

Meeting No: 31

Date: 09.01.2019

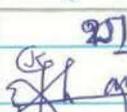
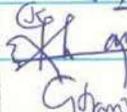
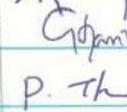
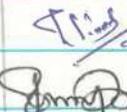
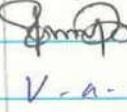
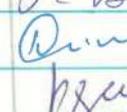
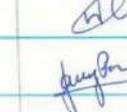
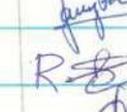
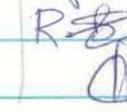
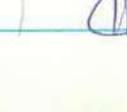
Time: 10:30 A.M

Minutes of the Board of Studies Meeting held on Wednesday
9, January 2019 @ 10.30 A.M in the IT Block A/C Conference Hall.

Agenda:Curriculum Updation based on AICTE model Curriculum 2018.

- * B.E Civil Engineering
- * M.E Computer Applications in Structural Engineering
- * M.E Environmental Engineering and Management
- * M.E Construction Management

Members Present:

S.No	Name	Signature
1.	Dr. S. SHANMUGAM (CHAIRMAN)	
2.	Dr. K.C. PAKHANI	 09.01.2019
3.	Dr. G. SANKARASUBRAMANIAN	
4.	Dr. P. THAMARAI	P. Th 2/1/19
5.	Dr. S. SIVALINGAM	
6.	Dr. P. ARUN PRASATH	
7.	Dr. V.G. Srisankar	V-G-U
8.	R. Sathyanarayan Sridhar	RS
9.	R. Bharathi	R. Bharathi
10.	K. Divakar	
11.	P. Vinayagam	
12.	S. Arulselvam	
13.	M.P. MUTHURAJ	
14.	Col James G. Podupara	
15.	Dr. R. Saraswathi	
16.	M. Hannah Angelini	

S.No	Name	Signature
17	Dr. K. Nithyapriya	
18	Dr. S. Shalmugapathy	
19	Dr. V. G. KALPANA	
20	Dr. V. NAGARAJAN	
21	Dr. T. Balasubramaniam	
22	M. Gowri Shankar	
23	S. Karthika Devi	
24	T. Karthik Prabhu	
25	Dr. M. CAARTHIC	
26	MS.P. BHUVANA JAGADEESWARI	

The chairman welcomed all the external members and internal members to the meeting.

Based on suggestions and recommendations of 31st BOS of Civil Engineering, the following courses are finalized for B.E Civil Engineering curriculum from 2019 onwards.

CURRICULUM FOR B.E CIVIL ENGINEERING 2019 ONWARDS

Semester - III

S.No	Subject	Category	Credits
1	Mathematics - III	BS	4
2	Construction Materials	PC	3
3	Mechanics of Solids	PC	3
4	Mechanics of Fluids	PC	3
5	Surveying	PC	3
6	Water Supply Engineering	PC	3
7	Strength of Materials Laboratory	PC	2
8	Survey Laboratory	PC	2
Total Credits			28

Semester - IV

S.No	Subject	Category	Credits
1	Engineering Geology	Pc	3
2	Construction Technology	Pc	3
3	Transportation Engineering	Pc	3
4	Applied Hydraulics and fluid Machinery	Pc	3
5	Waste Water Engineering	Pc	3
6	Professional Practice and Ethics	HS	3
7	Disaster Management	Mc	1
8	Fluid Mechanics Laboratory	Pc	2
9	Environmental Engineering Laboratory	Pc	2
Total Credits			20

Semester - V

S.No	Subject	Category	Credits
1	Structural Analysis - I	Pc	3
2	Design of R.C.C Structural Elements - I	Pc	3
3	Mechanics of Soils	Pc	3
4	Construction Management	Pc	3
5	Professional Elective - 2	PE	3
6	Open Elective - I	OE	3
7	Computer Aided Building Drawing	Pc	2
8	Concrete and Highway Laboratory	Pc	2
Total Credit			22

Semester - VI

S.No	Subject	Category	Credits
1	Structural Analysis - II	Pc	3
2	Design of Steel Structure	Pc	3
3	Foundation Engineering	Pc	3

4	Engineering Economics & Quantity Surveying	PC	3
5	Professional Elective - II	PE	3
6	Professional Elective - III	PE	3
7	Soil Mechanics Laboratory	PC	2
8	Design and Drawing Laboratory	PC	2
Total Credits			22

Semester - VII

S-NO	Subject	Category	Credits
1	Water Resources Engineering	PC	3
2	Earthquake Resistant Design of Structures	PC	3
3	Professional Elective - IV	PE	3
4	Professional Elective - V	PE	3
5	Open Elective - II	OE	3
6	Constitution of India	MC	-
7	Computer Application Laboratory	PC	2
8	Innovative Project	EEC	1
9	Internship*	EEC	1
Total Credits			19

Semester - VIII

S-NO	Subject	Category	Credits
1	Professional Elective - VI	PE	3
2	Professional Elective - VII	PE	3
3	Professional Elective - VIII	PE	3
4	Project Work	EEC	10
Total Credits			19

Total No of Credits - 123

* Students shall plan for four week Internship during their vacation from third semester onwards and submit the report at the end of VII semester for evaluation.

List of Elective.

S.NO	Professional Electives	Category	Credit
1	Advanced Strength of Materials	PE	3
2	Advanced Concrete Design	PE	3
3	Concrete Technology	PE	3
4	Design of Concrete structures	PE	3
5	Design of Bridges	PE	3
6	Prestressed Concrete Structure	PE	3
7	Safety in civil Engineering Practice	PE	3
8	Valuation of Immovable properties	PE	3
9	Industrial structures	PE	3
10	Advanced structural Analysis	PE	3
11	Remote Sensing and GIS	PE	3
12	Numerical Methods for Civil Engineering	PE	3
13	Prefabricated structures.	PE	3
14	Ground Improvement Techniques	PE	3

Environmental Engineering

S.NO	Subjects	Category	Credit
1	Design of Environmental structures and drawing	PE	3
2	Industrial waste water management	PE	3
3	Geo-environmental Engineering	PE	3

Transportation Engineering

S.NO	Subjects	Category	Credit
1	Pavement Engineering	PE	3
2	Airport docks & Harbours	PE	3
3	Traffic Engineering	PE	3
4	Urban Transportation Planning	PE	3

Hydraulics

S.NO	Subject	Category	Credits
1	Design of Hydraulic Structure	PE	3
2	Engineering Geology	PE	3

Construction Engineering and Management

S.NO	Subject	Category	Credits
1	Maintenance and Rehabilitation of Structures	PE	3
2	Advanced Construction Technology	PE	3
3	Contract Management	PE	3
4	Construction Equipment and Techniques	PE	3
5	Formwork for Concrete Structures	PE	3

S.NO	Open Elective	Category	Credits
1	Town Planning and Architecture	PE	3
2	Climate Change and Adoption	PE	3
3	Water Systems and Engineering	PE	3
4	Renewable Energy Sources	PE	3
5	Principles of Sustainable Development	PE	3



27/09/2019

(CHAIRMAN)

H.O.D., (CIVIL)

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Minutes of the 31st Board of Studies Meeting in the Department of Civil Engineering

- Minutes of the meeting of the Board of Studies in Civil Engineering held on Wednesday, the 9th January, 2019 at 10.30 A.M at Coimbatore Institute of Technology, Coimbatore - 641014 to go through the draft copy of curriculum based on AICTE Model curriculum 2018 for B.E Civil Engineering, M.E – Computer Methods and Applications in Structural Engineering, M.E – Environmental Engineering and Management, M.E – Construction Management to be brought in to force with effect from academic year 2019 - 2020, to approve the curriculum and any other matter.
- Dr.S.Shanmugam, HOD, Civil Engineering Department welcomed the members and highlighted the changes that have been brought out in the draft copy of the revised curriculum based on AICTE recommendations. The chairman initiated the discussions by requesting the external members Dr. K.C. Pazhani, Dr.G.Sankarasubramanian, Dr. P.Thamarai and Er.S.Sivalingam to review the curriculum for both UG and PG courses and to suggest changes/modifications if any. He also requested the members to suggest new electives for both UG and PG curriculum.
- The board first discussed in length the new draft curriculum of B.E Civil Engineering from third semester to eighth semester and suggested various additions and alterations in the proposed curriculum.
- The following suggestions were made by external members.
 - a) The syllabus for certain subjects like Mechanics of Solids which is clubbed as one subject instead of Mechanics of solid I and II in the revised curriculum of B.E Civil Engineering should be done in such a way that fundamental and basic concepts are not excluded.
 - b) Some of the electives which have not been opted by students for many years can be removed from the list of electives.



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- c) The members suggested including subjects Constitution of India and Disaster Management as Mandatory courses and Professional practice and ethics as Humanities and social science course.
 - d) The members suggested including subjects Metro systems and Engineering, Climate change and adoption, Principles of sustainable development under the open electives.
 - e) The members suggested that the practical training for B.E full time students should be undertaken during vacation period from third semester onwards and submit the report at the end of seventh semester for evaluation.
 - f) The members suggested that the subject "Quantity surveying and Project Planning" may be renamed as "Engineering economics and quantity surveying" and by suitable introducing unit on "Engineering Economics".
 - g) For PG courses, the members suggested that the thesis for post graduate course can be done based on the requirements of the major construction industry, so that students are exposed to current technologies in civil engineering field. They also suggested having only core subjects in the first semester and offer electives from second semester and third semester.
- All these suggestions were discussed and it was decided that efforts would be made by the chairman to implement all the suggestions as far as possible taking in to account the constraints faced by the department.
 - Subsequent to the suggestions made by the external members, it was resolved that a committee may be set up with internal members to go in to all the suggestions made by the members and suitable changes/ modifications in the light of discussions that were followed may be incorporated in the updated curriculum for both UG and PG Courses.
 - The meeting came to the end with the vote of thanks proposed by Dr.S.Shanmugam, Head of Department, Civil Engineering.



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