



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

6th BOARD OF STUDIES MEETING

Minutes of Meeting

ACADEMIC YEAR 2020-21

DATE : 25.06.2020
VENUE : DEPARTMENT OF CIVIL ENGINEERING
TIME : 10.30 AM

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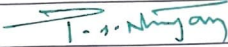
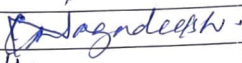

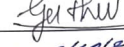


AGENDA FOR THE MEETING

- 1. Welcome address by the chairman of BOS**
- 2. Approval of Syllabus & Scheme of Third year Civil Engineering Subjects**
- 3. Approval of Scheme of Final year Civil Engineering Subjects**

LIST OF MEMBERS

Sl. No	Category	Nomination of the committee	Name of the person	Email ID & Mobile No
1	Head of the Department	Chairperson	Dr. Niranjana P S	niranjans@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. GeethaVarma	geethavv@newhorizonindia.edu 9739293202
		4	Dr. N. Mahesha	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. Radha Krishna , Professor & HOD, RVCE Bengaluru	radhakrishna@rvce.edu.in 9886127398
		2	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. Mahesh T Environmental officer & Technical advisor KSPCB, Govt of Karnataka	maht722002@gmail.com 9449046356
		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. Shantayya. H Secon Limited	hshantayya@gmail.com 9686000956
7	Co-opted members	Member		
		1	Mr. Binod Kumar Singh TPO, NHCE	placementofficer@newhorizonindia.edu 9663928931
		2	Ms. Suma Parlada	sumap@newhorizonindia.edu 9739896664

LIST OF MEMBERS PRESENT

Sl. No	Category	Nomination of the committee	Name of the person	Signature
1	Head of the Department	Chairperson	Dr. Niranjan P S	
2	Faculty member at different level with different specialization	Member		
		1	Dr. Jagadeesh C B	
		2	Prof. Surendra B V	
		3	Dr. Geetha Varma	
		4	Dr. N. Mahesha	
		5	Dr. Vinay Kumar B M	
3	Subject expert from outside the college nominated by Academic Council	Member		
		1	Dr. Radha Krishna , Professor & HOD, RVCE Bengaluru	Present
		2	Dr. P. Prasanna Kumar, Professor & HOD, BMSE, Bengaluru	Present
4	Experts from outside the college nominated by Vice Chancellor	Member		
		1	Dr. K N Vishwanath Professor & HOD, DSATM, Bengaluru	Present
5	Representative from Industry / Corporate sector / allied area related to placements, nominated by Academic Council	Member		
		1	Mr. Mahesh T Environmental officer & Technical advisor KSPCB, Govt of Karnataka	Present
6	Post Graduate meritorious alumni nominated by Principal	Member		
		1	Mr. Shantayya. H Secon Limited	Present
7	Co-opted members	Member		
		1	Mr. Binod Kumar Singh TPO, NHCE	Present
		2	Ms. Suma Parlada	Present

MINUTES OF THE MEETING

The 6th Board of Studies meeting for Department of Civil engineering was scheduled on 25.06.2020 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 6th Board of studies meeting held at C 222, smart class room via online platform.

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

The chairperson also expressed his gratitude to **industrial nominees, Mr. Mahesh T, KSPCB, Govt of Karnataka, Mr. N. VijayaBhaskar, DSR Waterscape. Bangalore.**

The meeting was also facilitated with the presence of Post Graduate meritorious alumni nominated by Principal **Mr. Shantayya. H**, Secon Limited , Co-opted members **Mr. Binod Kumar Singh**, TPO, NHCE, **Ms. Suma Parlada**, NHCE and Internal faculty member **Dr. Jagadeesh C B**, **Prof. Surendra B V**, **Dr. Geetha Varma**, **Dr. N. Mahesha**, **Dr. Vinay Kumar B M** & **Dr. Natchimuthu Subramani** with different specializations.

The chairperson illustrated the board that the department teams have been working on revision of curriculum based on the industrial uprising and academia suggestions.

The members considered the revised curriculum and discussed different issues.

The following agenda were taken up and the Board decided/ recommended as listed:-

AGENDA -1

TITLE	➤ <i>Approval of Syllabus & Scheme of Third year Civil Engineering Subjects</i>
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- ✓ The Chairperson presented the scheme and Contents of syllabus in each subject for fifth and sixth semester, details were scrutinized by the members of the Board.

❖ **Fifth semester Civil Engineering Subjects :-**

SL NO	SUBJECT CODE	SUBJECT
1	20CIV51	Hydrology & Irrigation Engineering
2	20CIV52	Design of RCC Structural Elements
3	20CIV53	Analysis of Indeterminate Structures
4	20CIV54	Basics of Geotechnical Engineering
5	20CIV55	Highway Engineering
6	20CIV56*	Professional Elective-I
7	20CIV57	Concrete Technology Lab
8	20CIV58	Basics of Geotechnical Engineering Lab
9	20CIV59	Mini Project - II
Professional Elective - I		
1	20CIV561	Advance Surveying
2	20CIV562	Pavement Materials & Construction
3	20CIV563	Open Channel Hydraulics
4	20CIV564	Advance Concrete Technology

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

SL NO	SUBJECT CODE	SUBJECT
1	20CIV61	Environmental Engineering
2	20CIV62	Design and Detailing of RC Structural Element
3	20CIV63	Applied Geotechnical Engineering
4	20CIV64*	Professional Elective-II
5	20CIV65*	Professional Elective-III
6	NHOPXX	Open Elective-I
7	20CIV66	Environmental Engineering-Lab
8	20CIV67	Mini project - III
9	20CIV68	Mini project - IV
Professional Elective - II		
1	20CIV641	Traffic Engineering
2	20CIV642	Alternative Building Materials & Technology
3	20CIV643	Ground Improvement Techniques
4	20CIV644	Mechanization in Construction
Professional Elective - III		
1	20CIV651	Structural Dynamics
2	20CIV652	Prefabricated structures
3	20CIV653	Design of Pre stressed Concrete Structures
4	20CIV654	Urban Transport Planning
OPEN ELECTIVE - I		
1	NHOP01	Big Data Analytics using HP Vertica-1
2	NHOP02	VM Ware Virtualization Essentials-1
3	NHOP04	Big Data Analytics using HP Vertica-2
4	NHOP05	VM Ware Virtualization Essentials-2
5	NHOP07	SAP
6	NHOP08	Schneider-Industrial Automation
7	NHOP09	CISCO-Routing and Switching-1
8	NHOP10	Data Analytics
9	NHOP11	Machine learning
10	NHOP12	CISCO-Routing and switching - 2
11	NHOP13	IIOT – Embedded System
12	NHOP14	Block Chain
13	NHOP15	Product Life Cycle Management
14	NHOP16	CISCO-Routing and switching - 3

RECOMMENDATIONS OF THE BOARD

- ✓ Board suggested incorporating rubrics for assessment to be reflected in each course.
- ✓ It is also advised to list minimum of three standard text books as reference for each course.
- ✓ Board recommended for reducing the content in module 4 of Analysis of Indeterminate structures (20CIV 53), for effective covering of course, if required after discussing with faculty members.
- ✓ Members of the board advised to incorporate the latest edition of books and IS codes for reference.
- ✓ Board also recommended using self study tools, for the important topics beyond the syllabus coverage to have better idea about the courses.
- ✓ Members recommend adding topics related to accident study in the course Traffic Engineering (**20CIV641**).
- ✓ Members discussed in specific about the advanced equipment to be used in Extensive survey projects.
- ✓ External members expressed their appreciation for the effects made by department to promote mini projects to enrich academic activities.
- ✓ Suggestions and opinions from the members were viewed and arrived to final conclusions with modifications.
- ✓ After incorporating relevant changes, syllabus content for each subject has been ratified and approved by the Board of Studies members.

AGENDA -2

TITLE

❖ Approval of Scheme of Final year Civil Engineering Subjects

- ✓ The Chairperson presented the scheme and Contents of syllabus in each subject for seventh and eighth semester, details were scrutinized by the members of the Board.

❖ Seventh semester Civil Engineering Subjects :-

SL NO	SUBJECT CODE	SUBJECT
1	21CIV71	Construction Management & Engineering Economics
2	21CIV72	Design and drawing of Steel structural elements
3	21CIV73	Estimation & Valuation
4	21CIV74*	Professional Elective-IV
5	21CIV75*	Professional Elective-V
6	NHOPXX	Open Elective-II
7	21CIV75	Drawing of Steel structural elements
8	21CIV76	Highway Materials Lab
9	21CIV77	Project phase-I
Professional Elective - IV		
1	21CIV741	Matrix Method of Structural Analysis
2	21CIV742	Design of Masonry Structures
3	21CIV743	Solid Waste Management
4	21CIV744	Design & Drawing of Hydraulic Structures
5	21CIV745	Transportation systems
Professional Elective - V		
1	21CIV751	Retrofitting and Rehabilitation of structures
2	21CIV752	Construction Quality and Safety
3	21CIV753	Theory of Elasticity
4	21CIV754	Water Resources Engineering
5	21CIV755	Recycling of Waste water
OPEN ELECTIVE - II		

1	NHOP01	Big Data Analytics using HP Vertica-1
2	NHOP02	VM Ware Virtualization Essentials-1
3	NHOP04	Big Data Analytics using HP Vertica-2
4	NHOP05	VM Ware Virtualization Essentials-2
5	NHOP07	SAP
6	NHOP08	Schneider-Industrial Automation
7	NHOP09	CISCO-Routing and Switching-1
8	NHOP10	Data Analytics
9	NHOP11	Machine learning
10	NHOP12	CISCO-Routing and switching - 2
11	NHOP13	IIOT – Embedded System
12	NHOP14	Block Chain
13	NHOP15	Product Life Cycle Management
14	NHOP16	CISCO-Routing and switching - 3

Eighth Semester Civil Engineering Subjects :-

SL NO	SUBJECT CODE	SUBJECT
	21CIV81*	Professional Elective-V
2	21CIV82*	Professional Elective-VI
3	21CIV83	Internship
4	21CIV84	Project Work phase-II
Professional Elective-VI		
1	21CIV821	Industrial waste water treatment
2	21CIV822	Numerical Method of Civil Engineering
3	21CIV823	Earth and Earth Retaining Structures
4	21CIV824	Bridge Engineering
5	21CIV825	Air pollution
Professional Elective-VII		
1	21CIV831	Pavement Design
2	21CIV832	Rural water Supply & Sanitation
3	21CIV833	Advanced R.C Structures
4	21CIV834	Ground Water Hydrology
5	21CIV835	Advanced Pre-stressed Concrete Structures

RECOMMENDATIONS OF THE BOARD

Scheme and content of syllabus for Final year Civil Engineering Subjects were briefly reviewed.

- ✓ Members of the board also suggested to list out the evaluation stagey for internship.
- ✓ Board recommend to monitor the performance of the students during project Phase I.
- ✓ External members expressed their gratitude for updating advanced elements in the coursed related to final year civil engineering.
- ✓ Opinions and suggestions were considered before finalizing the scheme.
- ✓ The scheme was approved unanimously by all the members.

Name and Signatures of all the Attendees:

Sl. No.	Name	Signature	Sl. No.	Name	Signature
1	Dr. Niranjana P S		9	Dr. Vinay Kumar B M	
2	Dr. K N Vishwanath		10	Dr. Natchimuthu Subramani	
3	Dr. Radha Krishna		11	Mr. Mahesh T	
4	Dr. P Prasanna Kumar		12	Mr. N VijayaBhaskar	
5	Dr. Jagadeesh C B		13	Mr. Shantayya. H	
6	Prof. Surendra B V		14	Mr. Binod Kumar Singh	
7	Dr. GeethaVarma		15	Ms. Suma P	
8	Dr. N.Mahesh				

The meeting ended with the vote of thanks from the chairperson for the members of the board.

Chairperson

Board of Studies

Department of Civil Engineering