

Department of Civil Engineering

Francis Xavier Engineering College

Vannarpettai, Tirunelveli - 627 003

(An Autonomous Institution - Affiliated to Anna University, Chennai)

www.francisxavier.ac.in

Minutes of the Eighth Board of Studies Meeting



FRANCIS XAVIER[®] ENGINEERING COLLEGE

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Recognized under Section 2(f) & 12(B) of the UGC Act, 1956
Vannarpettai, Tirunelveli - 627003

8th Board of Studies Meeting in the Department of Civil Engineering

Venue: Blended Mode

Date : 27.02.2023

Time: 12.00 pm to 2.00 pm

AGENDA

BoS / CIVIL 8.1: Welcome address and Opening Remarks by Chairman

BoS / CIVIL 8.2: Confirmation of the Minutes of the 7th meeting of Board of studies

BoS / CIVIL 8.3: Online courses (NPTEL)

BoS / CIVIL 8.4: Curriculum and Syllabus for R-2021

BoS / CIVIL 8.5: Minor and Specialization

BoS / CIVIL 8.6: Value Added Courses

8th Board of Studies Meeting in the Department of Civil Engineering

The Eighth Board of Studies Meeting of **Civil Engineering** Department was convened under the chairmanship of **Mr. J. SAMUEL PRABAHARAN**, Assistant Professor and Head / **Civil Engineering** of Francis Xavier Engineering College in Blended Mode on 27.02.2023

External Members present:

| S.No | Members as per UGC Norms | Members Nominated |
|------|---|--|
| 1 | Board of Study (BoS) Chairman | Mr. J. Samuel Prabaharan |
| 2 | Anna University Nominee | Dr. D. Brindha Professor Department of civil engineering Thiagarajar College of Engineering Madurai – 625 015 |
| 3 | Expert members from other than Anna university | Dr. M. Muthukannan Professor of Civil Engineering Kalasalingam University Srivilliputtur-626126 Viruthunagar District |
| | | Dr. S. Karuppasamy Associate Professor of Civil Engineering, SRM Institute of Science and Technology (Deemed University), Kattangulathur – 603203 Kancheepuram District |
| 4 | Expert members from Industry | Er. S. Edwin Durai Singh Managing Director, AME Constructions, Rajapalayam, Virudhunagar– 626117 |
| 5 | Member from Alumni | Er. P. Jaison, Proprietor JPR Construction, 66h/4 by pass road Vasantham Nagar Tirunelveli-627005 |

Internal Members Present:

| S.No | Name of the Member | Designation |
|------|------------------------|-------------|
| 1 | Mr.J.Samuel Prabaharan | HOD/CE |
| 2 | Dr. G.Ginni | AP/CE |
| 3 | Mr.S.Vivek | AP/CE |
| 4 | Mr.P.Krishna Kumar | AP/CE |
| 5 | Mr.A.Sumilkumaran | AP/CE |
| 6 | Mrs.S.SathyaDevi | AP/CE |
| 7 | Ms.M. Jeny Blessy | AP/CE |
| 8 | Ms.M.DurkaDevi | AP/CE |
| 9 | Mrs.R.Swetha | AP/CE |
| 10 | Mrs.P.Raja Priya | AP/CE |

| S. No | EX OFFICIO MEMBERS |
|-------|---|
| 1 | Principal, Francis Xavier Engineering College, Tirunelveli |
| 2 | Professor Academics, Francis Xavier Engineering College, Tirunelveli |
| 3 | Controller of Examinations, Francis Xavier Engineering College, Tirunelveli |

| | |
|------------------------|--|
| BoS / CIVIL 8.1 | Welcome address and Opening Remarks by Chairman |
|------------------------|--|

The Chairman of Board of Studies **Mr.J.Samuel Prabaharan**, HOD/Civil Engineering Welcomed the University Nominee, Expert members from other universities, industry expert members, alumni expert member and internal BOS members. After the warm welcome note he outlined the agenda for the Eighth board of studies meeting.

The minutes of the Seventh Board of Studies meeting held on 29.12.2021 were communicated to the members.

The following comments were received in the Seventh Board of Studies meeting,

1. 21CE3611 Surveying Laboratory - Total Stations shall be included for measuring the height of the building and area.
2. 21CE3603 Engineering Geology - Satellite Image interpretation shall be added as a topic in unit 5 of the syllabus.
3. 21CE4601 Concrete Technology - Combine syllabus of units I and II and to split Unit IV as it is too heavy
4. 21CE4605 Highway Engineering - Role of GIS in Traffic Congestion Studies added in syllabus
5. 21CE5601 Structural Analysis –I - Add Arches and Cables as one Unit and split the other units accordingly

The comments received have been incorporated and placed for confirmation. The same was approved by the Academic Council.

The NPTEL Courses assigned for Regulation 2019 and 2021 were discussed and approved by the External BOS members

The details of the suggested courses were listed below.

R 2021

| S. No | NPTEL Courses | Duration |
|-------|---|----------|
| 1 | Geographic Information Systems | 12 weeks |
| 2 | Scheduling Techniques in Projects | 12 weeks |
| 3 | Analysis and Design of Bituminous Pavements | 12 weeks |
| 4 | Analysis and Design of Bituminous Pavements | 12 weeks |
| 5 | Remote Sensing and GIS for rural development | 12 weeks |
| 6 | Groundwater hydrology and management | 12 weeks |
| 7 | Remote Sensing Essentials | 12 weeks |
| 8 | Traffic Engineering | 12 weeks |
| 9 | Safety in Construction | 12 weeks |
| 10 | Construction Methods And Equipment Management | 12 weeks |
| 11 | Remote Sensing and GIS for rural development | 12 weeks |

| | | |
|----|---|----------|
| 12 | Air Pollution and Control | 12 weeks |
| 13 | Environmental Remediation of Contaminated Sites | 12 weeks |
| 14 | Urban Transportation Systems Planning | 12 weeks |

R 2019

| S. No | NPTEL Courses | Duration |
|-------|---|----------|
| 1 | Traffic Engineering | 12 weeks |
| 2 | Environmental Remediation of Contaminated Sites | 12 weeks |
| 3 | Probability Methods In Civil Engineering | 12 weeks |
| 4 | Principles of Management | 12 weeks |
| 5 | Rural Water Resources Management | 12 weeks |
| 6 | Groundwater hydrology and management | 12 weeks |
| 7 | Introduction To Environmental Engineering And Science - Fundamental And Sustainability Concepts | 12 weeks |

| | |
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| BoS / CIVIL 8.4 | Curriculum and Syllabus for R-2021 |
|------------------------|---|

The Chairman of Board of Studies presented the Curriculum and Syllabus of Professional Elective I to IV for 2021 Regulation. 30% of syllabus was modified from the previous regulation 2019.

Suggestions provided by the external BoS members

21CE5704 Disaster Preparedness and Planning

- The external BoS member suggested adding man-made disasters as a separate unit.
- The BoS member suggested to add the following topics
 - Measures to prevent disaster – Global scenario
 - Role of Government in reducing disasters
 - Rules and Regulations in India
 - Advanced technologies in Disaster Management.

21CE5704 Non Destructive Testing and Materials

- The BoS Members suggested to make the syllabus more specific
- The BoS Members suggested to add Civil Engineering specific topics such as Testing of concrete and Application of NDT in Civil Engineering.

21CE6704 Traffic Engineering

- An external BoS Member suggested the importance of adding the topic 'Street lighting' in Unit IV.

21CE6708 Geoinformatics Applications for Civil Engineers

- The external BoS member insisted on adding more case studies using Remote Sensing and GIS.
- The external BoS member suggested adding topics related to Usage of Drones for Planning and management.

21CE6715 Corrosion and its Control

- The external BoS member insisted on adding more case studies
- The BoS member suggested adding the topic 'Sea shore – Corrosion control methods'

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| BoS / CIVIL 8.5 | Minor and Specialization |
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The syllabus of Minor and Specialization course "Architectural Design" was presented by the Chairman of BoS and it was approved and the following suggestions were given by the BoS members.

- The BoS member suggested changing the title of the subjects and making it more relevant.

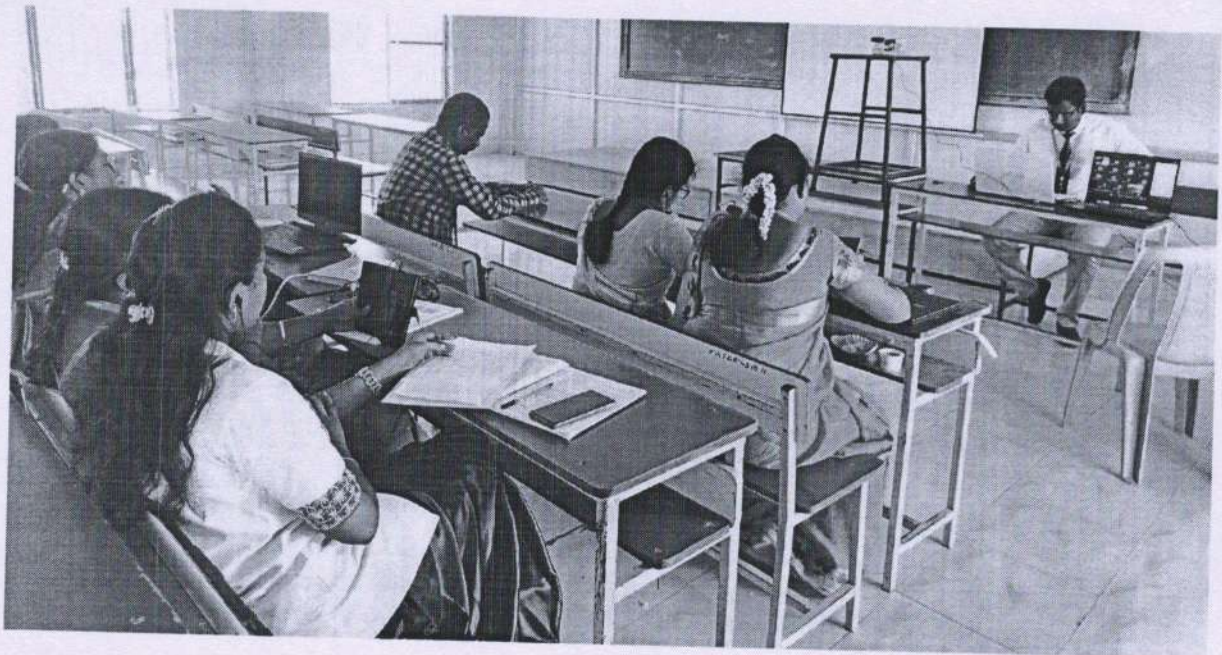
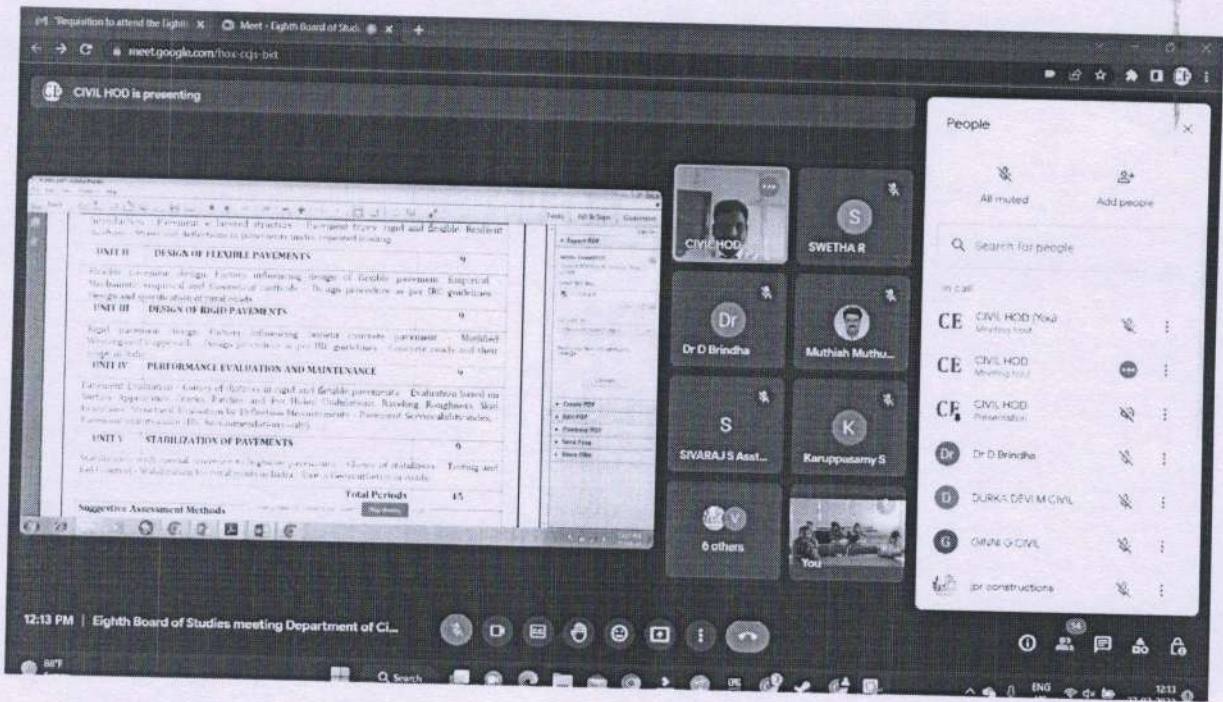
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|------------------------|----------------------------|
| BoS / CIVIL 8.6 | Value Added Courses |
|------------------------|----------------------------|

Two courses were suggested as value added courses and syllabus for all the courses were discussed and approved.

| S.No | Course Name |
|------|-----------------|
| 1 | Google Sketchup |
| 2 | QGIS |

General Discussion:

- BoS members suggested adding more application oriented topics in all the subjects.
- Include contents in syllabus relating to the topics including applications of drones and advanced technologies.
- The BoS members suggested including recent edition text books and reference books for all the subjects.
- Mention the code books referred for the subjects in the syllabus after reference books.



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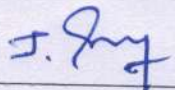
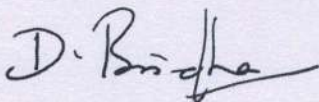
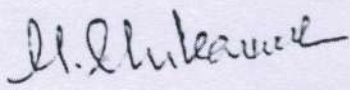
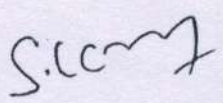
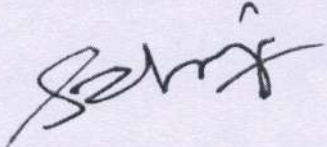
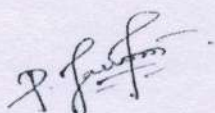
Chairman

Board of Studies

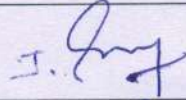

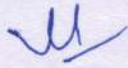
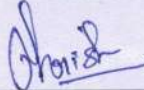
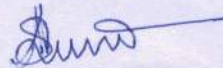
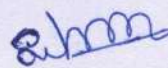



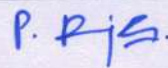
Department of Civil Engineering

8th Board of Studies Meeting (27.02.2023)

Attendance Sheet

| S.No | Members as per UGC Norms | Members Nominated | Signature |
|------|--|---|---|
| 1 | Board of Study (BoS)Chairman | Mr.J.SamuelPrabakaran |  |
| 2 | One Expert nominated by the Vice Chancellor from a panel of six recommended by the college Principal | Dr. D. Brindha Professor Department of civil engineering Thiagarajar College of Engineering Madurai – 625 015 |  |
| 3 | Two experts in the subject from outside the college nominated by the Academic Council | Dr.M.Muthukannan Professor of Civil Engineering Kalasalingam University Srivilliputtur-626126 Viruthunagar District |  |
| | | Dr.S.Karuppasamy Associate Professor Civil Engineering, SRM Institute of Science and Technology (Deemed University), Kattangulathur – 603203 KancheepuramDisrict |  |
| 4 | One representative from industry/corporate sector/allied area relating to placement | Er. S. Edwin Durai Singh Managing Director, AME Constructions, Rajapalayam, Virudhunagar– 626117 |  |
| 5 | One meritorious aluminous nominated by the Principal | P.Jaison, Proprietor JPR Construction, 66h/4 by pass road Vasanthamagar Tirunelveli-627005 |  |

Internal Members

| S.No | Name of the Member | Designation | Signature |
|------|------------------------|-------------|---|
| 1 | Mr.J.Samuel Prabakaran | HOD/CE |  |
| 2 | Dr. G.Ginni | AP/CE |  |
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