



# **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 Applied Sciences**

### **Mathematics-BOARD OF STUDIES MEETING**

**DATE:** 9th September 2023

**VENUE:** VMWARE IT ACADEMY, C 514, CS Block, NHCE.

**TIME:** 9.30 am onwards

Chairman - BOS - Mathematics  
New Horizon College of Engineering(Autonomous)  
Bangalore - 560103

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# **NEW HORIZON COLLEGE OF ENGINEERING**

## **DEPARTMENT OF APPLIED SCIENCES**

### **Mathematics-BOARD OF STUDIES (BoS) MEETING**

- **Agenda 1:** Discussion on syllabus for
  1. **MATHEMATICAL FOUNDATION FOR COMPUTING SCIENCES**  
(IT Stream-AIM, CEE, CSE (DS), CSE & ISE)
  2. **DISCRETE MATHEMATICS AND GRAPH THEORY**  
(IT Stream-AIM, CEE, CSE (DS), CSE & ISE)
  3. **NUMERICAL METHODS AND TRANSFORMS** (Non IT Stream-ECE, EEE & MEE)
  4. **COMPLEX ANALYSIS AND PROBABILITY** (Non IT Stream-ECE, EEE & MEE)
  5. **BASIC APPLIED MATHEMATICS-I** (Common for all Streams)
  6. **BASIC APPLIED MATHEMATICS-II** (Common for all Streams)  
(Including discussion on Course Outcomes, RBT levels, Programme Outcomes and Reference Books).
- **Agenda 2:** Syllabus finalization and approval
- **Agenda 3:** Discussion on CIE and SEE

**DATE:** 9<sup>th</sup> September 2023

**VENUE:** VMWARE IT ACADEMY, C 514, CS Block, NHCE.

**TIME:** 9.30 am Onwards

**MODE:** Offline and Online

# NEW HORIZON COLLEGE OF ENGINEERING

## DEPARTMENT OF APPLIED SCIENCES

### Mathematics-BOARD OF STUDIES MEETING

#### MEMBERS OF THE BOARD OF STUDIES

Sl No.	Category	Nomination of the Committee	Name of the Person
1	Head of the Dept.- Mathematics	Chair Person	Dr.Srinivasa G, Professor and HOD, NHCE
2	Faculty Members at different level veering different specializations	1	Dr. Ananda K., Senior Assistant Professor, Department of Mathematics, NHCE.
		2	Dr. Padma Priya D. D., Senior Assistant Professor, Department of Mathematics, NHCE.
3	Subjects Experts from outside the College nominated by Academic Council	1	Dr. Dinesh P. A., Professor, Department of Mathematics, Ramaiah Institute of Technology, Bengaluru-54
		2	Dr. G. Jayalatha Professor and Head-Department of Mathematics, R V College of Engineering, R V Vidyanikethana Post, 8 <sup>th</sup> Mile, Mysore Road, Bengaluru – 560059.
4	Expert from outside college, nominated by Vice-Chancellor	Member	Dr. S. Manjunath Professor and COE, R V University, R V Vidyanikethana Post, 8 <sup>th</sup> Mile, Mysore Road, Bengaluru – 560059.
5	Representative from Industry/corporate sector/ allied area relating to placement nominated by Academic Council	Member	Mr. Sandeep Lugani Practice Head-Next Gen Enterprise Operations, WIPRO Ltd., Bengaluru.
6	Meritorious alumnus nominated by Principal	Member	Mr. Prajwal T. J., INH16EC076, ECE 2016-2020 Batch Graduate Student, Asics Corporation, Tokyo, Japan.
7	Co-opted member		Ms. Rashi Khubnani Senior Assistant Professor, Department of Mathematics, New Horizon College of Engineering, Bengaluru-560103.
8	Special Invitee		Dr. Manjunatha, Principal, NHCE.
9.	Special Invitee		Dr. R J Anandhi, Dean-Academics, NHCE.

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

### **Minutes:**

Dr. Srinivasa G, HOD, Dept. of Mathematics, Chairman BOS-Mathematics warmly welcomed all the internal and external members of Mathematics Board. While expressing the purpose and significance of the meeting in their address, they introduced Dr. Manjunatha, Principal, New Horizon College of Engineering, Dr. R J Anandhi, Dean-Academics to all members. The meeting was conducted both offline and online platforms. The invited members both from academic and industry, alumini were also introduced to the Board members.

Chairman BOS-Mathematics gave a brief introduction on leadership at NHEI and NHCE; and presented the dynamics of Applied Sciences through its Vision, Mission and Goals.

# **NEW HORIZON COLLEGE OF ENGINEERING**

## **DEPARTMENT OF APPLIED SCIENCES**

### **Mathematics - BOARD OF STUDIES MEETING**

#### **TITLE OF AGENDA:**

Discussion and Scrutinization of II year BE Mathematics syllabus 2023-24.

#### **Minutes:**

Welcome and Introduction session of members was followed by introducing the Scheme of III & IV Semesters BE Mathematics.

Thereafter, the meet was opened individually for discussing the syllabus for the academic year 2023-24 under Mathematics Courses (for BE III & IV Semesters, IT and Non IT Streams).


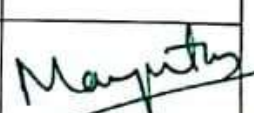
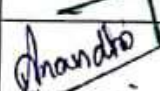



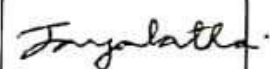
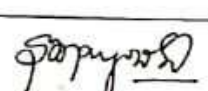
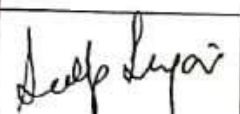


## Minutes of Meeting Mathematics

### Agenda: Syllabus finalization and approval.

The following suggestions were given by BOS – Mathematics members, based on the changes done in the VTU Engineering Mathematics, in the proposed year 2023-24, MATHEMATICAL FOUNDATION FOR COMPUTING SCIENCES (IT Stream-AIM, CEE, CSE (DS), CSE & ISE), DISCRETE MATHEMATICS AND GRAPH THEORY (IT Stream-AIM, CEE, CSE (DS), CSE & ISE), NUMERICAL METHODS AND TRANSFORMS (Non IT Stream-ECE, EEE & MEE), COMPLEX ANALYSIS AND PROBABILITY (Non IT Stream-ECE, EEE & MEE), BASIC APPLIED MATHEMATICS-I (Common for all Streams) and BASIC APPLIED MATHEMATICS-II (Common for all Streams).

1. **MATHEMATICAL FOUNDATION FOR COMPUTING SCIENCES (IT Stream-AIM, CEE, CSE(DS), CSE & ISE):**  
In proposed syllabus asked to mention the concept in Module 3. include Orthogonal and orthonormal bases.
2. **DISCRETE MATHEMATICS AND GRAPH THEORY (IT Stream-AIM, CEE, CSE (DS), CSE & ISE):**  
In proposed syllabus asked to mention the concept in Module 5. specify Kruskal's algorithm.
3. **NUMERICAL METHODS AND TRANSFORMS (Non IT Stream-ECE, EEE & MEE):**  
In proposed syllabus asked to remove Regula-Falsi method from Module 1 and in Module 2 include Trapezoidal Rule in place of Simpson's 3/8 and Weddle's rule.
4. **COMPLEX ANALYSIS AND PROBABILITY (Non IT Stream-ECE, EEE & MEE):**  
In proposed syllabus, asked to change the title of the course as Numerical, Complex Analysis and Probability Theory, Also name Module 4 as Probability Theory by removing the concept moment generating function and including Joint Probability Distribution. In Module 5. include the name Chi-square Test of goodness of fit.
5. **BASIC APPLIED MATHEMATICS-I (Common for all Streams):**  
No changes, proposed syllabus retained.
6. **BASIC APPLIED MATHEMATICS-II (Common for all Streams):**  
No changes, proposed syllabus retained.

## MEMBERS PRESENT

SL.NO.	NAME	DESIGNATION AND AFFILIATION	PHONE NO.	SIGNATURE
01	Dr. Srinivasa G	Professor and Head, Department of Mathematics, New Horizon College of Engineering Bengaluru-560103	9449817583	
02	Dr. Manjunatha	Principal, NHCE	9901916000	
03	Dr. R.J.Anandhi	Dean – Academics NHCE	9845705705	
04	Dr. Ananda K.,	Senior Assistant Professor, Department of Mathematics, New Horizon College of Engineering, Bengaluru-560103.	9945373291	
05	Dr. Padma Priya D. D.,	Senior Assistant Professor, Department of Mathematics, New Horizon College of Engineering, Bengaluru-560103.	9449271414	
06	Dr. Dinesh P. A.	Professor, Department of Mathematics, Ramaiah Institute of Technology, Bengaluru-54	9845483563	
07	Dr. G. Jayalatha	Professor and Head- Department of Mathematics, R V College of Engineering, R V Vidyanikethana Post, 8 <sup>th</sup> Mile, Mysore Road, Bengaluru – 560059.	9880693238	
08	Dr. S Manjunath	Professor and Head – Mathematics and COE, BNMIT, BSK II Stage Bengaluru-560070	9845420712	
09	Mr. Sandeep Lugani	Practice Head-Next Gen Enterprise Operations, WIPRO Ltd., Bengaluru.	9810040819	
10	Ms. Rashi Khubnani	Senior Assistant Professor, Department of Mathematics, New Horizon College of Engineering, Bengaluru-560103.	9980619825	
11	Mr. Prajwal T. J.	ECE 2016-2020 Batch Graduate Student, Asics Corporation, Tokyo, Japan.	8792898505	




## VOTE OF THANKS BY THE CHAIRMAN-BOS

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Chairman BOS-Mathematics Dr. Srinivasa G acknowledged the presence of each of the members. He thanked all members from academic and industry and faculty members under BOS for their useful suggestions and active participation in the BOS meeting in spite of their busy schedule.

The presence of alumini member Mr. Prajwal T. J., (2016-2020 Batch,' Electronics and Communication Engineering Student) was greatly acknowledged for his insightful inputs by the Chairman BOS.

Chairman BOS-Mathematics applauded the valuable inputs in deliberation in the meeting and appreciated their contribution of worthy suggestions.



Chairman - BOS - Mathematics  
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Bangalore - 560103