

MINUTES OF THE MEETING OF BOARD OF STUDIES IN CIVIL ENGINEERING

MEETING No. 19

DATE : 29-08-2020

TIME : 10.00 AM to 10.30 AM - Common Meeting through online

10.45 AM to 12.30 PM – Civil Engineering Board Meeting (Online & Physical meeting)

The following members were present for the meeting:

1.	Dr.P.S.Kothai, Head of the Department, Department of Civil Engineering, Kongu Engineering College, Perundurai – 638060.	Chairman
2.	Dr.P.Vincent @ Venkatesan Senior Professor, Department of Civil Engineering, Mepco Schlenk Engineering College, Sivakasi - 626005.	University Nominee*
3.	Dr. A. Murugappan, Professor, Department Of Civil Engineering, Annamalai University, Chidambaram — 608002.	Academic Council Nominee*
4.	Dr.S.S.Chandrasekar, Professor, Department of Civil Engineering, Vellore Institute of Technology, Vellore – 632014.	Academic Council Nominee*
5.	Mr. V.R. Ramkumar, Scientist — Ministry of Environmental Forest Science/GOI, IPIRTI. HMT Link Road, Tumkur Road Bangalore — 560022	Alumni Representative*
6.	Mr. S.Veeramani, General manager, L & T Constructions, ECC, AR Centre, Mount Ponnamalle High Rd, Manapakkam. Chennai – 600089	Industry Representative*
7.	Dr.S.Anandakumar	Internal Member
8.	Dr.K.Nirmalkumar	Internal Member
9.	Dr.S.Balaji	Internal Member
10.	Dr.S.Suchithra	Internal Member
11.	Dr.T.Pradeep	Internal Member
12.	Dr.G.S.Rampradheep	Internal Member*
13.	Dr.D.Ambika	Internal Member
14.	Dr. S.Karthikeyan	Internal Member



15.	A.R.Krishnaraja	Internal Member
16.	M.P.Thiyaneswaran	Internal Member*
17.	S.Vijayanand	Internal Member*
18.	K.Vishnuvardhan	Internal Member*
19.	T.Ravi Prakash	Internal Member*
20.	P.Dinesh Kumar	Internal Member*
21.	K.S.Gowri Shankar	Internal Member*
22.	R.K.Sangeetha	Internal Member*
23.	M.Arun Kumar	Internal Member*
24.	T.Karthika	Internal Member*
25.	K.Sampath Kumar	Internal Member*
26.	K.S.Navaneethan	Internal Member*
27.	A.Sivakumar	Internal Member*
28.	P.Kulanthaivel	Internal Member*
29.	S.Vinodhkumar	Internal Member*
30.	S.Manoj	Internal Member*

*participated through online

The following members have requested for leave of absence:

1. Dr.S.Krishnamoorthi, Professor, Kongu Engineering College.
2. Dr.P.Chandrasekaran, Professor, Kongu Engineering College.
3. Dr.K.Arumugam, Associate Professor, Kongu Engineering College.
4. S.Venkatachalam, Assistant Professor, Kongu Engineering College.
5. P.Ravichandran, Assistant Professor, Kongu Engineering College.
6. S.Vijayashanthi, Assistant Professor, Kongu Engineering College.

Opening Meeting:

Common Meeting was held in which members of all the Boards of Studies were present. Principal of Kongu Engineering College briefed on the objective of the meeting and provided common guidelines to be followed. The salient points with respect to the Regulation 2020 were presented by the Principal. The related changes in the Regulation 2018 and Regulation 2014 were also briefed by the Principal.

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Meeting of the Civil Engineering Board:

Chairman/BoS welcomed the members and briefed on the rules and regulations governing the autonomous scheme and presented the draft curricula and syllabi under Regulation 2018 and Regulation 2020 of UG and PG programmes.

The board discussed and approved the following points as per the agenda:

Item No. 19.1: Confirmation of Minutes of the previous Board of Studies meeting

Resolved to confirm the minutes of the previous Board of Studies Meeting held on 27.04.2019.

Item No. 19.2: Ratification of

a. Course and Syllabi for PhD Course work

The following course and its syllabus content was approved for research scholars (both internal & External) to do their Ph.D Course work examination through this research center.

- 18PCL02 Solid and hazardous waste management
- 18PCL03 Geosynthetics in civil engineering
- 18PCL04 Landfill engineering and remediation technology
- 18PCL05 Foundation on expansive soils

b. One credit courses

NIL

c. On line courses

The following online courses and their syllabus content were approved

Sl. No	Course Code	Course Name	Name of Organization/ host institution offering the course	Duration in Hours	Credits
1	noc20-ce09	Fire Protection, Services and Maintenance Management of Building	IIT KGP	30	3
2	noc20-ce22	Soil Structure Interaction	IIT KGP	30	3
3	noc20-ce31	Environmental Remediation of Contaminated Sites	IITR	30	3
4	noc20-ce32	Introduction to Accounting and Finance for Civil Engineers	IITK	20	2

d. Credit transfer from Foreign Universities, Change of Regulations for readmitted students, Transferred candidates Balaji S (17CER028) student of B.E Civil Engineering was re-admitted in the academic year 2020-2021 under regulation 2018. He discontinued the course during his V semester under regulation 2014. Hence, he has to write 18CEL41/Transportation Engineering Laboratory in the sixth semester along with regular courses.

e. Curriculum and Syllabi (from 1st to 5th semester) amendments under R2018

- 4th Sem- Hydraulic Engineering course is modified as Open Channel flow
- 5th Sem - AICTE recommended course Universal Human Values and Professional Ethics is included under HS (Humanities and Social Sciences) category
- 5th Sem - Professional Skills Training I / Industrial Training I- Practical Course is introduced under EC (Employability course) category
- 5th Sem - Professional Elective – 1 is shifted to 6th semester
- 5th Sem - Environmental Engineering Design & Drawing practical course is added.

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- Estimation and Quantity Surveying Course is moved from 7th Sem to 6th Sem.
- 6th Sem - Design of RC Elements II is moved to professional electives 1 (offered as Advanced RC Design)
- 6th Sem - Water Resources and Irrigation Engineering Course is moved to professional elective 5 (in 8th Sem)
- 6th Sem- Computer Aided Building Information Modelling Lab is added instead of Computer applications Lab.
- 6th Sem – the practical courses Structural Engineering Lab & Computer Aided Structural Design and Detailing Lab are added and Environmental Engineering and Irrigation Drawings is removed.
- 6th Sem - Professional Skills Training II / Industrial Training II- Practical Course is introduced under EC (Employability course) category
- 6th Sem - Project Work 1 Phase I is introduced under EC (Employability course) category
- 7th Sem - Design of Prestressed Concrete is moved to professional electives.
- 7th Sem – Comprehensive Test/Viva is introduced with 2 credits
- Project Work 1 Phase II is added instead of design project.
- 8th Sem- Open elective 4 is added.
- 8th Sem –Internship/Project work 2 carries 6 credits.
- 6th Sem- Solid and Hazardous Waste Management is added instead of solid waste management course.
- Professional Elective course Railway, Airport and Harbour Engineering is added in 6th Sem instead of Railway & Airport System Design in 5th Sem.
- Professional Elective course Ground improvement techniques is moved from 7th Sem to 6th Sem.
- 6th Sem – elective course Advanced Reinforced Concrete Design is added and elective courses Construction Equipment & Automation, Construction Quality and Safety Practices, Plastic Waste Management and Environmental Management Systems and Auditing are removed.
- Professional Elective course Industrial Waste Management & Environmental Impact Assessment is moved from 8th to 7th Sem.
- Professional Elective courses Architecture and Town planning, Public Transportation Systems, Urban Transportation Planning, Traffic Engineering and Management & Green Buildings are moved from 5th Sem to 7th Sem.
- 7th Sem- professional elective courses Road Safety Management, Air and Noise Pollution and Control, Rock Mechanics & Site Investigation and Soil Exploration are added and Advanced Mechanics of Materials, Advanced geotechnical Engineering, Climate Change and Adaptation & Water Power Engineering are removed.
- 7th Sem- professional elective Environmental Geo-technology is added instead of Environmental Geoinformatics.
- 7th Sem- professional elective Construction Equipment and Management is added instead of Construction Equipment and Automation.
- Professional Elective course Sustainable Construction Methods is moved from 6th Sem to 7th Sem.
- 8th Sem Professional Elective course Distress Monitoring and Rehabilitation of Structures is added instead of Repair & Retrofitting of Structures
- 8th Sem professional elective courses Intelligent Transport Engineering, Reinforced Soil Structures & Disaster Preparedness and Planning are added and professional elective courses Marine Pollution and Control, Contract Laws, Resource Management & Project Formulation and Appraisal are removed.
- Professional elective courses Design of Prefabricated structures, Design of Bridges & Hydrology are moved from 7th to 8th Sem.
- The syllabus for the Universal Human Values is given in Annexure I.

It is resolved to ratify the above items a, b, c, d and e.

Item No. 19.3. Approval of the Syllabus for 6th to 8th semester BE (Civil Engineering Branch) under R2018

The members discussed the syllabi as given in the Annexure-I and approved the same for sixth to eighth semester BE (Civil Engineering Branch) and also for the Honors degree.



Item No. 19.4. Approval of Curriculum for 2020 Regulations

The Chairman BoS explained the need for new curriculum based on AICTE model curriculum. The members discussed elaborately and approved the Curriculum for BE (Civil Engineering Branch), ME (Structural Engineering Branch) and ME (Construction Engineering and Management) under regulation R2020. The members also discussed on the courses proposed under Honors degree and approved the same.

The approved curriculum from 1st semester to 8th semester for BE (Civil Engineering Branch) & courses for Honors degree is given in Annexure – II. The approved curriculum from 1st semester to 4th semester for ME (Structural Engineering Branch) and ME (Construction Engineering and Management) under 2020 Regulation is given in Annexure – III.

Item No. 19.5. Approval of the Syllabi for 1st semester and 2nd semester BE (Civil Engineering Branch) and syllabi for 1st semester to 4th semester of ME (Structural Engineering Branch) and ME (Construction Engineering and Management) under R2020

The members discussed the syllabi for first and second semesters BE (Civil Engineering Branch) as given in Annexure – IV and first to fourth semesters for ME (Structural Engineering Branch) and ME (Construction Engineering and Management) as given Annexure – V and approved the same.

Item No. 19.6. Approval for one credit courses, on-line courses and syllabi, Transfer of credits from UGC and AICTE approved institutions and Credit transfer from foreign universities

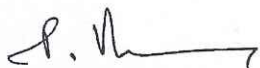


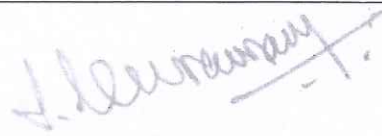


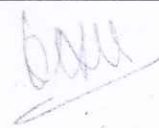







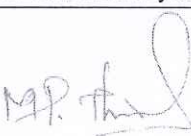

The members discussed the one credit courses, on-line courses and syllabi, Transfer of credits from UGC and AICTE approved institutions including NPTEL, SWAYAM, etc., under R2014, R2018, & R2020 and Credit transfer from foreign universities under R2014 & R2018 respectively (for the year 2020-21 onwards) as given in Annexure – VI and approved the same.

Item No. 19.7. Approval of Syllabus for PhD courses under new Regulation 2020


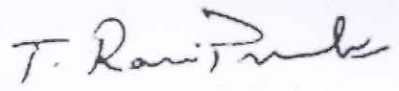
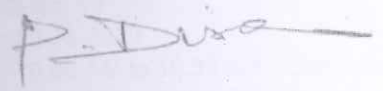

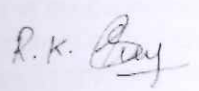
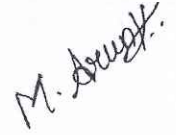
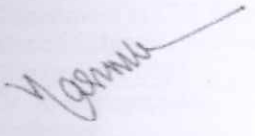
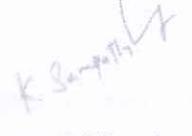


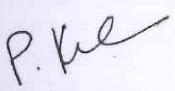
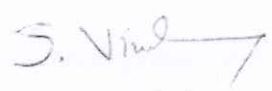


The members discussed the Syllabus for PhD courses under new Regulation 2020 (if any from the year 2020-21 onwards) as given in Annexure – VII and approved the same.

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The meeting was concluded with a vote of thanks to the members.

 Name & Signature (Dr. P. Vincent @ Venkatesan)	 Name & Signature (Dr. A. Murugappan)
 Name & Signature (Dr. S. S. Chandrasekaran)	 Name & Signature (Mr. S. Veeramani)
 Name & Signature (Mr. V.R. Ramkumar)	 Name & Signature (Dr. S. Anandakumar)
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 Name & Signature (P.Kulanthaivel)	 Name & Signature (S.Vinodhkumar)
 Name & Signature (S.Manoj)	
	 Name & Signature Chairman/BoS


HEAD
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