



St. XAVIER'S
CATHOLIC COLLEGE OF ENGINEERING
(Autonomous)

Chunkankadai, Nagercoil - 629003
Kanyakumari District, Tamil Nadu

An Autonomous Institution Affiliated to Anna University, Chennai
Accredited with 'A' Grade by NAAC
UG Programs(ECE,EEE,Mech,Civil,CSE & IT) Accredited by NBA
Recognized under section 2(f) & 12(B) of UGC Act, 1956
UG Programs(ECE,EEE,Mech,Civil,CSE & IT) ,
MBA & MCA Programs Permanently Affiliated

DEPARTMENT OF CIVIL ENGINEERING

BOARD OF STUDIES MEETING -04

Dated: 07-06-2024

Time: 10.45 AM to 12.00 PM

Venue: Hybrid Mode (Civil Computer lab)

Members Present: Enclosed

Minutes of Meeting

The 4th meeting of the Board of Studies started with a prayer and welcome address.

04.01: Confirmation of third BoS meeting minutes held on 6/01/2024 and Decision/Action taken report.

The HOD presented the minutes of the previous meeting and the action taken report. The BOS members gave the following remarks.

Suggestions	Action taken	Remarks
B.E.Civil Engineering		
All the topics of the course Prefabricated Structures can be added in the units 1 to 4. Modern and application-oriented topics and case studies on joints and connections can be included in Unit 5.	The mentioned changes have been made.	Confirmed in the BOS meeting.
In the lab experiments of the course "Design of Reinforced Concrete Elements", no need to mention the software STAAD.Pro.	'STAAD. Pro' has been replaced with 'any software'	Confirmed in the BOS meeting.
In the course "Construction Management and Safety", unit 4 "Designing for Safety Management" shall be changed as "Planning for Safety Management".	The mentioned changes have been made.	Confirmed in the BOS meeting.
In the course "Repair and Rehabilitation of Structures", Unit 3 shall be reframed with the topics including	Suggested topics have been included in the syllabus.	Confirmed in the BOS meeting.

Repair materials, Corrosion protection, avoiding cracks in water tanks, etc. Code books on corrosion and fire repairs shall also be included.		
In the course "Housing Planning and Management", topics on building approvals, preparation of approval plans, building by-laws, etc. shall be added. "Building Planning, Designing and Scheduling" by GurCharen Singh shall be added as one of the reference books.	Mentioned topics have been added and the suggested reference book has been included.	Confirmed in the BOS meeting.
In the course "Structural Geology", topics on Mineralogy shall be added.	The topic Mineralogy has been included in unit V.	Confirmed in the BOS meeting.
Unit 4 of the course "Industrial Wastewater Management" can be changed.	All the topics in unit IV have been changed.	Confirmed in the BOS meeting.
In the course "Open Channel Flow", the most economical rectangular, trapezoidal channels and condition for maximum velocity and discharge in circular channels shall be added.	The suggested topics have been included.	Confirmed in the BOS meeting.
In "Coastal Zone Management", the title of unit 4 shall be changed. Unit 2 is vast. It can be reduced. The title and contents of unit 5 shall be refined.	The mentioned changes have been made.	Confirmed in the BOS meeting.
The syllabus for the course "Fundamentals of Prestressed Concrete Design" is very vast. It can be reduced.	The syllabus has been reduced.	Confirmed in the BOS meeting.
The course "Basics of Finite Element Analysis" shall be refined. The 5 units shall be changed as Introduction, One dimensional problems, Trusses, Two dimensional problems and Numerical integration. The text book by Chandrupatla shall be referred. Importance of Finite Element Analysis shall also be included.	All the five units have been changed as per the suggestion.	Confirmed in the BOS meeting.
The course title "Modern Method of Analysis" can be changed as "Modern Methods of Structural Analysis". The title and content of unit 5 shall be replaced with Matlab.	The course title has been changed as "Modern Methods of Structural Analysis" and the title and content of unit 5 is replaced with Matlab.	Confirmed in the BOS meeting.
Unit 1 of the course "Bridge Engi-	The contents of unit 1 have	Confirmed in the BOS

neering” is vast, it can be reduced.	been reduced.	meeting.
In “Advanced Surveying”, the topic DGPS shall be added in unit 2.	The mentioned topic has been included.	Confirmed in the BOS meeting.
In “Pavement Engineering”, the repeated topics from the course Highway Engineering shall be changed.	The repeated topics in unit IV have been replaced with relevant topics of pavement evaluation and maintenance.	Confirmed in the BOS meeting.
In the course “Airports, Docks and Harbour Engineering”, the topics airport zones, passenger facilities and services from unit 2 shall be taken to unit 1. The topic Runway and Taxiway lighting shall be included in unit 2.	The mentioned changes have been made.	Confirmed in the BOS meeting.
In the course “Applications of Artificial Intelligence in Civil Engineering”, unit 5 shall be changed as Artificial Neural Network in Design Optimization. The topics shall include design or project scheduling or GIS.	The title of unit 5 has been changed and the suggested topics have been included.	Confirmed in the BOS meeting.

04.02. Presentation of the proposed curriculum and getting recommendation for approval for the 6th semester core courses and open elective I courses draft syllabi of UG Programme for regulation 2022.

Suggestions for the Syllabus are as follows:

- The Unit V of the course “Design of Steel Structures” has only the basic topics. More detailed topics can be added.
- In the course, ‘Estimation and Costing’, the topic bar bending schedule can be added either in theory part or lab component.
- In the Employability Enhancement Course, can be renamed as ‘SD22603 - Coding Skills, and Quantitative Aptitude – Phase I’.

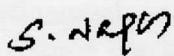
Considering the above suggestions, the BOS recommended the curriculum and the syllabus of 6th semester core courses and open elective I courses of UG programme.

04.03. Industrial Training and Internship Grading Rubrics

- The rubrics of Industrial training and Internship report shall be simplified.

04.04. Other matters if any.

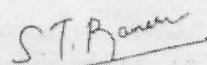
- Value added courses such as primavera and MS project shall be given to students if possible.



Dr. S. Nagan
(Anna University Nominee)



Dr. G. Prince Arulraj
(Academic Expert)



Dr. S.T. Ramesh
(Academic Expert)



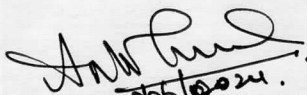
Ms. T. PremaLatha
(Industry Expert)



Dr. C. Shermi
(Aluminous)



Dr. I. Jessy Mol
(HOD/ Civil)



Dr. R.P. Anto Kumar
(Dean Academics)



Dr. J. Maheswaran
(Principal)

External Members present:

S. No	Name, Designation	Category
1	Dr. S. Nagan Professor, Department of Civil Engineering, Thiagarajar College of Engineering, Madurai.	Anna University Nominee
2	Dr. G. Prince Arulraj (Online) Professor and Vice Chancellor, Department of Civil Engineering, Karunya Institute of Technology and Sciences, Coimbatore, Tamil Nadu, India.	Subject Expert
3	Dr. S.T. Ramesh, (Online) Professor, Department of Civil Engineering, NIT, Trichy.	Subject Expert
4	Ms. T. PremaLatha, (Online) Manager, Structural, Kavin Engineering and services Private Ltd, Coimbatore, Tamil Nadu, India.	Industry Expert
5	Dr. C. Shermi, (Online) Senior Scientist, Environment Technology Division, CSIR- Government of India, Trivandrum, Kerala.	Meritorious Aluminous

Internal Members Present:

S. No	Name of the Member	Designation
1	Dr. I. Jessy Mol	Head, CE
2	Ms. S. Shiela Balanta	Asst. Prof/CE
3	Dr. P. Antony Vimal	Asst. Prof/CE
4	Mr. M. Galesh	Asst. Prof/CE
5	Mr. M. Inigo Valan	Asst. Prof/CE
6	Dr. S. Frank Stephen	Asst. Prof/CE
7	Mr. J. Jeya Suren Raj	Asst. Prof/CE
8	Mr. F. John Paul	Asst. Prof/CE
9	Ms. L. Porcia	Asst. Prof/CE
10	Ms. D. Smiline Shiny	Asst. Prof/CE
11	Ms. C.M. Flora Dani	Asst. Prof/CE
12	Ms. R. Sumithra Jeya	Asst. Prof/CE

Ex-Officio members present:

S. No	EX OFFICIO MEMBERS	
1	Dr. V. Christus Jeya Singh	Vice- Principal, St. Xavier's Catholic College of Engineering, Chunkankadai.
2.	Dr. P. Anto Kumar	Dean-Academics, St. Xavier's Catholic College of Engineering, Chunkankadai.



