



**NEW HORIZON**  
**COLLEGE OF ENGINEERING**  
New Horizon Knowledge Park, Ring Road, Marathalli  
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC  
Accredited by NAAC with 'A' Grade. Accredited by NBA

## **DEPARTMENT OF CIVIL ENGINEERING**

### **8<sup>th</sup> BOARD OF STUDIES MEETING**

#### **Minutes of Meeting**

#### **ACADEMIC YEAR 2022-23**

**DATE** : 09.06.2022  
**VENUE** : DEPARTMENT OF CIVIL ENGINEERING  
**TIME** : 10.30 AM

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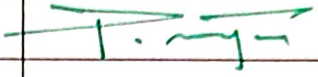

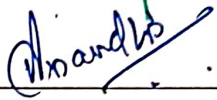
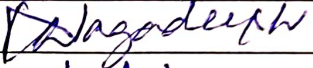
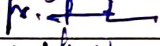
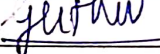

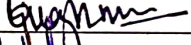
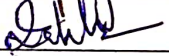



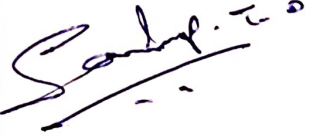
## **AGENDA FOR THE MEETING**

- 1. Welcome address by the chairman of BOS**
- 2. Presentation by Chairman of BOS about Department achievements**
- 3. Presentation of proceedings of the previous BOS meeting by Chairman of BOS.**
- 4. Presentation of draft of Scheme & Syllabus of Final year Civil Engineering Courses for ratification.**
- 5. Recommendations/ Suggestions of BOS members.**
- 6. Implementation of recommendation of BOS members**
- 7. Approval of Scheme & Syllabus of Final year Civil Engineering Subjects**
- 8. Vote of Thanks by the chairman of BOS**

### BOS LIST OF MEMBERS 2022-23

Sl. No	Category	Nomination of the committee	Name of the person	Email ID & Mobile No
1	Head of the Department	Chairperson	Dr. Niranjan P S	niranjanps@newhorizonindia.edu 9845788345
2	Faculty member at different level with different specialization	Member		
		1	Dr. Jagadeesh C B	dr.jagadeeshcb@newhorizonindia.edu 9008604236
		2	Prof. Surendra B V	surendrabv@newhorizonindia.edu 9663758660
		3	Dr. Geetha Varma V	geethavv@newhorizonindia.edu 9739293202
		4	Dr. Mahesha Nanjegowda	nmahesha@newhorizonindia.edu 9900934756
		5	Dr. Vinay Kumar B M	dr.vinaykumar@newhorizonindia.edu 9945977220
		6	Dr. Natchimuthu Subramani	dr.natchimuthus@newhorizonindia.edu 8056244064
3	Subject expert from outside the college nominated by Academic Council	Member		
		1	Dr. Devatha Chella Purushothaman Associate Professor, National Institute of Technology, Suratkal, Karnataka	devathafce@nitk.edu.in 9483032757
		2	Dr. Radha Krishna , Professor & HOD, RVCE Bengaluru	radhakrishna@rvce.edu.in 9886127398
		3	Dr. P. Prasanna Kumar, Professor & HOD, BMSCE, Bengaluru	ppkiisc@gmail.com 9448555312
4	Experts from outside the college nominated by Vice Chancellor	Member		
		1	Dr. K N Vishwanath Professor & HOD, DSATM, Bengaluru	vishnuknv@yahoo.com 9880059065
5	Representative from Industry / Corporate sector / allied area related to placements, nominated by Academic Council	Member		
		1	Mr. Sandeep T D Asst Engineer, BWSSB, Peenya Division, Govt of Karnataka	sandeep7@gmail.com 9964733758
		2	Mr. N. VijayaBhaskar Project Manager, DSR Waterscape, Bangalore.	bhask.nidhi@gmail.com 7760969310
6	Post Graduate meritorious alumni nominated by Principal	Member		
		1	Mr. Siddarth Hegde Lead Specialist, Space Presentation and Transition, Target Corporations, India	sidd99rocks@gmail.com 7892394614
7	Co-opted members	Member		
		1	Mr. Binod Kumar Singh TPO, NHCE	placementofficer@newhorizonindia.edu 9663928931
		2	Mr. Channabasava	channabasava@newhorizonindia.edu 9844468028

## LIST OF MEMBERS PRESENT

Sl. No	Category	Nomination of the committee	Name of the person	Signature
1	Head of the Department	Chairperson	<b>Dr. Niranjan P S</b>	
2	Special Invitees	Member		
		1	<b>Dr. Manjunatha</b> Principal, NHCE	
		2	<b>Dr. R J Anandhi</b> Dean Academics, NHCE	
2	Faculty member at different level with different specialization	Member		
		1	<b>Dr. Jagadeesh C B</b>	
		2	<b>Prof. Surendra B V</b>	
		3	<b>Dr. Geetha Varma V</b>	
		4	<b>Dr. Mahesha Nanjegowda</b>	
		5	<b>Dr. Vinay Kumar B M</b>	
		6	<b>Dr. Natchimuthu Subramani</b>	
3	Subject expert from outside the college nominated by Academic Council	Member		
		1	<b>Dr. Devatha Chella Purushothaman</b> Associate Professor National Institute of Technology, Suratkal, Karnataka	
		2	<b>Dr. Radha Krishna ,</b> Professor & HOD, RVCE Bengaluru	
		3	<b>Dr. P. Prasanna Kumar,</b> Professor & HOD, BMSE, Bengaluru	
4	Experts from outside the college nominated by by VTU	Member		
		1	<b>Dr. K N Vishwanath</b> Professor & HOD, DSATM, Bengaluru	
5	Representative from Industry / Corporate sector / allied area related to placements, nominated by Academic Council	Member		
		1	<b>Mr. Sandeep T D</b> Asst Engineer BWSSB, Peenya Division, Govt of Karnataka	
		2	<b>Mr. N. Vijaya Bhaskar</b> Project Manager, DSR Waterscape. Bangalore.	

6	Post Graduate meritorious alumni nominated by Principal	Member		
		1	<b>Mr. Siddarth Hegde</b> Lead Specialist, Space Presentation and Transition, Target Corporations, India	
7	Co-opted members	Member		
		1	<b>Mr. Binod Kumar Singh</b> TPO, NHCE <i>Head-III C &amp; CR</i>	<i>B. Singh</i>
		2	<b>Mr. Channabasava</b>	<i>Channabasava</i>

## AGENDA -1

### **Welcome address by the Chairman of BOS**

The 8<sup>th</sup> Board of Studies meeting of Department of Civil engineering was scheduled on 09.06.2022 at 10.30 AM in the Civil Engineering Department.

At the outset, Chairperson Dr. Niranjana P S – Professor & Head – Department of Civil Engineering, welcomed the members for attending the 8<sup>th</sup> Board of Studies meeting that was being arranged in smart class room C 222 via online platform.

The chairperson introduced Dr. Manjunatha, Principal and Dr. R J Anandhi, Prof & Dean-Academics, New Horizon College of Engineering to the members of Board of Studies and welcomed them for the ensuing proceedings.

The chairperson further expressed special thanks to **Dr. K N Vishwanath**, an expert, nominated by VTU, **Dr. Devatha Chella Purushothaman (joined online)**, **Dr. Radha Krishna** and **Dr. P. Prasanna Kumar** experts, nominated by Academic Council for sparing their valuable time from their busy schedule to attend the meeting.

The chairperson also expressed his gratitude to **industrial nominees**, Mr. Sandeep T D, Asst Engineer, BWSSB, Govt of Karnataka and Mr. N. Vijaya Bhaskar, Project Manager, DSR Waterscape. Bangalore.

The meeting was also attended by meritorious alumnus **Mr. Siddarth Hegde**, Lead Specialist, Space Presentation and Transition, Target Corporations, India nominated by the Principal, Co-opted members **Mr. Binod Kumar Singh**, TPO, NHCE, **Mr. Channabasava**, NHCE and Internal faculty member **Dr. Jagadeesh C B**, **Prof. Surendra B V**, **Dr. Geetha Varma V**, **Dr. Mahesha Nanjegowda**, **Dr. Vinay Kumar B M** & **Dr. Natchimuthu Subramani** specialized in various domains.

## AGENDA -2

### **Presentation by the Chairman of BOS about the Departmental achievements**

Chairman of BOS Dr. Niranjana P S, Professor & Head, Department of Civil Engineering, presented the achievements of the department in the current academic year 2021-22.

## AGENDA -3

### **Presentation of proceedings of the previous BOS meeting by the Chairman of BOS**

The Chairman of BOS Dr. Niranjana P S, Professor & Head, Department of Civil Engineering, briefed the proceedings of previous BOS meeting acknowledging their contribution for betterment in framing the scheme & syllabus.

## AGENDA -4

### **Proposed Course details for the academic year 2022-23**

#### **I/II sem (2021 Scheme - 160 Credits)**

Sl. No	Course Code	Course Name	Credits distribution				Total Credits	Marks	
			L	T	P	S		CIE	SEE
1	21CIV14A / 21CIV24A	Elements of Civil Engineering	3	0	0	0	3	50	50
	<b>Total Credits</b>						<b>3</b>		



### III sem (2021 Scheme -160 Credits)

Sl. No	Course Code	Course	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			CIE	SEE	Total
1	21CIV31A	Applied Mathematics-III	AS	2	1	0	0	3	4	50	50	100
2	21HSS322A	Life Skills for Engineers	HSS	1	0	1	0	2	3	50	50	100
3	21HSS331A	Entrepreneurship Development -II	HSS	1	0	0	0	1	1	50	50	100
4	21HSS341A	Constitution of India & Professional Ethics	HSS	1	0	0	0	1	1	50	50	100
5	21CIV35A	Strength of Materials	CIV	2	1	0	0	3	4	50	50	100
6	21CVL35A	Strength of Materials Lab	CIV	0	0	1	0	1	2	50	50	100
7	21CIV36A	Surveying	CIV	2	1	0	0	3	4	50	50	100
8	21CVL36A	Surveying Lab	CIV	0	0	1	0	1	2	50	50	100
9	21CIV37A	Fluid Mechanics and Hydraulic Machinery	CIV	2	1	0	0	3	4	50	50	100
10	21CVL37A	Fluid Mechanics and Hydraulic Machinery Lab	CIV	0	0	1	0	1	2	50	50	100
11	21CIV38A	Mini Project (Computer Aided Planning and Drawing)	CIV	0	1	1	0	2	4	50	50	100
<b>Total</b>								<b>21</b>	<b>31</b>	<b>550</b>	<b>550</b>	<b>1100</b>
<i>** The following courses are exclusively for Lateral Entry Students</i>												
1	21DMAT31A	Basic Applied Mathematics -I	AS	0	0	0	0	0	2	50	50	100

### IV sem (2021 Scheme -160 Credits)

Sl. No	Course Code	Course	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			CIE	SEE	Total
1	21CIV41A	Applied Mathematics-IV	AS	2	1	0	0	3	4	50	50	100
2	21CIV421A	GIS and Remote Sensing	CIV	1	0	1	0	2	3	50	50	100
3	21HSS432A/ 21HSS433A	Aadalitha Kannada / Vyavaharika Kannada	HSS	1	0	0	0	1	1	50	50	100
4	21HSS442A	Environmental Science	HSS/ CIV	1	0	0	0	1	1	50	50	100
5	21CIV45A	Construction Materials and Concrete Technology	CIV	2	1	0	0	3	4	50	50	100
6	21CVL45A	Concrete Technology Lab	CIV	0	0	1	0	1	2	50	50	100
7	21CIV46A	Theory of Structures	CIV	2	1	0	0	3	4	50	50	100
8	21CVL46A	Theory of structures Lab	CIV	0	0	1	0	1	2	50	50	100
9	21CIV47A	Geotechnical Engineering	CIV	2	1	0	0	3	4	50	50	100
10	21CVL47A	Geotechnical Engineering Lab	CIV	0	0	1	0	1	2	50	50	100
11	21CIV48A	Summer Internship - I	CIV	0	0	0	2	2	0	100	00	100
<b>Total</b>								<b>21</b>	<b>27</b>	<b>600</b>	<b>500</b>	<b>1100</b>
<i>** The following courses are exclusively for Lateral Entry Students</i>												
1	21DAEC40A	Communicative English	HSS	0	0	0	0	0	2	50	50	100
2	21DMAT41A	Basic Applied Mathematics - II	AS	0	0	0	0	0	2	50	50	100

**V sem (2021 Scheme -160 Credits)**

Sl. No	Course Code	Course	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			CIE	SEE	Total
1	21CIV51A	Environmental Engineering	CIV	2	1	0	0	3	4	50	50	100
2	21CVL51A	Environmental Engineering Lab	CIV	0	0	1	0	1	2	50	50	100
3	21CIV52A	Design and Detailing of RC Structural Elements	CIV	2	1	0	0	3	4	50	50	100
4	21CVL52A	Design and Detailing of RC Structural Elements Lab	CIV	0	0	1	0	1	2	50	50	100
5	21CIV53*A	Professional Elective - I	CIV	2	1	0	0	3	4	50	50	100
6	21CIV54*A	Professional Elective - II	CIV	2	1	0	0	3	4	50	50	100
7	21AEC55A	Research Methodology and Intellectual Property Rights	CIV	2	0	0	0	2	2	50	50	100
8	21AEC56A	Construction Management and Engineering Economics	CIV	2	0	0	0	2	2	50	50	100
9	21PED57A	Physical Education	HSS	0	0	0	0	0	2	50	50	100
10	21CIV58A	Mini Project	CIV	0	0	2	0	2	4	50	50	100
<b>Total</b>								<b>20</b>	<b>30</b>	<b>500</b>	<b>500</b>	<b>1000</b>

Professional Elective -I		Professional Elective -II	
Course code	Course	Course code	Course
21CIV531A	Hydrology and Irrigation Engineering	21CIV541A	Pavement Materials and construction
21CIV532A	Advanced surveying	21CIV542A	Earth Science Engineering
21CIV533A	Advance concrete technology	21CIV543A	Construction quality and safety
21CIV534A	Open channel hydraulics	21CIV544A	Design of masonry structures
21CIV535A	Air pollution and control	21CIV545A	Solid waste management

**VI sem (2021 Scheme -160 Credits)**

Sl. No	Course Code	Course	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			CIE	SEE	Total
1	21CIV61A	Design and Drawing of Steel Structures	CIV	2	1	0	0	3	4	50	50	100
2	21CVL61A	Design and Drawing of Steel Structures Lab	CIV	0	0	1	0	1	2	50	50	100
3	21CIV62A	Transportation Engineering	CIV	2	1	0	0	3	4	50	50	100
4	21CVL62A	Transportation Engineering Lab	CIV	0	0	1	0	1	2	50	50	100
5	21CIV63*A	Professional Elective - III	CIV	2	1	0	0	3	4	50	50	100
6	21CIV64*A	Professional Elective - IV	CIV	2	1	0	0	3	4	50	50	100
7	21NHOP6xx	Open Elective -I	-	2	0	1	0	3	4	50	50	100
8	21CIV66A	Summer Internship - II (Extensive Survey Project)	CIV	0	0	0	3	3	0	50	50	100
9	21PED67A	Physical Education	HSS	0	0	0	0	0	2	50	50	100
<b>Total</b>								<b>20</b>	<b>26</b>	<b>450</b>	<b>450</b>	<b>900</b>

Professional Elective -III		Professional Elective -IV	
Course code	Course	Course code	Course
21CIV631A	Rural water supply and sanitation	21CIV641A	Pavement materials and construction
21CIV632A	Matrix method of structural analysis	21CIV642A	Pre-fabricated structures
21CIV633A	Design and drawing of hydraulic structures	21CIV643A	Mechanization in construction
21CIV634A	Applied Geotechnical Engineering	21CIV644A	Recycling of waste water
21CIV635A	Advanced foundation Engineering	21CIV645A	Sustainability concepts in civil Engineering

### VII sem (2021 Scheme -160 Credits)

Sl. No	Course Code	Course	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			CIE	SEE	Total
1	21CIV71*A	Professional Elective - V	CIV	2	1	0	0	3	4	50	50	100
2	21CIV72*A	Professional Elective - VI	CIV	2	1	0	0	3	4	50	50	100
3	21NHOP7xx	Open Elective-II	-	2	0	1	0	3	4	50	50	100
4	21NHOP7xx	Open Elective - III	-	2	0	1	0	3	4	50	50	100
5	21CIV75A	Project Work	CIV	0	0	10	0	10	20	50	50	100
<b>Total</b>								<b>22</b>	<b>36</b>	<b>250</b>	<b>250</b>	<b>500</b>

Professional Elective -V		Professional Elective -VI	
Course code	Course	Course code	Course
21CIV711A	Design of pre-stressed concrete structures	21CIV721A	Quantity surveying and contract management
21CIV712A	Numerical methods in Civil Engineering	21CIV722A	Retrofitting and rehabilitation of structures
21CIV713A	Ground water hydrology	21CIV723A	Advanced pre-stressed concrete structures
21CIV714A	Bridge Engineering	21CIV724A	Earthquake Engineering
21CIV715A	Advanced RC structures	21CIV725A	Structural Dynamics

**VIII sem (2021 Scheme -160 Credits)**

Sl. No	Course Code	Course	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			CIE	SEE	Total
1	21CIV81A	Technical Seminar	CIV	0	1	0	0	1	2	50	50	100
2	21CIV82A	Research/ Industry Internship	CIV	0	0	0	15	15	-	50	50	100
<b>Total</b>								<b>16</b>	<b>2</b>	<b>100</b>	<b>100</b>	<b>200</b>

## AGENDA -5

### **Presentation of draft of Scheme & Syllabus of Second year - 160 Credits Civil Engineering Courses for ratification**

- ✓ The Chairperson presented the draft of scheme and contents of syllabus in each Course for seventh and eighth semester for scrutiny. The details were scrutinized by the members of the Board.

#### ❖ Third semester Civil Engineering Courses :-

SL NO	COURSE CODE	COURSE
1	21CIV35A	Strength of Materials
2	21CVL35A	Strength of Materials Lab
3	21CIV36A	Surveying
4	21CVL36A	Surveying Lab
5	21CIV37A	Fluid Mechanics and Hydraulic Machinery
6	21CVL37A	Fluid Mechanics and Hydraulic Machinery Lab
7	21CIV38A	Mini Project (Computer Aided Planning and Drawing)

#### ❖ Fourth Semester Civil Engineering Subjects :-

SL NO	COURSE CODE	COURSE
1	21CIV421A	GIS and Remote Sensing
2	21HSS442A	Environmental Science
3	21CIV45A	Construction Materials and Concrete Technology
4	21CVL45A	Concrete Technology Lab
5	21CIV46A	Theory of Structures
6	21CVL46A	Theory of structures Lab
7	21CIV47A	Geotechnical Engineering
8	21CVL47A	Geotechnical Engineering Lab
9	21CIV48A	Summer Internship - I

## AGENDA -6

### **Recommendations/ Suggestions of BOS members**

#### **1 Discussion Points**

##### **1.1 General**

Members suggested the following measures after discussing pros and cons of the contents of the syllabii of all the courses, their relevance and their coverage within the scheduled allotted time period in a semester.

- ✦ The COs and **mapping of the COs and Program outcomes (POs)** for all the Courses are to be relooked into.
- ✦ PO1 to PO3 only can be considered for mapping with COs in case of core Courses as the other POs are irrelevant to core Courses.
- ✦ Members suggested to reschedule the structure of scheme to enable the students to take up software based courses (Labs) after completion of the core civil engineering subjects.
- ✦ Coaching hours for the GATE and other competitive examinations are to be included in the time table.

##### **1.2 Scheme**

- ✦ The Professional electives of each group should include all the streams of the Civil Engineering and should be carefully chosen.
- ✦ Professional Elective (PE) Courses should provide employable opportunity. Members suggested to include more software related courses in the PE.
- ✦ In Professional Elective-II, the course **Solid Waste Management** has to be shifted since in the same semester the students are studying **Environmental Engineering** subject.
- ✦ In Professional Elective-II, the course **Pavement Materials and Construction** needs to be removed.
- ✦ Members proposed to conduct Workshops/Seminars on **Hydrology and Irrigation Engineering** domain to fill the gap in the curriculum.
- ✦ In Professional Elective-III, Either of **Applied Geo technical Engineering** and **Advanced Foundation Design** has to be removed.



- ✦ In Professional Elective-V, Highway subjects needs to be introduced in the curriculum.
- ✦ In Professional Elective-VI, members opined to remove **Advanced Pre stressed concrete**.
- ✦ The **NPTEL courses** for each elective have to be identified and the link of the same should be mentioned in the syllabus.
- ✦ The scheme of 8<sup>th</sup> semester needs to be checked as per VTU guidelines. The members suggested to include **Project Phase-II** in the final semester instead of Internship. The project work should be covered in both 7<sup>th</sup> and 8<sup>th</sup> semesters.
- ✦ Credits of the Final Project should include the credits assigned for the mini projects. Separate credit allocation of the mini project has to be removed.

### 1.3 Subject Specific

#### 1.3.1 Strength of Materials (21CIV35A)

- ✦ The content of the syllabus has to be restructured.
- ✦ The theory of failures in the Module-1 has to be removed.
- ✦ In Module-3, the portion related in circular sections has to be removed.

#### 1.3.2 Surveying (21CIV36A)

- ✦ The portion of the Module-1 and Module-2 should be merged to one module.
- ✦ The portion of the Module-3 and Module-4 should be merged one module (Module-2).
- ✦ Modern Equipments and Methods should be incorporated in the syllabus.
- ✦ Hands-on workshops should be conducted on modern surveying equipments.
- ✦ The Reference books needs to be checked.
- ✦ In Practical, the Exercise 1-8 to be merged into 3 exercises. The modern methods being followed in the sites need to be introduced.

#### 1.3.3 Fluid Mechanics and Hydraulic Machinery (21CIV37A)

- ✦ The CO-PO mapping has to be checked.

#### 1.3.4 Construction Materials and Concrete Technology (21CIV45A)

- ✦ The title of the subject "Construction Materials and Concrete Technology" should be renamed as Building construction and materials.
- ✦ The CO mapping of Module-2 needs to be checked.

- ✦ The concept of concrete microstructure has to be removed.
- ✦ The self-study component for the subject needs to be removed.
- ✦ In Practical, Experiment 10 & 11(SCC experiments) has to be removed.

#### 1.3.5 *Theory of Structures (21CIV46A)*

- ✦ Module-3 and Module-4 to be combined.
- ✦ In Module-5, two bay two storeys to be removed.
- ✦ In Practical, Members suggested to use the general term "commercial software" instead of "Staad Pro".

#### 1.3.6 *Geotechnical Engineering (21CIV47A)*

- ✦ The portion of the 3 modules should be converted into 5 modules

#### 2.3.7 *Elements of Civil Engineering(21CIV14/24A)*

- ✦ The changes made in the content of the syllabus were accepted by all the members unanimously.

#### 2.3.8 *Environment Science and awareness (21HSS442A)*

- ✦ Members suggested to assign zero credits to the common subjects like Environment Science and awareness (21HSS442A) making them mandatory courses that are to be audited in order to accommodate more core subjects. They also suggested rephrasing the code of the subject as civil engineering (CIV instead of HSS).

## AGENDA -7

### **Implementation of recommendation of BOS members**

The chairperson constituted the following groups to review and implement the recommendations of the BOS members in the scheme and syllabus of the curriculum based on industry needs.

<b>Sl. No</b>	<b>Course Code</b>	<b>Course Name</b>	<b>Faculty Incharge</b>
1	21CIV35A	Strength of Materials	Dr. Natchimuthu Subramani Ms. Snehal R L Mr. Surendra B V Mr. Rajendra T N
2	21CIV36A	Surveying	Mr. Satish D Mr. Nitish Kumar K Dr. Vinay Kumar B M
3	21CIV37A	Fluid Mechanics and Hydraulic Machinery	Dr. Geetha Varma V Ms. Swetti Jha Dr. Jagadeesh C B Ms. Geethu V
4	21CVL35A	Strength of Materials Lab	Dr. Natchimuthu Subramani Ms. Snehal R L Mr. Surendra B V Mr. Rajendra T N
5	21CVL36A	Surveying Lab	Mr. Satish D Mr. Nitish Kumar K Dr. Vinay Kumar B M
6	21CVL37A	Fluid Mechanics and Hydraulic Machinery Lab	Dr. Geetha Varma V Ms. Swetti Jha Dr. Jagadeesh C B Ms. Geethu V
7	21CIV38A	Mini Project (Computer Aided Planning and Drawing)	Mr. Rajendra T N Mr. Yogesh K S Mr. Rahul N K Dr. Natchimuthu Subramani

8	21HSS442A	Environmental Science	Dr. Roopa D Dr. Mahesha N Dr. Geetha Varma Ms. Swetti Jha
9	21CIV421A	GIS and Remote Sensing	Dr. Roopa D Dr. Mahesha N Dr. Giri Prasad C Ms. Serin Issac
10	21CIV45A	Construction Materials and Concrete Technology	Dr. Vinay Kumar B M Mr. Sudhakar G N Mr. Satish D
11	21CIV46A	Theory of Structures	Mr. Surendra B V Mr. Rajendra T N Dr. Natchimuthu Subramani Mr. Rahul N K
12	21CIV47A	Geotechnical Engineering	Dr. Jagadeesh C B Ms. Serin Issac Dr. Giri Prasad C
13	21CVL45A	Construction Materials and Concrete Technology Lab	Dr. Vinay Kumar B M Mr. Sudhakar G N Mr. Satish D
14	21CVL46A	Theory of structures Lab	Mr. Channabasava Mr. Rajendra T N Dr. Natchimuthu Subramani Mr. Rahul N K
15	21CVL47A	Geotechnical Engineering Lab	Dr. Jagadeesh C B Dr. Giriprasad C Ms. Serin Issac

The groups reviewed the curriculum and affected the changes regarding issues raised by external BOS members.

## AGENDA -8

### **Approval of Scheme & Syllabus of Final year Civil Engineering Subjects**

The members of the Board of Studies reviewed the modified draft of the scheme & syllabus which included their recommendations/suggestions.

Finally, the members approved the modified draft for final implementation.



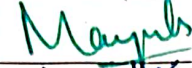
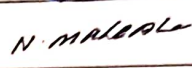
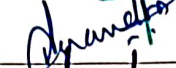
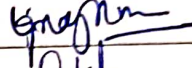
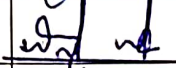
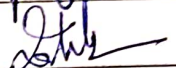


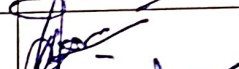
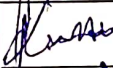


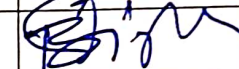

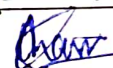
#### ❖ Seventh semester Civil Engineering Subjects :-

SL NO	SUBJECT CODE	SUBJECT
1	20CIV71A	Construction Management & Engineering Economics
2	20CIV72A	Design and drawing of Steel structural elements
3	20CIV73A	Estimation & Valuation
4	<b>21CIV74* Professional Elective-IV</b>	
A	20CIV741A	Matrix Method of Structural Analysis
B	20CIV742A	Theory of Elasticity
C	20CIV743A	Solid Waste Management
D	20CIV744A	Design & Drawing of Hydraulic Structures
E	20CIV745A	Transportation systems
5	<b>21CIV74* Professional Elective-V</b>	
A	20CIV751A	Retrofitting and Rehabilitation of structures
B	20CIV752A	Construction Quality and Safety
C	20CIV753A	Design of Masonry Structures
D	20CIV754A	Water Resources Engineering
E	20CIV755A	Recycling of Waste water
7	20CIV76A	Drawing of Steel structural elements
8	20CIV77A	Highway Materials Lab
9	20CIV78A	Project Work phase-I

❖ **Eighth Semester Civil Engineering Subjects :-**

SL NO	SUBJECT CODE	SUBJECT
1	<b>21CIV81* Professional Elective-VI</b>	
A	20CIV811A	Industrial waste water treatment
B	20CIV812A	Numerical Method of Civil Engineering
C	20CIV813A	Earth and Earth Retaining Structures
D	20CIV814A	Bridge Engineering
E	20CIV815A	Air pollution
2	<b>21CIV82*A Professional Elective-VII</b>	
A	20CIV821A	Pavement Design
B	20CIV822A	Rural water Supply & Sanitation
C	20CIV823A	Advanced R.C Structures
D	20CIV824A	Ground Water Hydrology
E	20CIV825A	Advanced Pre-stressed Concrete Structures
3	20CIV83A	Internship
4	20CIV84A	Project Work phase-II

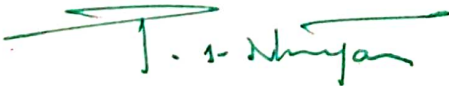
**Name and Signatures of all the Attendees:**

Sl. No.	Name	Signature	Sl. No.	Name	Signature
1	Dr. Niranjana P S		10	Dr. Geetha Varma V	
2	Dr. Manjunatha		11	Dr. N.Mahesh	
3	Dr. R J Anandhi		12	Dr. Vinay Kumar B M	
4	Dr. K N Vishwanath		13	Dr. Natchimuthu Subramani	
5	Dr. Devatha Chella Purushothaman		14	Mr. Sandeep T D	
6	Dr. Radha Krishna		15	Mr. N VijayaBhaskar	
7	Dr. P Prasanna Kumar		16	Mr. Siddarth Hegde	
8	Dr. Jagadeesh C B		17	Mr. Binod Kumar Singh	
9	Prof. Surendra B V		18	Mr. Channabasava	

**AGENDA -9**

**Vote of Thanks by the chairman of BOS**

The chairman of BOS thanked the external members for their fruitful participation on behalf of the Principal and the Management. He also thanked Dr. Manjunatha, Principal and Dr. R J Anandhi, Prof & Dean-Academics and all the other members of the BOS for their active participation.



**Dr. Niranjana P S**

**Chairman**

**Board of Studies**

**Department of Civil Engineering**