



**NEW HORIZON  
COLLEGE OF ENGINEERING**

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC  
Accredited by NAAC with 'A' Grade, Accredited by NBA

**Department of Basic Sciences and Humanities  
(Mathematics)**

**BS-PG (Mathematics) BOARD OF STUDIES MEETING  
(Online: Google Meet)**

**DATE:** 24<sup>th</sup> June 2020.

**VENUE:** Department of Mathematics (BSH), CS Block, NHCE.

**TIME:** 2 pm onwards

## CONTENTS

Sl. No.	PARTICULARS	Page Nos.
1.	Agenda	3
2.	Members of the Board of Studies	4-5
3.	Welcome address by Chairman of BOS and Introduction of members	6
4.	Title of the agenda and minutes	7
5.	Minutes of the meeting.	8
6.	Recommendations of the Board	9
7.	Name and Signatures of all the board members	10
8.	Vote of thanks by Chairman of BOS	11

# NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF BASIC SCIENCES AND HUMANITIES  
(Mathematics)

BS-PG (Mathematics) BOARD OF STUDIES MEETING  
(Online: Google Meet)

- **Agenda 1:** Introduction to I Semester MCA-COMPUTATIONAL MATHEMATICS and I Semester M.Tech. (Machine Design) –ADVANCED MATHEMATICS
- **Agenda 2:** Discussion on syllabus for
  1. COMPUTATIONAL MATHEMATICS
  2. ADVANCED MATHEMATICS

(Including discussion on course outcomes, RBT levels, Programme outcomes, Text books and Reference books).

- **Agenda 3:** Syllabus finalization and approval
- **Agenda 4:** Discussion on CIE and SEE

**DATE:** 24<sup>th</sup> June 2020

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES  
(Mathematics)

BS-PG (Mathematics) BOARD OF STUDIES MEETING  
(Online: Google Meet)

## MEMBERS OF THE BOARD OF STUDIES

Sl. No.	Category	Nomination of the committee	Name of the person
1	Head of the Department	Chairperson	<b>Dr. Srinivasa G.,</b> Professor and HOD
2	Faculty member at different level with different specialization	Member	
		1	<b>Dr. Vijilus Helana Raj,</b> Professor and COE, NHCE.
		2	<b>Dr. J. Kavitha,</b> Associate Professor, NHCE.
3	Subject expert from outside the college nominated by Academic Council	Member	
		1	<b>Dr. N. L. Ramesh</b> Professor and Head, Department of Mathematics, M. S. Ramaiah Institute of Technology, Bengaluru-54.
4	Experts from outside the college nominated by Vice Chancellor	Member	
		1	<b>Dr. S. Manjunath,</b> Professor and Head, Department of Mathematics, BNMIT, Bengaluru-70.
5	Representative from Industry / Corporate sector / allied area related to placements, nominated by Academic Council	Member	
		1	<b>Dr. Sandeep Kumar,</b> Professor, Raman Research Institute, Bengaluru.
6	Post Graduate meritorious alumni nominated by Principal	Member	
		1	<b>Mr. Nithin P. V.,</b> MEE 2012-16 Batch Graduate Student, University of North Carolina, Charlotte, USA
7	Co-opted members	1	<b>Mr. Chitirala Subrahmanyam,</b> Senior Assistant Professor, NHCE.

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		2	<b>Dr. J. Kavitha,</b> Associate Professor, NHCE.
3	Subject expert from outside the college nominated by Academic Council	Member	
		1	<b>Dr. N. L. Ramesh</b> Professor and Head, Department of Mathematics, M. S. Ramaiah Institute of Technology, Bengaluru-54.
4	Experts from outside the college nominated by Vice Chancellor	Member	
		1	<b>Dr. S. Manjunath,</b> Professor and Head, Department of Mathematics, BNMIT, Bengaluru-70.
5	Representative from Industry / Corporate sector / allied area related to placements, nominated by Academic Council	Member	
		1	<b>Dr. Sandeep Kumar,</b> Professor, Raman Research Institute, Bengaluru.
6	Post Graduate meritorious alumni nominated by Principal	Member	
		1	<b>Mr. Nithin P. V.,</b> MEE 2012-16 Batch Graduate Student, University of North Carolina, Charlotte, USA
7	Co-opted members	1	<b>Mr. Chitirala Subrahmanyam,</b> Senior Assistant Professor, NHCE.

## MEMBERS PRESENT

S. NO.	NAME	DESIGNATION AND AFFILIATION	PHONE NO.	SIGNATURE
1.	Dr. Srinivasa G.	Professor and HOD-Mathematics, NHCE	7447817583	
2.	Dr. Vijillus Helena Raj.	Professor & CDE, Mathematics, NHCE	9448969034	
3.	Dr. Kavitha J.	Associate Professor, Mathematics, NHCE	9449150181	J. Kavitha
4.	Dr. N. L. Ramesh	Professor and Head, Department of Mathematics, M. S. Ramaiah Institute of Technology, Bengaluru-54.	9448351604	
5.	Dr. S. Manjunath	Professor and Head, Department of Mathematics, BNMIT, Bengaluru-70.	9815420712	
6.	Dr. Sandeep Kumar	Professor, Raman Research Institute, Bengaluru.		
7.	Mr. Nithin P. V.	MEE 2012-16 Batch Graduate Student, University of North Carolina, Charlotte, USA		
8.	Mr. G. Subrahmanyam	Senior Assistant Professor, NHCE.	8050429329	G. Subrahmanyam

## **WELCOME ADDRESS BY THE CHAIRMAN OF THE BOS AND INTRODUCTION OF MEMBERS**

### **Minutes:**

Dr. Srinivasa G., HOD, Department of Mathematics, Chairman BOS Mathematics warmly welcomed all the internal and external members of BS Board. While expressing the purpose and significance of the meeting in his address, he greeted the members on behalf of NHCE.

# **NEW HORIZON COLLEGE OF ENGINEERING**

**DEPARTMENT OF BASIC SCIENCES AND HUMANITIES  
(Mathematics)**

**BS-PG (Mathematics) BOARD OF STUDIES MEETING  
(Online: Google Meet)**

## **TITLE OF AGENDA:**

Discussion and Scrutinization of I Semester MCA-COMPUTATIONAL MATHEMATICS  
and I Semester M.Tech (Machine Design) –ADVANCED MATHEMATICS

## **Minutes:**

Welcome and Introduction session of members was followed by introducing the Scheme and Syllabus of I Semester MCA-COMPUTATIONAL MATHEMATICS and I Semester M.Tech. (Machine Design) –ADVANCED MATHEMATICS for the academic year 2020-21 under PG program.



## Minutes of Meeting Mathematics

- **Agenda 3:** Syllabus finalization and approval

The following suggestions were given by BOS-Mathematics members in the proposed 2020-2021, Computational Mathematics in first semester MCA and Advanced Mathematics in first semester M.Tech. (Machine Design).

### 1. Computational Mathematics in first semester MCA:

#### Module 1:

**Added Computational Linear Algebra:** System of Linear equations, Gauss elimination and this deleted in Module 3.

#### Module 2:

**Added Vector and Vector Calculus:** Divergence, Curl and line integrals and this deleted in Module 1.

Specified Variable Separable and Homogeneous methods in First-Order ODEs and  $f(D)y = e^{ax}$  in Higher-Order ODEs.

#### Module 3:

Added Solution of system of non-linear equations by Newton-Raphson method.

#### Module 4:

NO changes

#### Module 5:

NO changes

## **2. Advanced Mathematics in first semester M.Tech. (Machine Design)**

### **Module 1:**

NO changes

### **Module 2:**

NO changes

### **Module 3:**

NO changes

### **Module 4:**

NO changes

### **Module 5:**

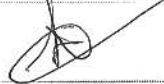

**Module title changed to Laplace transform Method and deleted and cylindrical polar coordinates.**

The proposed syllabus with little modifications was accepted and approved by all the board members.

- **Agenda 4:** Discussion on CIE and SEE

The assessment pattern of CIE and SEE mentioned in the proposed syllabus was accepted and approved by the board.

Name and Signature of all attendees

S. NO.	NAME	SIGNATURE
1.	Dr. Srinivasa G.	
2.	Dr. Vijiilins Helena Raj,	
3.	Dr. Kavitha J.	J. Kavitha
4.	Dr. N. L. Ramesh	
5.	Dr. S. Manjunath	
6.	Dr. Sandeep Kumar	
7.	Mr. Nithin P. V.	
8.	Mr. Ch. Subrahmanyam	

## **VOTE OF THANKS BY THE CHAIRMAN-BOS**

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Chairman BOS-Mathematics, Dr. Srinivasa G. took the lead in acknowledging the presence of each of the members. He thanked all external members and faculty members under BOS-BS.

He applauded their valuable inputs in deliberation in the online meeting and appreciated their contribution of worthy suggestions.