env. & Sustainability
TOTAL			15	1	4	21/22	20		

VII SEMESTER

S. No.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE				CONTACT HOURS	TYPE OF SKILL/ FOCUS	COURSE INTEGRATES
			L	T	P	CREDITS			
1	CIV 215	Estimating, Costing and Valuation	3	1	0	4	4	Employability	Ethics
2	CIV 223	Waste Water Treatment and Disposal Systems	3	0	0	3	3	Employability	Env. & Sustainability
3	CIV 224	Design of Irrigation Water Resources Systems	3	0	0	3	3	Employability	Env. & Sustainability
4	CIV 225	Railway, Airport and Harbour Engineering	3	0	0	3	3	Employability	Env. & Sustainability
5	CIV 3XX	Discipline Elective IV	3	0	0	3	3	Skill Development	Sustainability
6	XXX 4XX	Open Elective – II	3	0	0	3	3	Skill Development	Sustainability
7	CIV 259	Environmental Engineering Lab	0	0	2	1	2	Skill Development	Env. & Sustainability
TOTAL			18	1	2	20	21		

VIII SEMESTER

S. No.	COURSE CODE	COURSE NAME	CREDIT STRUCTURE				CONTACT HOURS	TYPE OF SKILL/ FOCUS	COURSE INTEGRATES
			L	T	P	CREDITS			
1	PIP 102	Professional Practice - II				15	6	Employability	Ethics
TOTAL			0	0	0	15	6		