

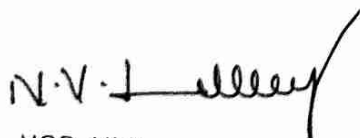
LIST OF MEMBERS- BOARD OF STUDIES

DEPARTMENT OF ARTICIAL INTELLIGENCE & MACHINE LEARNING

A.Y: 2023-24

S. No	Category	Nomination of the committee	Name of the person	Designation & Affiliation
1	Head of the Department	Chairperson	Dr. N V Uma Reddy	Professor & Head of the Department, Dept of AI & ML, NHCE hod_aiml@newhorizonindia.edu 9972047259
2	Special Invitees (one academician from Institution of National Eminence, IIT,NIT,IIM,IISC)	1	Dr. Manjunatha	Head of the Institution, New Horizon College of Engineering, principal@newhorizonindia.edu +91-80-662977 Extn: 5002
		2	Dr. R J Anandhi	Professor & Dean Academics, New Horizon College of Engineering, dean.academics@newhorizonindia.edu 91-80-66297777 Extn: 2026
		3	Dr. Shyam Lal	Assistant Professor, Department of Electronics & Communication Engineering, National Institute of Technology Karnataka (NITK), Surathkal , Mangalore -575025 , Karnataka , India.
3	Faculty member at different level with different specialization	Members		
		1	Dr. Rajalakshmi	Professor & Head of the Department, Dept of CSE, NHCE hod_cse@newhorizonindia.edu 9841711347
		2	Dr. Umamaheswaran	Associate Professor , NHCE dr.umamaheswaran.nhce@newhorizonindia.edu 9677726319
		3	Dr. Sreejith S	Associate Professor , NHCE dr.sreejiths.nhce@newhorizonindia.edu 8547919798
		4	Ms. Manisha Joshi	Sr. HR- Manager, NHCE cr@newhorizonindia.edu 990007804

Member			
4	Experts from outside the college nominated by VTU	1	Dr. Indiramma Professor, Dept of CSE, BMSCE Bangalore. Indira.cse@bmsce.ac.in 9663376002
5	Representative from Industry / Corporate sector / allied area related to placements, nominated by Academic Council	1	Mr. Prasad Chitta Practice Lead, machine Intelligence, BFSI Technology Advisory Group. TCS Prasad.chitta@tcs.com 9886789545
Members			
6	Co-opted members	1	Dr. Sowmya H K Sr. Assistant Professor, NHCE, Bangalore Sowmyahk.nhce@newhorizonindia.edu 9448060784
		2	Dr. Prianka RR Sr. Assistant Professor, NHCE, Bangalore dr.priankarr.nhce@newhorizonindia.edu 9176056014
		3	Ms. Shasikala K S Sr. Assistant Professor, NHCE, Bangalore shashikalaks.nhce@newhorizonindia.edu 9790849215
		4	Ms. Rajasree R S Sr. Assistant Professor, NHCE, Bangalore rajasreers.nhce@newhorizonindia.edu 7768008244
		5	Mr. Manjunatha H R Sr. Assistant Professor, NHCE, Bangalore manjunathahr_aiml_nhce@newhorizonindia.edu 8867158206



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DR. N.V. UMA REDDY

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Department of

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New Horizon College of Engineering

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DEAN ACADEMICS

Dr. R. V. Anandhi

Professor and Dean Academics

New Horizon College of Engineering

Ring Road Bellandur Post

Bengaluru 560 103



PRINCIPAL

DR. MANJUNATHA



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 ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ATTENDANCE SHEET

ACADEMIC YEAR 2023 -2024

LIST OF MEMBERS- BOARD OF STUDIES

DATE: 01 /09/ 2023

TIME - 10.30am tom 1.00pm

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1	Head of the Department	Chairperson	Dr. N V Uma Reddy	Professor & Head of the Department, Dept of AI & ML, NHCE hod_aiml@newhorizonindia.edu 9972047259	
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		Dean Academics	Dr. R J Anandhi	Professor & Dean Academics, New Horizon College of Engineering, dean.academics@newhorizonindia.edu 91-80-66297777 Extn: 2026	
		1	Dr. Shyam Lal	Assistant Professor, Department of Electronics & Communication Engineering, National Institute of Technology Karnataka (NITK), Surathkal, Mangalore -575025, Karnataka, India.	on-line
3	Faculty member at different level with different specialization	Members			
		1	Dr. Rajalakshmi	Professor & Head of the Department, Dept of CSE, NHCE hod_cse@newhorizonindia.edu 9841711347	 21 sep 23
		2	Dr. Umamaheswaran S	Associate Professor, NHCE dr.umamaheswaran.nhce@newhorizonindia.edu 9677726319	
3	Dr. Sreejith S	Associate Professor, NHCE dr.sreejiths.nhce@newhorizonindia.edu 8547919798			

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		1	Dr. Indiramma	Professor, Dept of CSE, BMSCE Bangalore. Indira.cse@bmsce.ac.in 9663376002
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6	Co-opted members	Members		
		1	Dr. Sowmya H K	Sr. Assistant Professor, NHCE, Bangalore Sowmyahk.nhce@newhorizonindia.edu 9448060784
		2	Dr.Prianka RR	Sr. Assistant Professor, NHCE, Bangalore dr.priankarr.nhce@newhorizonindia.edu 9176056014
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DEP

		<u>Members</u>			
7	Faculty member at different level with different specialization	1	Dr . Rajalakshmi	Professor & Head of the Department, Dept of CSE, NHCE <u>hod_cse@newhorizonindia.edu</u> 9841711347	<i>01. Sep 23</i>
		2	Dr. Mohan H S	Professor & Head of the Department, Dept of ISE, NHCE <u>hod_ise@newhorizonindia.edu</u>	<i>ell</i>
		3	Dr .S P Manikandan	Professor & Head of the Department, Dept of CE, NHCE <u>hod_ce@newhorizonindia.edu</u>	<i>S.P. Mani</i>
		4	Ms. Manisha Joshi	Sr. HR- Manager, NHCE <u>cr@newhorizonindia.edu</u> 990007804	<i>MS</i>



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Department of Artificial Intelligence and Machine Learning

3rd BOARD OF STUDIES MEETING

Minutes of the Meeting

Academic year 2023 -2024

DATE: 01 / 09 / 2023

VENUE: A006 Class room NSB Block, NHCE

MODE: Blended

TIME: 10 .30 am to 1 pm

CONTENTS

<u>Sl. No</u>	<u>PARTICULARS</u>	<u>Page No</u>
<u>1</u>	Agenda for the meeting	
<u>2</u>	List of Members	
<u>3</u>	List of members Present	
<u>4</u>	Welcome address by the chairman of BoS	
<u>5</u>	Presentation of the Department scheme & syllabus	
<u>6</u>	Proposed course details for the academic year 2023-2024	
<u>7</u>	Presentation of Syllabus of Final year in detail	
<u>8</u>	Recommendations / Suggestions of BOS members	
<u>9</u>	Implementation of recommendation of BOS members	
<u>10</u>	Approval of Scheme & Syllabus of Final year AI & ML Engineering Subjects	
<u>11</u>	Vote of Thanks by the BOS Chairman	
<u>12</u>	Annexure -A	

AGENDA FOR THE MEETING

1. Welcome address by the chairman BoS
2. Presentation of draft of Scheme from 3rd to 8th (Revised NEP 160 Credit Course),
Presentation draft of Scheme from 5th to 8th NEP 160 Credit Course and 7th and 8th
Semester (175 Credit Course)
3. Proposed course details for the academic year 2023-2024 (175)
4. Proposed course details for the academic year 2023-2024 (NEP)
5. Proposed course details for the academic year 2023-2024 (Revised NEP)
6. Presentation of Syllabus of Fourth Year (175 Credit Course) in detail
7. Presentation of Syllabus of Third Year (NEP Course 160) in detail
8. Presentation of Syllabus of Second Year (Revised NEP Course 175 Credit Course) in detail.
9. Recommendations / Suggestions of BOS members.
10. **Implementation of recommendation of BOS MEMBERS**
11. **Approval of scheme & Syllabus of Second Year / Third Year / Fourth Year AI & ML
Engineering Subjects**
12. **Vote of Thanks by the chairman of BOS**

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		5	Mr. Manjunatha H R	Sr. Assistant Professor, NHCE, Bangalore manjunathahr_aiml_nhce@newhorizonindia.edu 8867158206

AGENDA 1

Welcome Address by the Chairman of BoS

The 3rd Board of Studies meeting for Department of AI&ML was scheduled on 01.09.2023 at Subash Chandra Bose Block, Hall N: A006, NHCE.

At the outset, Chairperson Dr.N V Uma Reddy , Professor & Head- Department of AI & ML, welcomed the members for attending the 3rd Board of studies meeting held in Subash Chandra Bose Block, Hall No.006, NHCE as a blended mode.

The chair person introduced Dr. Manjuntha, Principal, NHCE and Dr.Anandhi R J Professor & Dean-Academics, NHCE to the members of Board of Studies and welcomed them for the ensuing proceedings.

The chairperson further expressed special thanks to, an expert Dr.Indiramma, nominated by VTU, Dr. Shyam Lal, expert from NITK, Surathkal, Karnataka, for sparing the time from their busy schedule to attend the meeting.

The chairperson also expressed his gratitude to industrial nominees, Mr. Prasad Chitta, Practice lead, Machine Learning, BFSI Technology advisory group, TCS, Bangalore.

The meeting was also attended by Co-opted members **Ms. Manisha Joshi**, Sr. HR- Manager, NHCE and NHCE Internal faculty members Dr.Rajalakshmi, Dr.Umamaheswaran S, Dr.Sreejith S, Dr.Sowmya HK, Dr.Prianka R R, Ms.Shasikala K S, Ms.Rajashree R S, Ms.Jimsha K Mathew.

AGENDA 2

Presentation by Chairman of Bos About Department Scheme and Syllabus

The chairman of BOS Dr. N V Uma Reddy, Professor & Head, Department of AI&ML, presented draft of Scheme (175 credits) from 3rd to 8th semester & Syllabus of 7th and 8th semester and presented draft od scheme(160 credit NEP) from 3rd to 8th semester & Syllabus of 5th and 6th semester then presented Scheme (160 Credit Revised NEP) from 3rd to 8th Semester & Syllabus of 3rd and 4th Semester in the current academic year 2023-2024.

AGENDA 3

Proposed course for the academic year 2023-2024(7th and 8th semester, 175 credit-2018 Scheme)

VII SEMESTER												
S. No	Course Code	Course	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			CIE	SEE	Total
1	20AIM71A	Cloud Computing	AI&ML	3	0	0	0	3	4	50	50	100
2	20AIM72A	Web Technology	AI&ML	3	0	0	0	3	4	50	50	100
3	20AIM73A	Natural Language processing	AI&ML	3	0	0	0	3	4	50	50	100
4	20AIM74X	Professional Elective - V	AI&ML	3	0	0	0	3	4	50	50	100
5	20AIM75X	Professional Elective - VI	AI&ML	3	0	0	0	3	4	50	50	100
6	20AIM76A	Cloud Computing Laboratory	AI&ML	3	0	0	0	2	4	25	25	50
7	20AIL77A	Web Technology Lab	AI&ML	0	0	2	0	2	4	25	25	50
8	20AIL78A	Project Phase - I	AI&ML	0	0	2	0	2	4	25	25	50
9	20NHOPX X	Open Elective - II	AI&ML	3	0	0	0	3	0	50	50	100
Total								24	32	375	375	750

VIII SEMESTER

S.No	Course Code	Course	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			CIE	SEE	Total
1	20AIM81A	Reinforcement learning	AI&ML	3	0	0	0	3	4	50	50	100
2	20AIM82A	Internship Viva	AI&ML	0	0	4	0	4	0	50	50	100
3	20AIM83A	Project Phase - II	AI&ML	0	0	12	0	12	0	100	100	200
Total								19	04	200	200	400

AGENDA 9

Recommendations/Suggestions of BOS members

The agenda was already circulated among the committee members and the following discussions were made based on the agenda.

Dr. Indramma, Professor, BMSCE, Bengaluru, Dr. Shyam Lal, Assistant Professor, Dept. of ECE, NITK, Surathkal and Mr. Prasad Chitta, Practice Lead, Machine Intelligence, BFSI, Technology Advisory Group, Bengaluru, Dr. R J Anandhi, Dean Academics, NHCE. The members appreciated the curriculum and syllabi.

175 Credit 2018 Scheme

- 20AIM71A Cloud Computing: suggested to include more than one textbook of recent year. Introduce Google Colab for the experiments of cloud computing.
- 20AIM72AA Web Technology: Suggestions were given to update the reference books.
- 20AIM73A Natural Language Processing: Add one module related to application/implementation of NLP. Also, tutorial classes with hands-on sessions can be incorporated.
- 20AIM743A Information Security Include year for the references book.
- 20AIM744A Human Computer Interaction: One tutorial class with lab exposure can be incorporated.
- Suggestion was given to convert all elective course to [L:2 T:1 P:0 P:0] credit distribution.
- It was suggested to push the eighth semester course to seventh semester or provide an option of MOOC course or give an option of online mode, so that students can dedicate their time for internship.
- Provide MOOC Course/ Online course as references in the syllabus.

160 Credit 2021 Scheme

- In Ability Enhancement Courses, add Fundamentals of Digital Signal and Image Processing to make the students understand about data.
- 21AIM545 Parallel Processing: Include Case study assignments / practical in openmp.
- 21AIL553 Data Visualization Using PowerBI: Remove the tool name PowerBI and make it generalized.
- 21AIK57 research Methodology can be provided as a MOOC course. It was suggested by Dr. Shyam Lal that making Research methodology as a MOOC course will promote self-study (NEP-2020).
- 21AIM61 Software Engineering and Project Management: In module 3, include the topic Software metrics.
- 21AIL62 Deep Learning Lab: Rearrange the assignments of part B and part A. Assignment no. 1 and 3 of part B can be moved to Part A.
- 21AIM63 Web Technology: More Serverside Programming topics can be done.
- 21AIM642 Human Computer Interaction: Include topics of Augmented reality, Virtual Reality, Metaverse, Extended Reality.

- 21AIM643 Cyber security: In the last module, add topics of 5G networks, Applications.
- 21AIM645 Soft Computing: Remove module 2 and include topics like metaheuristic algorithms etc.

160 Credit 2022 Scheme

- 22RMK55 Research Methodology and IPR: Credits may be reduced to 2 or 1
- 22AIM32 Advanced Data structure and Algorithms: It can be renamed as Data structure and Algorithms II.
- 22AIL351 Problem Solving using Prolog: It is not widely used in industry. So, this subject may be removed.
- 22AIL354 Exploratory Data Analysis: can be provided with R Language and can be given one credit and can be taught in lab.
- 21AIM451 Ruby Programming: Instead of ruby Scala can be given.

Seventh and Eighth Semester-175 Credits:

Year	Semester	Current Subject Code/Subject Name(Before BOS)	Proposed Subject code/Subject Name(After BOS)	% Change of Syllabus	Remarks if any
VI	VII	20AIM73A	20AIM73A	5%	Added Application of NLP in Module 5

Fifth and Sixth Semester -160 Credits-NEP:

Year	Semester	Current Subject Code/Subject Name(Before BOS)	Proposed Subject code/Subject Name (After BOS)	% Change of Syllabus	Remarks if any
III	V	-	21AIL555- Basics for Digital and Image Processing	100%	New Subject Added in AEC as per suggestion
III	V	21AIM545	21AIM545	5%	Case Studies added as per suggestions.
III	VI	21AIM61	21AIM61	5%	New topic was

					introduced as per suggestions.
III	VI	21AIM63	21AIM63	5%	New topic was introduced as per suggestions
III	VI	21AIM643	21AIM643	5%	New topic was introduced as per suggestions
III	VI	21AIM645	21AIM645	20%	New topic was introduced as per suggestions

Third and Fourth Semester -160 Credits-NEP Updated:

Year	Semester	Current Subject Code/Subject Name (Before BOS)	Proposed Subject code/Subject Name (After BOS)	% Change of Syllabus	Remarks if any
II	III	22AIM32/ Advanced Data Structures and Algorithms	22AIM32/Data Structures and Algorithms II	-	Changed as per Suggestions.

BoS Chairman

N.V. I. Reddy

Dr.Uma Reddy N V

Dean-Academics

Dr. R. Anandhi
Professor and Dean-Academics
46 Dr. Anandhi R
Ring Road Bellandur Post
Bengaluru

Manjunatha

Principal

Dr.Manjunatha