




# NEW HORIZON COLLEGE OF ENGINEERING

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

## DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

### BOARD OF STUDIES MEETING

**DATE** : 4<sup>th</sup> Oct. 2023  
**VENUE** : Dept. of ISE, NHCE  
**TIME** : 11.00 am to 2.00pm

  
Anandhi  
Professor and Dean-Academics  
New Horizon College of Engineering  
Ring Road Bellandur Post  
Bengaluru - 560 103

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## **AGENDA FOR THE MEETING**

Agenda 1: BE - Scheme of semester V, VI, VII & VIII of Batch 2021-2025 – Discussion and Approval (NEP 160 Credits)

Agenda 2: Approval of syllabus for BE semester V and VI of Batch 2021-2025 (160 credits)

Agenda 3: BE - Scheme of semsester from III to VIII of Batch 2022-2026– Discussion and Approval (NEP 160 Credits)

Agenda 4: Approval of syllabus for BE semester III and IV of Batch 2022-2026 (160 credits)

Agenda 5: Discussion and Approval of Evaluation Metrics in CIE component

Agenda 6: Suggestions and Recommendations from Board Member

Agenda 7: Concluding Remarks

**LIST OF MEMBERS**

<b>Sl. No</b>	<b>Category</b>	<b>Nomination of the committee</b>	<b>Name of the person</b>	<b>Designation &amp; Affiliation</b>
1	<b>Head of the Department</b>	<b>Chairperson</b>	Dr. Vandana C P	Associate Professor & HOD, Dept. of ISE
2	<b>Special Invitees</b>	1	Dr. Manjunatha	Principal, NHCE
		2	Dr. R.J Anandhi	Professor and Dean - Academics, NHCE
		3	Dr. Swathi. B	HoD, Dept. of Data Science, NHCE
3	<b>Faculty member at different level with different specialization</b>	<b>Member</b>		
		1	Dr. K Saravanan	Professor, Dept. of ISE, NHCE, Bangalore
		2	Dr. Arvind Kapse	Professor, Dept. of ISE, NHCE, Bangalore
		3	Dr. Kalaivani D	Associate Professor, Dept. of ISE, NHCE, Bangalore
		4	Mrs. Divya K.V	Sr. Assistant Professor, Dept. of ISE, NHCE, Bangalore
		5	Mrs. TN Chitti	Sr. Assistant Professor, Dept. of ISE, NHCE, Bangalore
4	<b>Subject expert from outside the college nominated by Academic Council</b>	<b>Member</b>		
		1	Prof. Anandhi Giridharan Principal Research Scientist IISc, Bangalore.	Academic Technical Expert
		2	Dr. Natarajan S Professor and Key Resource Person, PES University,	

			Bengaluru	
5	<b>Experts from outside the college nominated by VTU</b>	<b>Member</b>		
		1	Dr Nalini, Professor, Dept. of CSE, Nitte Meenakshi Institute of Technology, Bengaluru	VTU Nominee
6	<b>Representative from Industry / Corporate sector / allied area related to placements, nominated by Academic Council</b>	<b>Member</b>		
		1	Mr. Prasad L.K Founder & Managing Director, Acceleron Labs Ltd., Bangalore.	Industry Technical Expert
		2	Mr. Satyam Jakkula Senior Program Manager- Supplier Management IBM, Bangalore	
7	<b>Post Graduate meritorious alumni nominated by Principal</b>	<b>Member</b>		
		1	Mr. Aditya Srivastava, Packaged App Development, Senior Analyst, Accenture, Bangalore	Alumini
		2	Mr. Mohamed Nafeel Advanced Software Engineer, Honey Well, Bengaluru	
		<b>Member</b>		
8	<b>Co-opted members</b>	1	Mr. Aniz Mirza, Head Placement & Corporate relations, NHCE, Bangalore	Placement
		2	Dr. Sivaramakrishnan, Associate Professor and R&D coordinator, ISE, NHCE	Academic and Research Expertise

		3	Ms. Shruthi, Assistant Professor and Placement Coordinator, Dept. of ISE, NHCE	
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## WELCOME ADDRESS BY THE CHAIRMAN OF BOS AND INTRODUCTION OF MEMBERS

### *Minutes*

The **BOARD OF STUDIES (2023 – 24)** meeting was held on 4<sup>th</sup> Oct. 2023 in hybrid mode using Google Meet with internal members, few external members (in person) and other external members joined online.

Dr. K. Saravanan, Professor in the Department of ISE welcomed the BOS Committee members. He presented the agenda of the Board of studies meeting to the members. He introduced the Internal and External BOS members. He started the discussion on the Scheme and syllabus of B.E semester V to VIII of Batch 2021-2025, and semester III to VIII of Batch 2022-2026 which was shared via email to all the board members earlier.

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### AGENDA - 1

#### TITLE

BE - Scheme for semester V, VI, VII & VIII of 2021-2025 Batch – Discussion and Approval (NEP 160 Credits)

### *Minutes*

1. Dr. K. Saravanan, professor, ISE presented the scheme of semester V, VI, VII and VIII of 2021-2025 batch.
  2. The panel was asked to explain the need of the course 'Innovation & Design Thinking' and it was explained.
  3. The panel has suggested to keep internship from semester III onwards. It was explained that based on NEP it is being followed as suggested.
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### AGENDA - 2

#### TITLE

Approval of BE syllabus for 5<sup>th</sup> and 6<sup>th</sup> semester of Batch 2021-2025 (160 credits)

### *Minutes*

1. Dr.K.Saravanan, professor, ISE presented the syllabus of semester V and VI of Batch 2021-2025.

2. After a detailed discussion on the syllabus the board members approved the syllabus of 5<sup>th</sup> and 6<sup>th</sup> semester, which incorporated the previous suggestions given by BOS.
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### **AGENDA - 3**

**TITLE**

BE - Scheme of semsester from III to VIII of Batch 2022-2026 – Discussion and Approval (NEP 160 Credits)

*Minutes*

1. Dr.K.Saravanan, professor, ISE presented the scheme of semester III to VIII of batch 2022-2026.
2. During the presentation the implementation of Non-credit Mandatory Courses (NCMC) such as National Service Scheme (NSS), Physical Education (PE) (Sports and Athletics) and Yoga were explained.
3. Also about the course under Universal Human Values Course (UHV) was explained.

### **AGENDA - 4**

**TITLE**

BE - syllabus of semsester from III and IV of 2022-2026 Batch – Discussion and Approval (NEP 160 Credits)

*Minutes*

1. Dr.K.Saravanan, professor, ISE presented the syllabus of semester III and IV of 2022-2026 batch.
  2. After a detailed discussion on the syllabus the board members approved the syllabus of 3<sup>rd</sup> and 4<sup>th</sup> semester.
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## **AGENDA - 5**

**TITLE**

Suggestions and Recommendations from Board Members

The suggestions from various BOS members are presented as following:

**Dr. Anandhi Giridharan , Academic Technical Expert**

1. Prof. Dr. Anandhi Giridharan recommended to include a module about 'Edge Computing' in the course 'Principles of Cloud Computing' in semester V of Batch 2021-25. The internal committee has decided to incorporate it in the upcoming batch syllabus.
2. She asked whether outreach programme is there in practice or not. Dr. Vandana, HoD, explained that the process is in practice with Activity point (100 points)
3. She also suggested to include the course 'Signal processing'. This suggestion will be implemented in upcoming scheme.

**Dr Natarajan S, Academic Technical Expert**

1. Prof. Dr Natarajan recommended to have 'Principles of Cyber Security' course as elective, instead of keeping it as a core subject. But the input from placement department requested to have it as a core subject.
2. The professor suggested to invite the technical experts from industry for atleast few of the topics of 'Innovation & Design thinking'. The suggested point will be followed in TLP.
3. He suggested to push 'Research Methodology' in the higher semesters. This suggestion will be followed from the upcoming batches onwards.
4. He suggested to change the name of the professional elective course 'Bio inspired Design and Innovation' into 'Bio-inspired computing' in sem. VI of Batch 2021-25. Since the course is to be provided commonly to all braches, this can be done in future.
5. He suggested that the course 'Computer Vision' could be named as 'Image processing and Computer vision' in sem. V of Batch 2022-26. It will be incorporated.

6. He also suggested that the faculty upgradation should be a continuous process and to balance between the theoretical and practical approaches.

**Mr. Prasad L.K, Industry Technical Expert**

1. Mr. Prasad appreciated the BOS process and mentioned that the scheme and syllabus of ISE department is in line with the industry requirements and standards.
2. He suggested to check whether the course 'Operations Research' is meant to be in electivelist in sem. V of Batch 2021-25. Later the BoS decided that it should be in elective list.
3. He suggested to add 'Computer storage' in syllabus and suggested that it can be a part of cloud computing course. It will be incorporated.
4. He suggested to change the name of the course 'Virtual Reality' into 'Virtual Reality & Augmented Reality' in semester VII of Batch 2021-25. It will be incorporated.
5. He also suggested to rename the course of 'Advanced Machine Learning' into 'Machine Learning' in sem. VI of Batch 2021-25. It will be incorporated.
6. He suggested to establish practical lab exclusively for cloud computing. This suggestion will be implemented during the upcoming batches onwards.

**Mr. Satyam Jakkula, Industry Technical Expert**

1. Mr. Satyam Jakkula suggested that faculties can have mentors from industry to further enhance the skills. He was explained that his suggestion is in-practise already.
2. He suggested to collaborate with IBM in organizing guest lectures. He was explained about the MoU which was signed recently with IBM.
3. BOS chairman updated that guest talks are being conducted by industry experts in all the courses (especially 5<sup>th</sup> module) to bridge the gap between academics and industry and to enrich students' knowledge with up-to-date technology trends.
4. BOS chairman explained the presence of strong industry institute interaction cell and 19 Center of Excellence (COE) in college. Also she explaine about ongoing program 'Train the Trainer' which is being conducted in COEs which enhances faculty skillset.
5. BOS chairman also highlighted that 'Life skill and lifelong learning' is a separate department in college which enhance the communication skill, soft skill and

personality development of students. Toastmaster collaborated activities are in place and students actively take part in it.

**Dr. Nalini, VTU Nominee**

1. Prof. Dr. Nalini appreciated that the scheme and syllabus is well framed
2. She suggested for integrated labs in the scheme.
3. She also suggested to incorporate Information retrieval systems, Full stack web development subjects in the curriculum . This suggestion will be followed from the upcoming batches onwards.

**Mr. Prashanth, Alumnus from 2012-2016 Batch**

1. Mr. Prasanth observed that too many subjects are loaded in the Semester V. But later it was considered that no theory courses in semester VIII, it is decided to keep as it is.
2. He suggested that in the semester VIII students should have one MBA Syllabus ('Income Tax' oriented clourse can be there which can also be a non-credit course). This suggestion will be followed from the upcoming batches onwards.
3. Communication skill course inclusion in scheme was appreciated.
4. BOS chairman shared the observation that lower semester students came up with very innovative ideas which got recognized in National level events.

**Mr. Mohamed Nafeel, Alumnus from 2012-2016 Batch**

1. Mr. Mohamed Nafeel suggested to incorportate some practical concepts in the course 'Natural Language Processing'.
2. Full stack course as profession elective can be doensized, as it is very elaborated.
3. He suggested that the Real – time operating system should be incorporated in 'Operating System' subject. It can be done in the upcoming batches onwards.

**Mr. Aniz Mirza, Placement Nominee**

1. Mr. Aniz updated that during internship period, department closely and constantly monitor the students so that they can be absorbed by companies.
2. College provides the orientation session before any placement drive highlighting the company polices, culture and basic etiquette to be followed.

3. Suggested that the mini project documentations can be shared with faculties via email so that email writing process comes inbuilt.
4. BOS chairman augmented that the suggestions provided will be considered and feasible solutions will be provided.

## AGENDA - 6

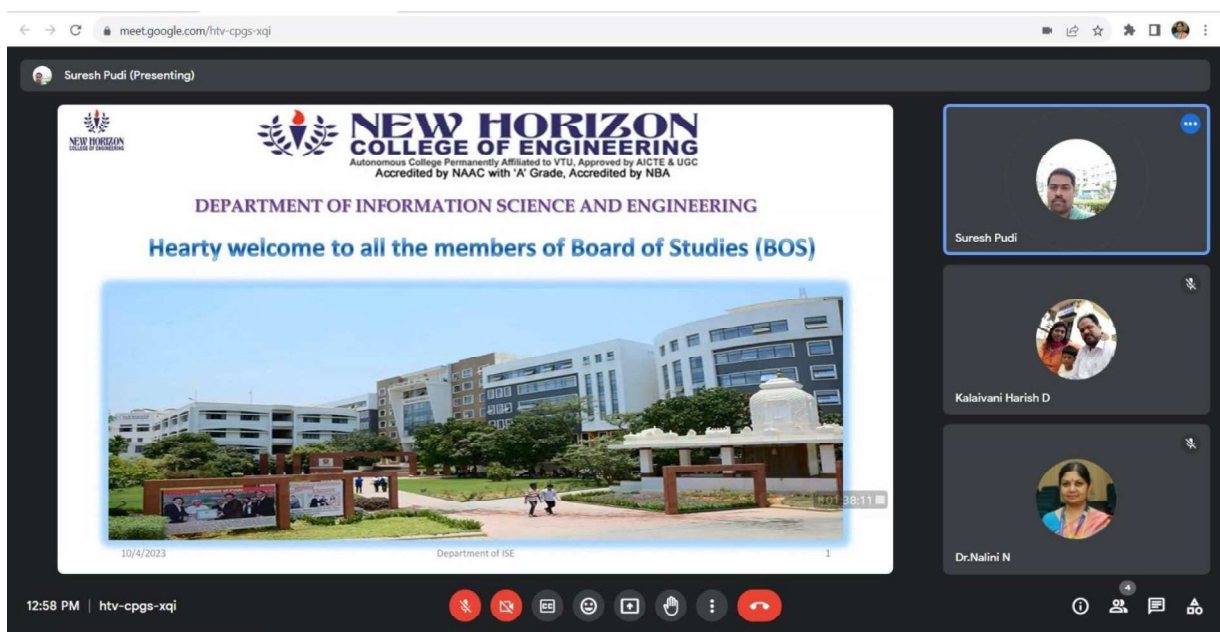
TITLE

Concluding Remarks

### *Minutes*

1. BOS chairperson expressed that the students are being given quality education as par with foreign universities.
2. Also she explained that the Industry readiness and technical excellence are being attained in trending technologies.
3. She enlightened that the students and faculty are trained to write proposals for funding agencies.

## SCREENSHOTS





Shot on OnePlus  
By Tej

10/4/23  
11:31 AM

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Suresh Pudi (Presenting)

Batch: 2022-26 Semester – IV AY. 2023-24

S. No.	Course and Course Code	Course Title	BoS	Credit Distribution				Credits	Hours	Marks		
				L	T	P	S			CIE	SEE	Total
1	BSC 22ISE41	Discrete Mathematics and Graph Theory	BS	3	0	0	0	3	3	50	50	100
2	PCC 22ISE42	Data Base Management Systems	IS	3	0	0	0	3	3	50	50	100
3	PCCL 22ISL42	Database Management Systems Lab	IS	0	0	1	0	1	2	50	50	100
4	PCC 22ISE43	Object Oriented Programming with Java	IS	3	0	0	0	3	3	50	50	100
5	PCCL 22ISL43	Object Oriented Programming with Java Lab	IS	0	0	1	0	1	2	50	50	100
6	PCC 22ISE44	Operating Systems	IS	3	0	0	0	3	3	50	50	100
7	PCCL 22ISL44	Operating Systems Lab	IS	0	0	1	0	1	2	50	50	100
8	ESC 22ISE45X	ESC/ETC/PLC	IS	2	0	1	0	3	3	50	50	100
9	AEC 22ISE46X	Ability Enhancement Course – IV	IS	0	0	1	0	1	2	50	50	100
10	22NSK47	National Service Scheme (NSS)	NSS coordinator									
	NCMC 22PEK47	Physical Education (PE) (Sports and Athletics)	Physical Education	0	0	0	0	0	2	50	--	50
	22YOK47	Yoga	Yoga Teacher									
11	UHV 22UHK48	Universal Human Values Course	Any Dept	1	0	0	0	1	2	50	--	50
12	PROJ 22ISE49	Mini Project	IS	0	0	1	0	1	0	50	50	100
<b>Total</b>								<b>21</b>	<b>26/27</b>	<b>600</b>	<b>500</b>	<b>1100</b>

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12:34 04-10-2023

Participants: Suresh Pudi, Kalaivani Harish D, Anandi Giridharan, Dr.Nalini N

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Suresh Pudi (Presenting)

Batch: 2022-26 Semester – VII AY. 2025-26

VII Semester												
S. No.	Course and Course Code	Course Title	BoS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			CIE	SEE	Total
1	PCC 22ISE71	Internet of Things	IS	3	0	0	0	3	3	50	50	100
2	PCCL 22ISL71	Internet of Things Lab	IS	0	0	1	0	1	2	50	50	100
3	PCC 22ISE72	Mobile Application Development	IS	3	0	0	0	3	3	50	50	100
4	PCCL 22ISL72	Mobile Application Development Lab	IS	0	0	1	0	1	2	50	50	100
5	PCC 22ISE73	Software Testing and Automation	IS	3	1	0	0	4	5	50	50	100
6	PEC 22ISE74X	Professional Elective Course-III	IS	3	0	0	0	3	3	50	50	100
7	PROJ 22ISE75	Project Phase - II	IS	0	0	6	0	6	0	50	50	100
8	OEC 22NHOP7XX	Industrial Open Elective Course-II	Offering Dept.	3	0	0	0	3	3	50	50	100
<b>Total</b>								24	21	400	400	800

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### VOTE OF THANKS BY THE CHAIRMAN-BOS

BOS Chairman delivered Vote of Thanks and appreciated each and every member of the board for their contribution and valuable suggestions provided.