

Minutes of Board of Studies Meeting: Civil Engineering Department
School of Technology (SoT),
Pandit Deendayal Energy University
Gandhinagar, Gujarat-382421

Date: 31/12/2021
Time: 11.00 to 1.00
Venue: Microsoft Team

A. Members of Board of Studies

Name of BoS Member	Name of Organization and Designation	Present / Absent	Remarks
Dr. Tejaskumar Thaker	Head & Associate Professor, Department of Civil Engineering, PDEU	Present	Chairman
Dr. Dhruvesh Patel	Associate Professor, Department of Civil Engineering, PDEU	Absent	Member Internal
Dr. Rajesh Gujar	Assistant Professor, Department of Civil Engineering, PDEU	Present	Member Internal
Dr. Niragi Dave,	Assistant Professor, Department of Civil Engineering, PDEU	Present	Member Internal
Dr. Debasis Sarkar	Associate Professor, Department of Civil Engineering, PDEU	Present	Invited Member Internal
Dr. Anurag Kandyia	Associate Professor, Department of Civil Engineering, PDEU	Present	Invited Member Internal
Dr. Lavish Pamwani	Assistant Professor, Department of Civil Engineering, PDEU	Present	Invited Member Internal
Mr. M. Manivel	Assistant Professor, Department of Civil Engineering, PDEU	Present	Invited Member Internal
Dr. Shriniwas Arkatkar	Associate Professor, Department of Civil Engineering, SVNIT Surat	Present	External Member-Academics
Prof. Devanshu Pandit	Professor, CEPT University, Ahmedabad	Present	External Member-Academics
Mr. Vishwas Kelkar	DGM Highways, Infinite Civil Solution Pvt. Ltd., Gandhinagar	Present	External Member from Industry
Mr. Maulik Shah	Head of CSA (Civil, Structure & Architecture) department, L&T Technology Services, Vadodara	Absent (Entire Curriculum is sent in advance, suggestions are received)	External Member from Industry
Mr. Raj Modi	Entrepreneur, Modi Infra Projects	Present	Member-Alumni (Invited)

Ms. Shefali Gahrana	L&T Hydrocarbon	Absent	Member-Alumni (Invited)
Mr. Dharmil Joshi	Wipro Consumer Care and Lightning	Absent (Entire Curriculum is sent in advance, suggestions are received)	Member-Alumni (Invited)
Dr. Rajesh Patel	Dean FOET, PDEU	Absent	Member Invitee
Mr. Jal Patel (2018 Batch)	B.Tech Student, PDEU	Present	Existing Student Member (Invited)
Ms. Aarohi Bhadiyadra	PhD Student, PDEU	Present	Existing Student Member (Invited)
Ms. Mrunalini Rana	PhD Student, PDEU	Present	Existing Student Member (Invited)

B. Agenda of Meeting:

1. Approval of course shuffling in syllabus B.Tech Civil Engineering (Hydrology and Water Resources Engineering to Environmental Studies), Semester IV to V, with effect from July-2022.
2. Approval of Departmental Elective and detail syllabus in Semester VII, Project Design and Management Studio (2 0 4), with effect from July-2022.
3. Approval of an Open Elective and detail syllabus in semester VI, Project Management & Soft Computing for Engineers (2 1 0) with effect from July-2022.
4. Approval of an Open Elective & Shuffling a syllabus of Semester IV to VI. (Finite Elements Method and Computational Geo-Mechanics) with effect from July-2022.
5. Approval of course and syllabus for M.Tech Transportation Engineering in semester II, Pavement Evaluation (4 0 0) is replaced with Pavement Management System (4 0 0) subject in Semester II. Pavement Management System subject is taken in elective basket of semester II, This changes propose to apply with effect from July-2022.
6. Advance Pavement Material (3 0 0) subject is offered as compulsory subject in Semester II with effect from July-2022.
7. Any other matter with permissions of Chairman BOS.

C. Minutes of BoS Meeting:

Agenda-I: 1. Approval of course shuffling in syllabus B.Tech Civil Engineering (Hydrology and Water Resources Engineering to Environmental Studies), Semester IV to V, with effect from July-2022

Discussion:

Proposal of Shuffling syllabus put forward by the Chairman BOS, in view of certain experiments of the Hydrology and Water Resources Engineering to be carried out in the period of Monsoon. Members felt that this changes can be done however with the view of logical progression of the subject, it has been suggested to keep Hydrology and Water Resources in the Semester IV and Environmental Engineering in Semester V. This is suggested by the expert members considering

first various water related to water and hydrological concepts to be taught and later on in environment various factor affecting polluting this resources will be logical way.

Resolution:

Based on the recommendation by the committee of BOS, agenda is **not approved**. The Department Internal Committee to have more deliberations and after discussion they can put forward the same in the next BOS with proper justifications.

Agenda-II: Approval of Departmental Elective and detail syllabus in Semester VII, Project Design and Management Studio (2 0 4), with effect from July-2022.

Discussion:

Members of the committee were updated about the detailed syllabus, objectives and learning outcome of the subject. Syllabus is well appreciated by the committee members with few suggestions. Various software names are introduced in the detailed syllabus. Committee has suggested to remove the name of the specific software and put the focus of functional aspects. Unit IV focusing on Value Engineering and Quality Control is not in line with syllabus hence it is suggested to remove. The removed content to be replaced with Digital Aspects of Project Management tools and more case study and project based content.

Resolutions: Syllabus is required to be modified and written approval sought from the committee within 10 days of the receipt of this MOM.

Agenda-III: Approval of an Open Elective and detail syllabus in semester VI, Project Management & Soft Computing for Engineers (2 1 0) with effect from July-2022.

Discussion: Members of the committee were updated about the detailed syllabus, objectives and learning outcome of the subject. Syllabus is well appreciated by the committee members. It is suggested to remove soft computing from the title of the subject because very few methods pertaining to soft computing is covered in the syllabus.

Resolutions: Appropriate title of the subject after removing the soft computing word to be found out and written approval sought from the committee within 10 days of the receipt of this MOM.

Agenda-IV: Approval of an Open Elective & Shuffling a syllabus of Semester IV to VI. (Finite Elements Method and Computational Geo-Mechanics) with effect from July-2022

Discussion: Committee members were updated about the purpose of making the changes by the BOS Chairman. Both the above subjects are higher level subject, difficult to understand by the students at lower semesters and hence it has proposed to put appropriately in the higher semester.

Resolution: Based on the recommendations by the committee members, it is unanimously approved.

Agenda V: Approval of course and syllabus for M.Tech Transportation Engineering in semester II, Pavement Evaluation (4 0 0) is replaced with Pavement Management System (4 0 0) subject in Semester II. Pavement Management System subject is taken in elective basket of semester II, This changes propose to apply with effect from July-2022.

Discussion: Committee members were updated about the purpose of making the changes by the BOS Chairman. After reviewing the detailed syllabus of the both the subjects, committee suggested not to make these changes as both the subjects are having many common content. It is suggested that Pavement Evaluation and Management System can be clubbed together. Committee has emphasized to make detailed syllabus which focused on following aspects;

1. Composite or advance Materials
2. Technology and advancement
3. Design
4. Evaluation & Maintenance Management.

One of the esteemed experts of the committee has expressed about the NHAI requirements and mandate and emphasize to put Falling Weight Deflectometer, NSC etc as part of the contents.

Resolution: Syllabus is required to be modified and written approval sought from the committee within 10 days of the receipt of this MOM. Original proposed agenda has not approved. Instead of these it is suggested float the subjects of pavement management system as core subjects with suggested modifications.

Agenda VI: Advance Pavement Material (3 0 0) subject is offered as compulsory subject in Semester II with effect from July-2022.

Discussion: Members of the committee were updated about the detailed syllabus, objectives and learning outcome of the subject. Syllabus is well appreciated by the committee members.

Resolution: Based on the recommendation of committee members it is approved.

General Discussion and Recommendation by BoS Members: Committee overall feels happy and satisfied to see the overall progressions. They have made suggestions in the M.Tech Civil Transportation Engineering. Committee suggested to propose brain storming workshop for discussion of M.Tech Civil (Transportation Engineering) curriculum. External experts are willing to provide all possible help.

(On line Approval by Email is taken from all the members of BOS-2021.)

A handwritten signature in brown ink, appearing to read 'Thaker', is written in a cursive style.

Dr. Tejaskumar Thaker

Chairman BOS

Note: Take signature of all the members present in BoS