



Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD)
Re-accredited with A++ Grade by NAAC. CGPA 3.65/4, Category I by UGC
Coimbatore - 641 043, Tamil Nadu, India

**Minutes of Board of Studies in Department of Civil Engineering held on
02.05.2024 at 09.45 A.M**

Members List:

Internal Members:

Dr.R.Nithya,
Associate Professor & Head
Department of Civil Engineering - **Chairperson**
School of Engineering

Dr.S.Shanthi, Assistant Professor
Department of Civil Engineering - **Member**
School of Engineering

Dr.N.Srimathi, Associate Professor
Department of Civil Engineering - **Member**
School of Engineering

Mrs.M.Ramya Devi, Assistant Professor
Department of Civil Engineering - **Member**
School of Engineering

External Members:

Dr. S. T. Ramesh, Professor & Dean (Academics)
and Chairperson (MS & PhD Admissions)
Department of Civil Engineering - **Academician**
National Institute of Technology
Tiruchirappalli

Er.S.Arunkumar,
Managing Director, Metis Structures - **Industrial Expert**
Coimbatore

Invited Member

Dr.T.Subitha, Assistant Professor,
Department of Civil Engineering, -
School of Engineering.

Student Representative

A.Dikshita (20027UEV01) -
IVB.E Civil Engineering

Alumni Representative

Tamilselvi A (18161UEV08) -
Alumni of 2018-2021 batch

Discussions of the Meeting (pertinent to the agenda)

1.	<p>Passing the syllabi of Specialisation papers applicable for Ph.D. scholars admitted during January, 2024.</p> <p>Discussion: The syllabi of specialization papers 24PHCVE3A Environmental Nanotechnology and 24PHCVE3B Mechanics of Composite Materials are framed for the Part Time Ph.D. scholars admitted during January 2024 and is enclosed as Annexure I.</p>																		
2.	<p>Framing the syllabi from 3rd to 6th semester for the following programmes:</p> <ul style="list-style-type: none">• B.Com. with minor specialization programmes• B.Sc. Augmented Reality and Virtual Reality <p style="text-align: center;">Not Applicable</p>																		
3.	<p>Introduction of Four year Integrated Teacher Education Programme</p> <p style="text-align: center;">Not Applicable</p>																		
4.	<p>Passing the revised Scheme of Instruction and Examination and Syllabi from 3rd to 8th Semesters applicable for the Undergraduate Engineering students admitted from the academic year 2024-2025 & onwards.</p> <p>Discussion:</p> <ul style="list-style-type: none">• The Board recommended the revised Scheme of Instruction and Examination and Syllabi from 3rd to 8th Semesters for B.E Civil Engineering with Computer Application students admitted from the academic year 2024-2025 & onwards is given in Annexure II.• The Board recommended to change the Value added course from 21BEVV01 Real Estate Practices to 24BEVV01 Basics of Interior Design for B.E Civil Engineering with Computer Application students admitted from the academic year 2024-2025 & onwards is given in Annexure II• The Part IV Non Credit Mandatory Courses: A. Ability Enhancement Compulsory Courses (AECC) for the B.E. students admitted from the academic year 2024-2025 & onwards are given below. The syllabus is enclosed as Annexure II. <table data-bbox="592 1533 1323 1858"><tr><td>24BEMC01</td><td>Environmental Science</td></tr><tr><td>24BEMC02</td><td>Constitution of India</td></tr><tr><td>24BEMC03</td><td>Consumer Affairs</td></tr><tr><td>24BEMC04</td><td>Essence of Indian Knowledge Tradition</td></tr><tr><td>24BECS01</td><td>Communication Skills</td></tr><tr><td>24BEMC05</td><td>Design Thinking</td></tr><tr><td>24BESS01</td><td>Soft Skills</td></tr><tr><td>24BEMC06</td><td>Professional Ethics</td></tr><tr><td>24BEMC07</td><td>Disaster Management</td></tr></table>	24BEMC01	Environmental Science	24BEMC02	Constitution of India	24BEMC03	Consumer Affairs	24BEMC04	Essence of Indian Knowledge Tradition	24BECS01	Communication Skills	24BEMC05	Design Thinking	24BESS01	Soft Skills	24BEMC06	Professional Ethics	24BEMC07	Disaster Management
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24BEMC07	Disaster Management																		

- The **Open Elective Courses** offered by the **Department of Civil Engineering** for the students admitted in the other engineering departments from the academic year 2024-2025 & onwards are listed below. The syllabus is enclosed as **Annexure III**.

24BEVO01 Vaastu Shastra and Remedial Vaastu

24BEVO02 Real Estate Practices

24BEVO03 Green Building Concepts

- All Practical components are renamed as Laboratory.
- The Board recommended the following courses for the award of **B.E Honours (Smart Construction)** degree applicable for B.E Civil Engineering with Computer Application students admitted from the academic year 2024-2025 & onwards. The syllabus is enclosed as **Annexure IV**.

B.E. Honours (Smart Construction)

<i>Semester</i>	<i>Course Code</i>	<i>Name of Course/component</i>
V	24BEVH01	Low Cost Construction Techniques
	24BEVH02	Automation in Civil Construction
VI	24BEVH03	3D Printing in Construction
	24BEVH04	Augmented Reality and Virtual Reality in Construction
To be completed between 5th to 7th semesters	24BEVH51/ -	MOOC (12 Weeks Course in SWAYAM – NPTEL)
	24BEVH60	
	24BEVH61/ -	MOOC (12 Weeks Course in SWAYAM – NPTEL)
	24BEVH70	

- The Board recommended the following courses for the award of **B.E Minor Specialization (Interior Design and Planning)** under the **Department of Civil Engineering** for B.E students admitted in the other engineering departments from the academic year 2024-2025 & onwards. The syllabus is enclosed as **Annexure V**.

B.E Minor Specialization (Interior Design and Planning)

<i>Semester</i>	<i>Course Code</i>	<i>Name of Course/component</i>
V	24BEVM01	Infrastructure Planning and Management
	24BEVM02	Site Planning and Landscape
VI	24BEVM03	Interior Design and Detailing
	24BEVM04	Introduction to Digital Graphics
To be completed between 5th to 7th semesters	24BEVM01/ -	MOOC (12 Weeks Course in SWAYAM – NPTEL)
	24BEVM10	
	24BEVM11/ -	MOOC (12 Weeks Course in SWAYAM – NPTEL)
	24BEVM20	

Internal Members**Dr.S.Shanthi**

Assistant Professor
Department of Civil Engineering,
School of Engineering

S. Shanthi
2/5/24

Dr.N.Srimathi

Associate Professor
Department of Civil Engineering
School of Engineering

N. Srimathi
2/5/24

Mrs.M.Ramya Devi

Assistant Professor
Department of Civil Engineering
School of Engineering

M. Ramya Devi
02/05/2024

Invited Member**Dr.T.Subitha**

Assistant Professor
Department of Civil Engineering
School of Engineering

T. Subitha
2/5/24

Invited Member (Student Representative)

A.Dikshita (20027UEV01)
IV B.E Civil Engineering

A. Dikshita

Invited member (Alumni Representative)

Tamilselvi A 18161UEV08
Alumni of 2018-2021 batch

Tamilselvi A

1. Revision of Courses in already existing Programme (if any)**a. Revision of courses without title change (2024-2025)**

Course code	Course title	Semester	Credits	Percentage of revision
24BEVC03	Construction Materials and Technology	III	3	10%
24BEVC09	Highway Engineering	IV	3	20%
24BEVC10	Concrete Technology	IV	3	10%
24BEVC15	Computer Aided Design in RC Elements	V	3	5%
24BEVC19	Design of Steel Structures	VI	4	30%
24BEVC21	Water Resources and Irrigation Engineering	VI	3	5%
24BEVC26	Construction Management	VII	3	5%

b. Introduction of courses/Revision of Courses with title change (2024-2025)

Course code	Course title	Semester	Credits	Type (Specify- New/Title change)	Percentage of revision (if new indicate as new)
24BESM03	Transforms, Partial Differential Equations and Numerical Methods	III	4	Title change	40%
24BEES20	Mechanics Laboratory	III	1	Title change	0%
24BEVC05	Survey Laboratory	III	1	Title change	0%
24BEVC11	Hydraulic sand Hydraulic Machinery Laboratory	IV	1	Title change	0%
24BEVC12	Soil Mechanics Laboratory	IV	1	Title change	0%
24BEVC17	Computer Aided Building Drawing Laboratory	V	1	Title change	0%
24BEVC18	Construction Technology Testing Laboratory	V	1	Title change	0%
24BEVC22	Sustainable and Green Construction	VI	3	New	New
24BEVC23	Computer Aided Structural Engineering Laboratory	VI	1	Title change	0%
24BEVC24	Environmental Engineering Laboratory	VI	1	Title change	0%
24BEVC28	Concrete and Highway Laboratory	VII	1	Title change	0%

24BEVE03	Repair and Rehabilitation of Structures	V	3	New	60%
24BEVE06	Masonry Structures	VI	3	New	New
24BEVE08	Construction Equipment and Automation	VI	3	New	New
24BEVE11	Tall Buildings	VII	3	New	New
24BEVE21	Solid and Hazardous Waste Management	V	3	New	New
24BEVE26	Earthquake Geotechnical Engineering	VI	3	New	New
24BEVE27	3D Printing and Design	VI	3	New	New
24BEVE28	Intelligent Transportation System	VI	3	New	New
24BEVE30	Climate Change Adaptation and Mitigation	VII	3	New	New
24BEVE31	Instrumentation and Sensor Technologies for Civil Engineering Applications	VII	3	New	New
24BEVE32	Infrastructure for Smart City Planning	VII	3	New	New

2. New Programme (if any) introduced- Nil

3. Part IV Component of UG/ Part II Component of PG (if any):

a. Revision of courses in Part IV Component of UG/ Part II Component of PG without title change- Nil

Course code	Course title	Semester	Credits	Percentage of revision

b. Introduction of courses/Revision of Courses in Part IV Component of UG/ Part II Component of PG with title change

Course coded	Course title	Semester	Credits	Type (Specify- New/Title change)	Percentage of revision (if new indicate as new)
24BEVV01	Value Added Course (Basics of Interior Design)	III	-	New	New
24BEMC04	Essence of Indian Knowledge Tradition	IV	-	New	New
24BEMC05	Design Thinking	V	-	New	New
24BEMC06	Professional Ethics	VI	-	New	New
24BVBAP1/ 24BVBGP1/ 24BVBWS1/ 24BSCGA1/ 24BSCQA1	Value Based Elective-II	VI	-	New	New

4. Deletion or removal of courses to be specified in detail (if any)

Course code	Course title	Semester	Credit
21BEHS04	Professional Practices, Ethics and Building Bye-Laws	III	3
21BEVS05	Energy Science and Engineering	IV	2
21BEVC24	Construction Software Practicals	VII	3
21BEVE05	Bridge Structures	VI	3
21BEVE06	Industrial Structures	VI	3
21BEVE09	Storage Structures	VI	3
21BEVE11	Finite Element Analysis	VII	3
21BEVE12	Experimental Analysis of Stress	VII	3
21BEVE21	Building Services	V	3
21BEVE25	Industrial Waste Management	VI	3
21BEVE27	Hydrology	VI	3
21BEVE28	Traffic Engineering and Management	VI	3
21BEVE31	Airport, Docks and Harbour Engineering	VII	3