



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
07.10.2023 at 09.45 A.M**

Members List:

Internal Members:

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

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

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

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

External Members:

Dr. S. T. Ramesh, Professor
Department of Civil Engineering
National Institute of Technology
Tiruchirappalli - **Academician**

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

Invited Member (Staff)

Mrs.T.Subitha
Assistant Professor,
Department of Civil Engineering,
School of Engineering.

Invited Member (Student Representative)

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


Invited member (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 July, 2023.</p> <p style="text-align: center;">Not Applicable</p>
2.	<p>Passing the syllabi with the inclusion of CO-PO mapping and matrix for 5th and 6th semester, applicable for Undergraduate students admitted from the academic year 2023 - 2024 & onwards.</p> <p style="text-align: center;">Not Applicable</p>
3.	<p>Com. with minor specialisation programmes, the scheme and the syllabi from 2nd to 4th semester.</p> <p style="text-align: center;">Not Applicable</p>
4.	<p>Incorporating Indian Knowledge System by certain departments in our Undergraduate / Postgraduate curriculum following the Agenda 45 of the 44th Academic Council meeting. (Refer website: file:///C:/Users/Admin/Downloads/44th%20Academic%20Council %2014.07.2023.pdf)</p> <p style="text-align: center;">Not Applicable</p>
5.	<p>List of Subject experts for Screening & Selection Committee, For Practical Examination, Question Paper Setting and Paper Valuation.</p> <p>Discussion: List of updated subject experts for Screening & Selection Committee, Practical Examination, Question Paper Setting and Paper Valuation are enclosed as Annexure I.</p>
6.	<p>Any other</p>
a)	<p>Correction in Course codes/ Value Based Elective- II title in Part IV table for B.E. Civil Engineering Programme for students admitted during 2023-24 and onwards</p> <p>Discussion:</p> <p>A. Ability Enhancement Compulsory Courses (AECC) Course code- 21BAFU01 Fundamentals of Research is changed as 21BEUR01 Fundamentals of Research</p> <p>C. Value Based Elective- I Course codes of 23BVBNS 1-6 NSS, 23BVBNC 1-6 NCC and 23BVBSP 1-6 Sports (Representing the Institute) are changed as 23EVBNS1-6 NSS, 23EVBNC 1-6 NCC and 23EVBSP 1-6 Sports (Representing the Institute).</p> <p>C. Value Based Elective- II Course code and title of 23BWSVB1 Gender Equality and Empowerment of Women is changed as 23EVBWS1 Women Empowerment Perspective in the Current Scenario.</p> <p>D. Computer Based Test (CBT) Since 21BEMV01 Civil Engineering is a non-credit mandatory course it is included in Part IV. The board accepted the correction in Course codes and title of Ability Enhancement Compulsory Course and Value Based Electives – I & II in Part IV table for B.E. Civil Engineering students admitted during 2023-24 and onwards and enclosed as Annexure II</p>
b)	<p>Suggestions by Students/Alumni/Employers on Curriculum and Syllabus (A workshop in the department to be organized before the BoS and minutes of the same to be placed in the BoS. The action taken on those recommendations to be specified in the minutes of BoS.)</p>
	<p>A.Dikshita, 20027UEV01- IV Civil Engineering Ability Enhancement Courses help in improving knowledge other than the core domain, and skills as the focus is towards better industry placements.</p>

	<p>Tamilselvi A, 18161UEV08 (2018-2021) Batch, Alumni The curriculum covers the latest technologies, including the Application of 3D Printing, Sensors in Civil Engineering. Certification of NPTEL for MOOC offered by IITs was very useful.</p>
c)	<p>Discussion on introduction to Certificate /Diploma courses for The expert suggested the following courses in align with NEP for the students:</p> <ol style="list-style-type: none"> 1. Construction Safety 2. Construction Engineering Management 3. Design and development of Non-destructive testing procedures 4. Advanced Surveying Techniques 5. Building Information Modelling <p>The same courses can also be offered to working professionals as certificate /Diploma Courses.</p> <p>Also he suggested add – on Courses for students of any discipline.</p> <ol style="list-style-type: none"> 1. Building Instrumentation 2. Building Automation 3. Green Building

Members Present:		Signature
Chairperson		
Dr.R.Nithya Associate Professor & Head Department of Civil Engineering School of Engineering.	-	
External Members		
Dr. S. T. Ramesh Professor Department of Civil Engineering National Institute of Technology Tiruchirappalli.	-	
Er.S.Arunkumar Managing Director Metis Structures Coimbatore.	-	ABSENT
Internal Members		
Dr.S.Shanthi Assistant Professor Department of Civil Engineering School of Engineering.	-	

Dr.N.Srimathi Associate Professor Department of Civil Engineering School of Engineering.		
Ms.M.Ramyadevi Assistant Professor Department of Civil Engineering School of Engineering.	-	
Invited Member (Staff)		
Mrs.T.Subitha Assistant Professor, Department of Civil Engineering, School of Engineering.		
Invited Member (Student Representative)		
A.Dikshita (20027UEV01) IV B.E Civil Engineering		
Invited member (Alumni Representative)		
Tamilselvi A 18161UEV08 Alumni of (2018-2021) batch		

1. Revision of Courses in already existing Programme (if any)

a. Revision of courses without title change

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Course code	Course title	Semester	Credits	Percentage of revision
-	-	-	-	-

b. Introduction of courses/Revision of Courses with title change

Course code	Course title	Semester	Credits	Type (Specify- New/Title change)	Percentage of revision (if new indicate as 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***

Course code	Course title	Semester	Credits	Percentage of revision
A. Ability Enhancement Compulsory Courses(AECC)				
21BEUR01	Fundamentals of Research	2	-	-
C. Value Based Elective- I				
23EVBNS 1-6/ 23EVBNC 1-6/ 23EVBSP 1-6	NSS/ NCC/ Sports (Representing the Institute)	1-6	-	-
D. Computer Based Test (CBT)				
21BEMV01	Civil Engineering	7	-	-

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

Course code	Course title	Semester	Credits	Type (Specify- New/Title change)	Percentage of revision (if new indicate as new)
C. Value Based Elective-II					
23EVBWS1	Women Empowerment Perspective in the Current Scenario	6	-	Title change	-

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



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Coimbatore - 641 043, Tamil Nadu, India

**Minutes of Board of Studies in Department of Civil Engineering held on
04.01.2024 at 10.00 A.M**

Members List:

Internal Members:

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

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

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

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

External Members:

Dr. S. T. Ramesh, Professor
Department of Civil Engineering
National Institute of Technology
Tiruchirappalli - **Academician**

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

Invited Member

Mrs.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 revised Scheme of instruction and Syllabus for 1st and 2nd Semesters applicable for the Undergraduate Engineering students admitted from the academic year 2024-2025 & onwards.</p> <p>Discussion and Recommendation:</p> <ul style="list-style-type: none">• The Board revised the Scheme of Instruction and Syllabi for 1st and 2nd Semesters a for B.E Civil Engineering with Computer Application students admitted from the academic year 2024-2025 & onwards and is given in Annexure I. <p>Semester I and II:</p> <ul style="list-style-type: none">• 24BESP02 Physics - Oscillation, Waves and Optics is included as an inbuilt course.• 24BEES01 Basic Electrical and Electronics Engineering syllabus is revised and changed as an inbuilt course.• The theory course 21BEES04 Programming for Problem Solving using C and Python has been separated as 24BEES02 Programming for Problem Solving using C & 24BEES09 Programming for Problem Solving using Python in I and II semesters respectively.• The practical course 21BEES06 Programming for Problem Solving using C and Python has been separated as 24BEES05 Programming for Problem Solving using C Laboratory & 24BEES13 Programming for Problem Solving using Python in I and II semesters respectively.• 21BEES02 Engineering Graphics is renamed as 24BEES08 Computer Aided Engineering Graphics for Civil Engineering with Computer Application, Biomedical Instrumentation Engineering, Food Technology and Electronics and Communication Engineering students. The course is considered as Laboratory.• 21BEES05 Workshop Practicals is renamed as 24BEES07 Workshop Practices Laboratory for Civil Engineering with Computer Application and Food Technology students. The credit is reduced from 3 to 2.• 24BEHS02 Universal Human Values (Understanding Harmony and Human Conduct) in semester II has been introduced as per the AICTE model curriculum.• 21BESC01 Engineering Chemistry is renamed as 24BESC02 Chemistry for Civil Engineers and changed to an inbuilt course.• 24BEES11 Engineering Mechanics is introduced in semester II for students admitted from the academic year 2024-2025 & onwards.• Introduction of Honours Degree in Smart Construction for Civil Engineering with Computer Application students admitted from the academic year 2024-2025 & onwards.• Introduction of Minor Specialization in Interior Design and Planning for the students of other B.E Programmes admitted from the academic year 2024-2025 & onwards. <p>Discussion on Non Credit Mandatory Courses</p> <ul style="list-style-type: none">• Environmental Science (Semester I), NSS-I/NCC-I/Sports-I (Semester I), Constitution of India (Semester II), NSS-II/NCC-II/Sports-II (Semester II), Consumer Affairs & Value Added Course (Semester III), Essence of Indian Knowledge Tradition & Communication Skills (Semester IV), Soft Skills & Design Thinking (Semester V), Professional Ethics & Value Based Elective – II (Semester VI), Disaster Management & Computer Based Test (Semester VII).
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2.	<p>Passing the syllabi of I & II Semester with the inclusion of five Course Outcomes for theory courses, three Course Outcomes for laboratory courses and 5 Course Outcomes for Inbuilt courses for the Undergraduate Engineering students admitted from the academic year 2024-2025 & onwards.</p> <p>Discussion and Recommendation:</p> <ul style="list-style-type: none"> The board recommended to include five Course Outcomes for theory courses, three Course Outcomes for laboratory courses and 5 Course Outcomes for Inbuilt courses for the Undergraduate Engineering students admitted from the academic year 2024-2025 & onwards.
3.	<p>Reduction in total credits from 165+2 to 165 to earn a degree in B.E Civil Engineering with Computer Application for the students admitted from 2024 - 2025 & onwards.</p> <p>Discussion and Recommendation:</p> <ul style="list-style-type: none"> An Additional MOOC – NPTEL course (core/non-core) with 2 credits is removed, as already two MOOC courses are included for credit transfer. Total credits of 165 is required to a degree in B.E Civil Engineering with Computer Application for the students admitted from 2024-2025 & onwards. <p>Experts recommended the credit reduction from 165+2 to 165 (as per the AICTE norms) to earn a degree in B.E. Civil Engineering with Computer Application.</p>
4.	<p>Evaluation of MOOCs applicable for the B.E. students admitted from 2020-2021 & onwards & onwards as given below be ratified:</p> <p>Discussion and Recommendation:</p> <ul style="list-style-type: none"> If the student scores between 40 and 49 marks out of 100 in NPTEL exam and receives NPTEL certificate, relational value of 50 marks can be fixed. If the student scores 50 & above marks in NPTEL exam and receives NPTEL certificate, only absolute value of the marks can be considered. If the student scores less than 40 marks out of 100 and did not receive NPTEL certificate till VII semester of B.E. or if the student scores more than 40 marks out of 100 without satisfying minimum passing criteria of NPTEL and not receiving the NPTEL completion certificate, the student may be permitted to appear for an in-house Comprehensive Examination conducted by the Institute at the end of the VII semester of B.E. for the course title already enrolled in NPTEL. In case of failure in the in-house examination, they may be permitted to appear for in-house arrear examination.
5.	<p>Any other</p> <p>Discussion and Recommendation:</p> <ul style="list-style-type: none"> All Practical components are renamed as Laboratory Credit definition for laboratory courses with 2 or 3 hours duration is considered as 1 credit.
6.	<p>Suggestions by Students/Alumni/Employers on Curriculum and Syllabus (A workshop in the department to be organized before the BoS and minutes of the same to be placed in the BoS. The action taken on those recommendations to be specified in the minutes of BoS.)</p>
a)	<p>A. Dikshita, 20027UEV01- IV Civil Engineering Introduction of Computer Aided Graphics will be helpful for Civil Engineering students.</p>
b)	<p>Tamilselvi A, 18161UEV08 (2018-2021) Batch, Alumni Introduction of computer application in the design and analytical subjects is the need of the hour in the field of Civil Engineering and will be useful for the career of the students.</p>

Members Present:

Signature

Chairperson

Dr.R.Nithya

Associate Professor & Head
Department of Civil Engineering
School of Engineering.

R.Nithya
4/1/2024

External Members

Dr.S.T.Ramesh

Professor
Department of Civil Engineering
National Institute of Technology
Tiruchirappalli.

S.T.Ramesh

Er.S.Arunkumar

Managing Director
Metis Structures
Coimbatore.

ABSENT

Internal Members

Dr.S.Shanthi

Assistant Professor
Department of Civil Engineering
School of Engineering.

S.Shanthi
4/1/24

Dr.N.Srimathi

Associate Professor
Department of Civil Engineering
School of Engineering.

N.Srimathi
4/1/24

Ms.M.Ramya Devi

Assistant Professor
Department of Civil Engineering
School of Engineering.

M.Ramya Devi
4/1/2024

Invited Member

Mrs.T.Subitha

Assistant Professor,
Department of Civil Engineering,
School of Engineering.

T.Subitha

Student Representative

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

A.Dikshita

Alumni Representative

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

A.Tamilselvi

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

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)
24BEES07	Workshop Practices Laboratory	I	2	Title change	20
24BEES08	Computer Aided Engineering Graphics	II	3	Title change	20
24BEHS02	Universal Human Values (Understanding Harmony and Human Conduct)	II	3	New	100
24BEES11	Engineering Mechanics	II	4	New	100

2. New Programme (if any) introduced- Nil**3. Part IV Component of UG/ Part II Component of PG (if any): Nil*****a. Revision of courses in Part IV Component of UG/ Part II Component of PG without title change***

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 : Nil

Course coded	Course title	Semester	Credits	Type (Specify- New/Title change)	Percentage of revision (if new indicate as new)

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

Course coded	Course title	Semester	Credits