



# PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH 44, PACHAL, NAMAKKAL-637018

## DEPARTMENT OF CIVIL ENGINEERING

### ACTION TAKEN REPORT- STAKE HOLDERS FEED BACK ON CURRICULUM & SYLLABUS

Academic Year 2022-2023

Date: 27.07.2022

Minutes of Curriculum Development Committee


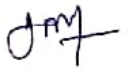
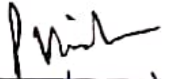
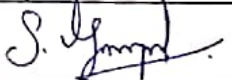
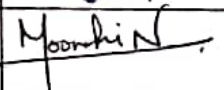
1. To analyse the feedback from various stakeholders.
2. To identify the changes regarding content to be added/deleted in curriculum/syllabus.
3. To include the constructive changes/recommend in the curriculum or syllabus.
4. This has been submitted to Department Advisory Committee (DAC) for further action

Feedback was requested from following Stakeholders

S.No.	Stake Holders	No of feedback form received
1.	Students	61
2.	Teachers	11
3.	Alumni	8
4.	Employer	5

Name of the course	Recommended by	Recommendation	Action Taken
<b>Students Feedback</b>			
Plane and Geodetic Surveying	R.Rajesh, IV/VIII- B.E Civil Engineering	Need to be include any advanced topics like "Remote sensing & GIS"	Recommendation considered & Forward for the approval of DAC.
Strength of materials	S.U.Sushmaa III/VI- B.E Civil Engineering	Include the topic "Thin cylindrical and spherical shells" in syllabus.	Forwarded suggestion for the approval of DAC.
Highway Engineering	T. Jaisankar III/VI- B.E Civil Engineering	The content in the unit 2 can be reduced.	Forwarded suggestion for the approval of DAC.
<b>Faculty Feedback</b>			
Construction materials, techniques and practices	S.Rajeswari, AP/Civil	Include specific gravity test for cement and aggregates in unit II.	The suggestion is forwarded for the approval of DAC.
Analysis of laminated Composite plates	N.Mooorthi, AP/Civil	Include the topic "Geometric and physical definitions, natural and manmade composites in unit I.	The suggestion is forwarded for the approval of DAC.
Applied hydraulic	B.Kiruthika,	Include Modi P.N	The suggestion is forwarded

engineering	AP/Civil	&Seth "Hydraulics and Fluid Mechanicsincluding hydraulic machines" book as text book.	for the approval of DAC.
Highway engineering laboratory	M.Rajkannan, AP/Civil	Include "Ring & Ball" test in bitumen tests.	The suggestion is forwarded for the approval of DAC.
<b>Alumni Feedback</b>			
Construction materials Laboratory	S.Mouli, Technical Engineer, India Cements, Chennai	Include water absorption test for aggregates.	Forwarded suggestion for the approval of DAC.
Design of Steel Structures	M.Girisankar, Executive Engineer, L&T Geostructure, Chennai	Content can be reduced.	Forwarded suggestion for the approval of DAC.
Railways, Airport &Harbour Engineering	V.Dineshbabu, Technical Assistant, Highways Department, Denkanikottai	Content can be reduced from unit V.	Forwarded suggestion for the approval of DAC.
<b>Employer Feedback</b>			
Construction materials, Techniques and Practices	D.Arul, DNA Construction, Coimbatore.	More Practical oriented topics to be included in syllabus.	The suggestion is forwarded for the approval of DAC.
One Credit Courses	Er.K.Vinothan, RK & Sons, Salem	More Software related courses can include in syllabus.	The suggestion is forwarded for the approval of DAC.
Building design and structural drawing	Er.Ramprasad, Cistron Technology, Trichy	Add more topics in Employability Enhancement subjects.	The suggestion is forwarded for the approval of DAC.

S.No	Name of the Member	Designation	Role	Signature
1.	Mrs. K. Sharmila Devi	HOD	Chairman/BOS	
2.	Mr. A. Jayapal	Assistant Professor	Member	
3.	Mr.P.Vignesh	Assistant Professor	Member	
4.	Ms. S. Gayathri	Assistant Professor	Member	
5.	Mr. N. Moorthi	Assistant Professor	Member	

  
HOD/Civil

  
PRINCIPAL

# **PAAVAI ENGINEERING COLLEGE**

(Autonomous)

## **DEPARTMENT OF CIVIL ENGINEERING**

### **Minutes of Eighth Board of Studies Meeting**

**Venue: Online mode through Microsoft Teams platform**

**Date and Time: 02.08.2022, 01.30 p.m.**

Minutes of the Eighth Board of Studies meeting was held on August 2<sup>nd</sup> at 01.30 p.m. through online mode using Microsoft Teams platform.

The following members were present,

<b>S.No</b>	<b>Name</b>	<b>Designation</b>	<b>Position in the Committee</b>	<b>College / University / Industry</b>
1.	Prof.K.Sharmiladevi	HoD/ Civil	Chairman	Paavai Engineering College, Namakkal.
2.	Dr.K.Chinnaraju	Professor/ Division of Structural Engineering	University Nominee	Anna University, Chennai.
3.	Dr.J.Karthikeyan	Associate Professor/Civil	Academic Expert	National Institute of Technology , Thiruchirapalli
4.	Dr.S.S.Chandrasekaran	Professor / School of Civil Engineering	Academic Expert	Vellore Institute of Technology , Vellore
5.	Mr. Rajaram	Managing Director	Industry Expert	Sri RV Associates , Namakkal
6.	Mrs.R.Nivetha	Assistant Engineer	Alumni	Highway Department, Vellore
7.	Mr.A Jayapal	AP/Civil	Members	Paavai Engineering College, Namakkal.
8.	Mr.P.Vignesh	AP/Civil		
9.	Ms.S.Gayathri	AP/Civil		
10.	Mr.N.Moorthi	AP/Civil		

The following agenda are discussed and approved

1. Chairman - BoS introduced the members of the Board of Studies.
2. Chairman –BoS briefed the members about the agenda.
3. To discuss the 7<sup>th</sup> and 8<sup>th</sup> Semester Syllabus of UG Students admitted in the year 2019-2020 of R2019.
4. To discuss the 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> Semester Syllabus of UG Students admitted in the year 2020-2021 of R2019.
5. Addition of Soft skills I & Soft skills II as One Credit course in 3<sup>rd</sup> and 4<sup>th</sup> Semester of R2019 for the students admitted from 2021-2022 onwards.
6. To discuss the Value Added Courses for the UG Students admitted under R2019.
7. Panel of Examiners

The following are the suggestions given by the Members of Board of Studies

### **UG - Regulation 2019**

- Compared with R2016, the new courses introduced in R2019 are listed below,

<b>S.No</b>	<b>Semester</b>	<b>Course code</b>	<b>Course Name</b>
1	VIII	CE19801	Construction Management
2	VIII	CE19554	Advanced Concrete Design
3	VIII	CE19651	Construction Resource Planning and Management
4	VIII	CE19654	Geo Environmental Engineering

### **VII SEMESTER**

The courses whichever discussed are given below,

#### **1. CE19703 - Irrigation and Environmental Engineering Drawing Laboratory**

The committee suggested to,

- Remove the experiment design and drawing of canal drop and Gravity dam from Irrigation Engineering.
- Add the experiment design and drawing of canal regulator.

## **2. CE19451 - Prestressed Concrete Structures**

The committee suggested to,

- Remove the topics Design of Prestressed Concrete Poles and Design of Prestressed Concrete Sleepers from Unit V.
- Change the title of Unit V from “Circular and Vertical Prestressing” to “Circular Prestressing”.
- Include the topic Partial Prestressing with its benefits and Limitations.

## **VIII SEMESTER**

The courses whichever discussed are given below,

The committee suggested the following points to,

### **1. CE19551 - Prefabricated Structures**

- Divide Unit III into two units, Unit III as Design Principles and Unit IV as Joints in Structural Members.
- Change “Erection of Structures” from Unit IV to Unit V

### **2. CE19553 - Bridge Engineering**

- Remove the topics Hendry Jaegar method analysis and Design of T-Beam bridges from Unit II
- Remove the topic Retrofitting and Rehabilitation of Bridges from Unit V
- Add the topic Load Testing of Bridges at the end of Unit V.
- Add Revised edition of Indian Standard codes

### **3. CE19554 - Advanced Concrete Design**

- Make Retaining wall as Separate unit as Unit II
- Make Water tanks as Separate unit as Unit III
- Combine Flat slabs and Yield line theory as single unit to Unit IV
- Change Building frame from Unit III to Unit V

### **4. CE19652 - Maintenance Repair and Rehabilitation of Structures**

- Remove M.S.Shetty “Concrete Technology” from text book and add in Reference.

### **5. CE19653 - Tall Buildings**

- Rename the course title from “Design of Tall Buildings” to “Tall Buildings”

### **UG Regulations 2019 (Amendments)**

- To include Environmental Science and Engineering in 6<sup>th</sup> semester of Regulations 2019 for the students admitted in the year 2020-2021 and to include in 4<sup>th</sup> semester of Regulations 2019 for the students admitted in the year 2021-2022 onwards.

The list of Lateral entry students in III year are:

<b>S.No</b>	<b>Register No.</b>	<b>Name of the Student</b>
1	20103301	AazikRasul. M
2	20103302	Arunachalam.N
3	20103305	Kasthuri. P
4	20103306	Keerthika. P
5	20103308	Praveen. A
6	20103309	Raja. T
7	20103310	Soundharya. A
8	20103311	Tamilarasan.K
9	20103315	Jaikaras.R

- Examination Pattern for Relative Grading:

Anna University – Uniform Evaluation Method of Students based on Relative Grading – Letter No.4040/AU/CAC/Rel.Grading/2022 dated on 25.6.22 is followed for the students admitted in the year 2021-2022 onwards.

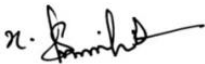




- The list of One Credit Courses offered in the Curriculum R2019 are given below,

<b>S.No</b>	<b>Course code</b>	<b>Course Title</b>
1	CEOCC20101	Advanced Surveying using Total Station
2	CEOCC20102	Building Valuation
3	CEOCC20103	Safety in Construction
4	CEOCC20104	Structural Analysis and Design using Staad Pro
5	CEOCC20105	Building Information Modelling using Revit Architecture
6	CEOCC20106	Project Management using Primavera

- The list of Value Added Courses offered to the students during the academic year 2022-2023 are given below,

S.No	Course code	Course Title
1	22CEVC101	Brick Laying
2	22CEVC201	Stone Masonry
3	22CEVC301	Painting
4	22CEVC401	Building Construction Process
5	22CEVC501	Quantity calculation for Residential Building

The above suggestions were given by the members and approved the syllabi for the 7<sup>th</sup> and 8<sup>th</sup> semester of 2019-20 admitted students, 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> semester of 2020-2021 admitted students of Regulations 2019 (CBCS), one credit courses, value added courses and panel of examiners.

Position in the committee	Chairman	University Nominee	Academic Expert	Academic Expert	Industry Expert	Alumni
Name & Designation	Prof.K.Sharmiladevi HoD/Civil	Dr.K.Chinnaraju Professor/ Division of Structural Engineering	Dr.J.Karthikeyan Associate Professor/Civil	Dr.S.S.Chandrasekaran Professor / School of Civil Engineering	Mr.Rajaram Managing Director	Mrs.R.Nivetha Assistant Engineer
e-Signature				<b>Absent</b>		



**PAAVAI ENGINEERING COLLEGE**

**(AUTONOMOUS)**

**DEPARTMENT OF CIVIL ENGINEERING**

**Action taken report of 8<sup>th</sup> BoS**

**BOS SUGGESTIONS AND IMPLEMENTATION**

**Academic year 2022-2023**

**UG - REGULATIONS 2019**

<b>Sem/Year</b>	<b>Course code/Title</b>	<b>Suggestion by BoS members</b>	<b>Status of Implementation</b>
VII/IV	CE19703 - Irrigation and Environmental Engineering Drawing Laboratory	The committee suggested to, <ul style="list-style-type: none"><li>• Remove the experiment design and drawing of canal drop and Gravity dam from Irrigation Engineering.</li><li>• Add the experiment design and drawing of canal regulator.</li></ul>	Implemented
VII/IV	CE19451 - Prestressed Concrete Structures	The committee suggested to, <ul style="list-style-type: none"><li>• Remove the topics Design of Prestressed Concrete Poles and Design of Prestressed Concrete Sleepers from Unit V.</li><li>• Change the title of Unit V from “Circular and Vertical Prestressing” to “Circular Prestressing”.</li><li>• Include the topic Partial Prestressing with its benefits and Limitations</li></ul>	Implemented
VIII/IV	CE19551 - Prefabricated Structures	The committee suggested to, <ul style="list-style-type: none"><li>• Divide Unit III into two units, Unit III as Design Principles and Unit IV as Joints in Structural Members.</li><li>• Change “Erection of Structures” from Unit IV to Unit V</li></ul>	Implemented
VIII/IV	CE19553 - Bridge Engineering	The committee suggested to, <ul style="list-style-type: none"><li>• Remove the topics Hendry Jaegar method analysis and Design of T-Beam bridges</li></ul>	Implemented





		<p>from Unit II</p> <ul style="list-style-type: none"> <li>Remove the topic Retrofitting and Rehabilitation of Bridges from Unit V</li> <li>Add the topic Load Testing of Bridges at the end of Unit V.</li> <li>Add Revised edition of Indian Standard codes</li> </ul>	
VIII/IV	CE19554 - Advanced Concrete Design	<p>The committee suggested to,</p> <ul style="list-style-type: none"> <li>Make Retaining wall as Separate unit as Unit II</li> <li>Make Water tanks as Separate unit as Unit III</li> <li>Combine Flat slabs and Yield line theory as single unit to Unit IV</li> <li>Change Building frame from Unit III to Unit V</li> </ul>	Implemented
VIII/IV	CE19652 - Maintenance Repair and Rehabilitation of Structures	<p>The committee suggested to,</p> <ul style="list-style-type: none"> <li>Remove M.S.Shetty "Concrete Technology" from textbook and add in Reference</li> </ul>	Implemented
VIII/IV	CE19653 - Tall Buildings	<p>The committee suggested to,</p> <ul style="list-style-type: none"> <li>Rename the course title from "Design of Tall Buildings" to "Tall Buildings"</li> </ul>	Implemented



## UG Regulations 2019 (Amendments)

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