

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

11th BOARD OF STUDIES MEETING

Minutes of Meeting ACADEMIC YEAR 2025-26

DATE

14-08-2025

VENUE

Conference Room, CSE - Netaji Subhash Chandra Bose Block, NHCE

TIME

2.00 PM-4:00 PM

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Professor HDD
Department of Computation Science and Engineering
New Horizon College of Engineering

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AGENDA FOR THE MEETING

- Welcome address by the chairman of BOS 1.
- Presentation by chairman of BOS about department achievements 2.
- 3. Presentation of proceedings of the previous BOS meeting by chairman of BOS
- Proposed course details of B.E 2024-2028 batch 3rd and 4th 4. semester, B.E 2022-2026 batch 7th and 8th semester and M.Tech 2024-2026 batch, 3rd and 4th semester
- Presentation of draft of scheme & syllabus for the commencement 5. semesters of (Particulars-4) schemes for ratification
- Recommendations/ suggestions of BOS members 6.
- $Implementation\ of\ recommendation\ of\ BOS\ members$ 7.
- Approval of scheme & syllabus of agenda 4,5 8.
- Vote of thanks by the chairman of BOS 9.

Department of Computar Science and Engineering New Horizon College of Engineering

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NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

LIST OF MEMBERS-BOARD OF STUDIES

A.Y:2025-26

	S. No	Category	Nomination of the committee	Name of the person	Designation& Affiliation
	1	Head of the Department	Chairperson	Dr. B. Rajalakshmi	Professor & Head of the Department, Dept of CSE, NHCE hod_cse@newhorizonindia.edu 9841711347
)			1	Dr. Manjunatha	Head of the Institution, New Horizon College of Engineering, principal@newhorizonindia.edu +91-80-662977Extn: 5002
	2	Special Invitees (one academician from Institution of National	2	Dr. Annappa	Professor, Department of Computer Science and Engineering, National Institute of Technology, Surathkal annappa@nitk.ac.in
		Eminence, IIT,NIT,IIM,IISC)	3	Dr. R J Anandhi	Professor & Dean Academics, New Horizon College of Engineering, dean.academics@newhorizonindia.edu _ 91-80-66297777Extn:2026
)			1	Dr. Asha Joseph	Professor& Head of the Department, Dept of CSE, NHCE hod_cse01@newhorizonindia.edu 9449123958
	3	Internal Subject Experts	2	Dr. C P Vandana	Associate Professor & Head of the Department, Dept of ISE, NHCE hod_ise@newhorizonindia.edu 9945721293
			3	Dr. B. Swathi	Associate Professor & Head of the Department, Dept of CSE(DS), NHCE hod_ds@newhorizonindia.edu 9620681234

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4. No attention

Protector of Colors of Engineering New Horizon Opilege of Engineering

		1	Dr. G. Vijayasekaran	Associate Professor, Dept of CSE, NHCC dr.vijayasekaran.g_cse_nhce@newhorizonindia.edu 7871330003
		2	Dr. Pramila Rani K	Associate Professor, Dept of CSE, NHCE, pramilaranik@newhorizonindia.edu 8971471249
	Faculty members at	3	Dr. J. Karthiyayini	Sr. Assistant Professor, Dept. of ISE, NHCE karthiyayinij@newhorizonindia.edu 9731521707
4	different level with different specialization	4	Dr. Sunil	Professor, Dept. of CSE(DS), NHCE dr.sunil.kv_ds_nhce@newhorizonindia.edu 9886406414
	Specialization	5	Ms. Usha Rani M	Assistant Professor, Dept of CSE, NHCE, usha.rm_cse2_nhce@newhorizonindia.edu 9494741876
		6	Ms. Salna Joy	Assistant Professor, Dept of CSE, NHCE salnajoy.nhce@newhorizonindia.edu 9606826996
5	Subject expert from outside the college nominated by Academic Council	1	Dr. Shyam P. Joy	Professor & Head of the Department Department of Artificial intelligence and Machine Learning CMR Institute of Technology. shyam.p@cmrit.ac.in 8105642642
6	Experts from outside the college nominated by	1	Dr. B.R. Shambhavi	Professor & Head, Dept. of CSE BMS College of Engineering-Bengaluru shambhavibr.ise@bmsce.ac.in 9886784959
7	Representative from Industry/ Corporate sector / allied area related to placements, nominated by Academic Council	1	Ms. Supriya K	Senior Technical Architect-DMTS, DELL India supriya.kannery@dell.com 9845085303
	Meritorious	1	Ms. Shreya Pradeep	Software Engineer, Lowe's, Bangalore shreya.pradeep@lowes.com 9739537679
8	alumni nominated by Principal	2	Ms. Vanshika Sai Ramadurgam	Software Engineer, Goldman Sachs 9901833434

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		1	Dr. Nirmala.M	Professor, Dept of CSE, NHCE dr.nirmalam.nhce@newhorizonindia.edu 9626689838
	*	2 %	Dr. Santhosh Krishna B V	Associate Professor, Dept of CSE, NHCE santhoshkbv@newhorizonindia.edu 8610196443
		3	Dr. T Kavitha	Professor, Dept of CSE, NHCE, dr.kavithat_cse2_nhce@newhorizonindia.edu 9884591122
ı	Co-opted members	4	Dr. Sonali Mahure	Associate Professor, Dept of CSE, NHCE, dr.sonalijm_cse2_nhce@newhorizonindia.edu 8263909205
		5	Dr. J. Joshua Daniel Raj	Associate Professor, Dept of CSE(DS), NHCE, joshuadr@newhorizonindia.edu +919019347627
		6	Ms. Rama Bansidhar Dan	Assistant Professor, Department of ISE, NHCE ramabd.nhce@newhorizonindia.edu 9830618633
		7	Mr. Muralidharan	Senior Manager – HR, Corporate Relations Training - Placements 9790713875

BOS Member Secretary

HOD-ISE

HOD-CS(DS)

BOS Chairman & HODI-CSE

Decartment of Computer Schenge and Engineering

LIST OF MEMBERS PRESENT

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE DEPARTMENTOFCOMPUTERSCIENCEANDENGINEERING

Attendance sheet for BoS meeting held on 14-08-2025

S. No	Category	Nomination of the committee	Name of the person	Designation& Affiliation	Signature
1	Head of the Department	Chairperson	Dr. B. Rajalakshmi	Professor & Head of the Department, Dept of CSE, NHCE hod_cse@newhorizonindia.edu 9841711347	1 - Aug- 25
		1	Dr. Manjunatha	Head of the Institution, New Horizon College of Engineering, principal@newhorizonindia.edu +91-80-662977Extn: 5002	Newports
2	Special Invitees (one academician from Institution of National	2	Dr.Annappa	Professor, Department of Computer Science and Engineering, National Institute of Technology, Surathkal annappa@nitk.ac.in	ONLINE
	Eminence, IIT,NIT,IIM,IISC)	3	Dr. R J Anandhi	Professor & Dean Academics, New Horizon College of Engineering, dean.academics@newhorizonindia.e du 91-80-66297777Extn:2026	Arandho
		1	Dr. Asha Joseph	Professor&HeadoftheDepartment, Dept of CSE, NHCE hod_cse01@newhorizonindia.edu 9449123958	Hall of hore
3	Internal Subject Experts	2	Dr. C P Vandana	Associate Professor &HeadoftheDepartment, Dept of ISE, NHCE hod_ise@newhorizonindia.edu 9945721293	V-14/08/2015
		3	Dr. B. Swathl	Associate Professor&HeadoftheDepartment, Dept of CSE(DS), NHCE hod_ds@newhorizonindia.edu 9620681234	[m 01 2025

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		1	Dr.G.Vijayasekəran	Associate Professor, Deptof CSE, NHCE dr. vijayasekaran.g_cse_nhce@newh orizonIndia.edu 7871330003	GNT STREET IN . OS . TS
		2	Or. Pramila Rani K	Associate Professor, Deptof CSE, NHCE, pramilaranik@newhorizonIndia.edu 8971471249	60 1 9/2×
	Faculty members at	3	Or.I.Karthiyayinl	Sr. Assistant Professor, Dept. of ISE, NHCE karthiyayinij@newhoritoniadl a.edu 9731521707	Man In 3 3
4	different level with different specialization	4	Dr. Sunil	Professor, Dept. of CSE(DS), NHCE dr.sunif.kv_ds_nhce@newhorizonindl	19/5/25
		5	Ms. Usha Rani M	Assistant Professor, Dept of CSE, IMCE, usha.rm_cseZ_nhce@newhorizonin (fia.eda 9494741876	m. v. Lanari 14/08/35
		6	Ms. Saina Joy	AssistantProfessor, Dept of CSE, NHCE salnajoy,nhce@newhorizonindia.edu 9606826995	dla 9.15
5	Subject expert from outside the college nominated by Academic Council	1	Dr. Shyam P. Joy	Professor & Head of the Department Department of Artificial Intelligence and Machine Learning CMR Institute of Technology shyama @cmrit.ac.in 8105642642	, окпие
6	Experts from outside the college nominated by	1	Or, B.R.Shambhav	Professor & Head, Dept. of CSE BMS Catlege of Engineering— Bengaturu shambhasibr.ise@bmsce.ac.in 9886784959	gh-lite in Ro
7	Representative from industry/ Corporate sector / allied area related to placements, nominated by Academic Council	I	Мз. Ѕърпуз К	Senior Technical Architect-DIATS, DELL India supriya,kannery@dell.com 9845085303	Sylvery

	Meritorious alumni	1	Ms. Shreya Pradeep	Software Engineer, Lowe's, Bangalore shreya.pradeep@lowes.com 9739537679	Barabah
8	nominated by Principal		Ms. Vanshika Sai Ramadurgam	Software Engineer, Goldman Sachs 9901833434	Vandiuka
		1	Dr.Nirmala.M	Professor, Dept of CSE, NHCE dr.nirmalam.nhce@newhorizonindi a.edu 9626689838	MANIAN.
		2	Dr.Santhosh Krishna B V	AssociateProfessor,DeptofCSE,NH CE santhoshkbv@newhorizonindia.ed U 8610196443	Sn.
		3	Dr. T Kavitha	Professor, Dept of CSE, NHCE, dr.kavithat_cse2_nhce@newhoriz onindia.edu 9884591122	(Var / 103/24)
9	Co-opted members	4	Dr. Sonall Mahure	Associate Professor, Dept of CSE, MHCE, dr.sonalijm_cse2_nhce@newhorizonindia.edu 8263909205	PARMUN 25
		5	Dr. J. Joshua Danlel Raj	Associate Professor, Dept of CSE(DS), NHCE, joshuadr@newhorizonIndia.edu +919019347627	1
		6	Ms. Rama Bansidhar Dan	Assistant Professor, Department of ISE, NHCE ramabd.nhce@newhorizonindia.e du 9830618633	Yours.
		7	Mr. Muralidharan	Senior Manager – HR, Corporate Relations - Training - Placements 9790713875	14.18.25

AGENDA -1

Welcome Address by the Chairman of BOS

The 11^{th} Board of Studies meeting for Department of Computer Science and Engineering was scheduled on 14^{th} August 2025 at 2.00 PM.

At the outset, Chairperson **Dr. B. Rajalakshmi**– Professor & Head – Department of Computer Science and Engineering, welcomed all the members to the 11^{th} Board of Studies meeting.

The Chairperson further expressed special thanks to **Dr.B.R.Shambhavi**, an expert, nominated by VTU, Special Invitees from NIT Surathkal, **Dr. Annappa** and a subject expert from outside the college nominated by Academic Council **Dr. Shyam P. Joy**, Professor & Head, Department of AI &ML, CMR Institute of Technology, Bangalore.

The chairperson also expressed her gratitude to industrial nominee by Academic Council, Ms. Supriya K, Senior Technical Architect-DMTS, DELL India, Bangalore, for sparing the time from her busy schedule to attend the meeting.

Internal subject experts Dr. Asha Joseph, Professor & Head, Department of CSE, Dr. C P Vandana, Associate Professor & Head, Department of ISE, Dr. B. Swathi Associate Professor & Head, Department of CSE (DS) also attended the meeting.

The meeting was also attended by meritorious alumnus Ms. Shreya Pradeep, Software Engineer Lowe's, Bangalore and Ms. Vanshika Sai Ramadurgam, Software Engineer, Goldman Sachs, nominated by the Principal, Co-opted members Dr. Nirmala M, Dr. Santhosh Krishna B V, Dr. T Kavitha, Dr. Sonali Mahure, Dr. J. Joshua Daniel Raj, Ms. Rama Bansidhar Dan, Mr. Muralidharan— Senior Manager — HR, and internal faculty members Dr. G. Vijayasekaran (BoS Member Secretary), Dr. Pramila Rani K, Dr. J. Karthiyayini, Dr. Sunil, Ms. Usha Rani M and Ms. Salna Joy with different specialization.

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AGENDA -2

Presentation by chairman of BOS about department achievements ****

Chairperson of BOS Dr. B. Rajalakshmi, Professor & Head, Department of Computer Science and Engineering, presented the achievements of the department for the previous year.

AGENDA -3

Presentation of proceedings of the previous BOS meeting by chairman of BOS

Chairperson of BOS Dr. B. Rajalakshmi, Professor & Head, Department of Computer Science and Engineering, briefed the proceedings of previous BOS meeting acknowledging their contribution for betterment in framing the scheme & syllabus.

AGENDA -4

Proposed course details of B.E 2024-2028 batch 3rd and 4th semester, B.E. 2022-2026 batch 7th and 8th semester and M.Tech 2024-2026 batch, 3rd and 4th semester.

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Professor & HOD Department of Computer Science and Engineering New Horizon College of Engineering

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NEW HORIZON COLLEGE OF ENGINEERING

B. E. in Computer Science and Engineering Scheme of Teaching and Examinations for 2024- 2028 BATCH (2024 Scheme)

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		NCMC		VHU			AEC		HSMS	PCC	PCCL	PCC	PCCL	PCC	BSC	Code	Course and Course	
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	Yoga	Physical Education and Sports	National Service Scheme	Universal Human Values and Life Skills			Ability Enhancement Course – III		Software Engineering and Project Management	Optimization Techniques	Logic Design Lab	Digital Logic and Computer Organization	Advanced Data Structures Lab	Advanced Data Structures	Mathematical Foundation for Computing Sciences	CONTRACTION	Course Title	
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BSC: Basic Science Course, PCC: Professional Core Course, PCCL: Professional Core Course laboratory, UHV: Universal Human Value Course, Development, K: This letter in the course code indicates common to all the stream of engineering. ESC: Engineering Science Course, ETC: NCMC: Non-Credit Mandatory Course, AEC: Ability Enhancement Course, L: Lecture, T: Tutorial, P: Practical S: SDA: Self Study for Skill 24DMAT31*: This non-credit mandatory course to be offered with only CIE and no SEE to Lateral entry students. Emerging Technology Course, PLC: Programming Language Course, CIE: Continuous Internal Evaluation, SEE:Semester End Evaluation

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Continent of Computer Science and Engineering
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		24CSE365	24CSE364	t Course – III (0-	
		Bio Inspired Design and Innovation (1-0-0-0)	Microsoft Visio	0-1-0)	

syllabus should have both economics and management topics and the course title should bear the word Management For IT allied Branches: Software Product Management 24XXX35(HSMS)- This course must be pertaining to economics and management of the concerned degree program. The course

For Core Branches: Engineering Economics and Management / Industrial Management and Entrepreneurship.

appropriately scheduled by the colleges and the same shall be reflected in the calendar prepared for the NSS, PE, and Yoga activities. course is mandatory for the award of degree. Successful completion of the registered course and requisite GIE score is mandatory for the award of the degree. The events shall be during the first week of III semesters. Activities shall be carried out between III semester to the VI semester (for 4 semesters). Service Scheme (NSS), Physical Education (PE) (Sports and Athletics), and Yoga (YOG) with the concerned coordinator of the course These courses shall not be considered for vertical progression as well as for the calculation of SGPA and CGPA, but completion of the National Service Scheme /Physical Education/Yoga: All students have to register for any one of the courses namely National

<pre>edit Definition:</pre>		
O3-Credits courses are to be designed Session O2- Credits courses are to be designed redit Session O1-Credit courses are to be designed for	Sessions	per week = 1 Credit
: 03-Credits courses are to be designed Session) per week=1Credit	01-Credit courses are to be designed for 15 hours of Teaching-Learning	2-hous Self Study for Skill Development (SDA)
: 03-Credits courses are to be designed) per week=1Credit Session) per week=1Credit 02- Credits courses are to be designed	Session	2-hours Practical / Drawing (P) per week=1Credit
: 03-Credits courses are to be designed Session	02- Credits courses are to be designed for 25 hours of Teaching-Learning	2-hoursTutorial(T) per week=1Credit
: 03-Credits courses are to be designed	Session	1-hour Lecture (L) per week=1Credit
	03-Credits courses are to be designed for 40 hours in Teaching-Learning	Credit Definition:

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Professor SARDD

Department of Computation and Engineering

New Horizon College of Engineering

Bengaluru – 560 103

NEW HORIZON COLLEGE OF ENGINEERING

Scheme of Teaching and Examinations for 2024-2028 BATCH (2024 Scheme) B. E. in Computer Science and Engineering

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100	50	50	ω	3	0	0	0	ω	S	Database Management System	24CSK44	PCC	6
100	50	50	2	Н	0	1	0	0	S	Linux Operating System Lab	24CSLK43	PCCL	5
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100	50	- 05	-2	1	0	1	0	0	S	Object Oriented Programming using Java LAB	24CSLK42	PCCL	ω
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Self Study for Skill Development, K: This letter in the course code indicates common to all the stream of engineering. ESC: Engineering Science NCMC: Non-Credit Mandatory Course, AEC: Ability Enhancement Course, PROJ: Mini Project work, L: Lecture, T: Tutorial, P: Practical S: SDA: BSC: Basic Science Course, PCC: Professional Core Course, PCCL: Professional Core Course laboratory, UHV: Universal Human Value Course,

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Basic Applied Mathematics-II

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Professore: HOD

Department of Computer Science and Engineering

New Horizon Edillegie of Engineering

Evaluation. Course, ETC: Emerging Technology Course, PLC: Programming Language Course, CIE: Continuous Internal Evaluation, SEE: Semester End

24DMAT41*: This non-credit mandatory course to be offered with only CIE and no SEE to Lateral entry students.

	Professional E	Professional Elective Course-I	
24CSE451	24CSE451 Knowledge Engineering	24CSE454	Computer Graphics
24CSE452	24CSE452 Introduction to Cloud Computing and Virtualization	24CSE455	Fundamentals of Information Security
24CSE453	24CSE453 Software Testing and Automation	24CSE456	Entrepreneurship and Innovation Management

	Ability Enhancement Course – IV	ment Course – IV	
24CSE461	24CSE461 IoT Programming	24CSE464	UI / UX Design
24CSE462	24CSE462 Automated Software Testing with Tosca	24CSE465	Programming in C++
24CSE463	24CSE463 Data Visualization with Python		

and recommendations of the mentor. A student can do mini project as practical knowledge and skills by the development of small systems/applications etc. Based on the ability/abilities of the student/s Mini-project work: Mini Project is a laboratory-oriented/hands on course that will provide a platform to students to enhance their

- (i) A group of 2 if mini project work is single discipline (applicable to all IT allied branches)
- (ii) A group of 2-4 if mini project work is single discipline (applicable to all Core Branches)
- (iii) A group of 2 4 students if the Mini Project work is a multidisciplinary (Applicable to all Branches)

CIE procedure for Mini-project

faculty members of the Department, one of them being the Guide. The CIE marks awarded for the Mini-project work shall be based on (i) Single discipline: The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two

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Department of Computer School and Engineer New Florizon College of Fortimenting DOTH BLOGSENOLE

awarded for the project report shall be the same for all the batches mates. the evaluation of the project report, project presentation skill, and question and answer session in the ratio of 50:25:25. The marks

(ii) Interdisciplinary: Continuous Internal Evaluation shall be group-wise at the college level with the participation of all the guides of the project.

question and answer session in the percentage ratio of 50:25:25. The marks awarded for the project report shall be the same for all the The CIE marks awarded for the Mini-project, shall be based on the evaluation of the project report, project presentation skill, and batch mates

shall not be considered for vertical progression as well as for the calculation of SGPA and CGPA, but completion of the course is scheduled by the colleges and the same shall be reflected in the calendar prepared for the NSS, PE, and Yoga activities. These courses completion of the registered course and requisite CIE score is mandatory for the award of the degree. The events shall be appropriately first week of III semesters. Activities shall be carried out between III semester to the VI semester (for 4 semesters). Successful Scheme (NSS), Physical Education (PE) (Sports and Athletics), and Yoga (YOG) with the concerned coordinator of the course during the mandatory for the award of degree. National Service Scheme /Physical Education/Yoga: All students have to register for any one of the courses namely National Service

Sessions	= 1 Credit
01-Credit courses are to be designed for 15 hours of Teaching-Learning	2-hous Self Study for Skill Development (SDA) per week
Learning Session	2-hours Practical / Drawing (P) per week=1Credit
02- Credits courses are to be designed for 25 hours of Teaching-	2-hoursTutorial(T) per week=1Credit
Learning Session	1-hour Lecture (L) per week=1Credit
03-Credits courses are to be designed for 40 hours in Teaching-	Credit Definition:

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Department of Computer Science and Engineering

New Horizon College of Engineering Bengaluru – 560 103 Professor & Hop age

NEW HORIZON COLLEGE OF ENGINEERING

\underline{A} . E. in Computer Science and Engineering Scheme of Teaching and Examinations for 2022- 2026 BATCH (2022 Scheme)

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s.	Course a	Course and Course	})	Credi	t Distr	Credit Distribution	_	Overall	Contact	Marks	~ *	
No.	Code		Course little	Bos	-	-	ס	S	Credits	Hours	CIE	SEE	Total
1	PCC	_22CSE71	Full Stack Technologies	ಬ	ω	0	0	0	ω	ω	50	50	100
2	PCCL	22CSL71	Full Stack	ន	0	0	↦	0	1	2	50	92	100
W	PCC	22CSE72	Software Testing	S	ω	0	0	0	ω	ω	05	50	100
4	PCCL	22CSL72	Software Testing Lab	S	0	0	1	0	1	2	50	50	100
5	PCC	22CSE73	Generative Al	S	3	0	0	0	3	3	50	50	100
6	PROJ	22CSE74	Project Phase - II	S	0	0	10	0	10	20	100	100	200
7	OEC	23NHOP7XX	Industrial Open Elective Course-II	Offering Dept.	3	0	0	0	ω	ω	50	50	100
							Τo	Total	24	36	400	400	800

Semester End Evaluation. PROJ: Project work, L: Lecture, T: Tutorial, P: Practical S: SDA: Self Study for Skill Development, CIE: Continuous Internal Evaluation, SEE: PCC: Professional Core Course, PCCL: Professional Core Course laboratory, PEC: Professional Elective Course, OEC: Open Elective Course,

Industrial Open Elective Courses-II:

the branches. Registration to Industrial open electives shall be documented and monitored on college level. Course Assessment will be based on CIE and SEE in practical mode. This Courses will be offered by Centre of Excellence to students of all Credit for OEC is 03 (L: T: P: S) can be considered as (3: 0: 0: 0). The teaching and learning of these Courses will be based on hands-on. The

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New Horizon College of Engineering

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Project Phase-II:

The objective of the Project work is

- (i) To encourage independent learning and the innovative attitude of the students.
- (ii) To develop interactive attitude, communication skills, organization, time management, and presentation skills.
- (iii) To impart flexibility and adaptability.
- (iv) To inspire team working.
- (v) To expand intellectual capacity, credibility, judgment and intuition.
- (vi) To adhere to punctuality, setting and meeting deadlines.
- (vii) To install responsibilities to oneself and others.

communication skills, involve in group discussion to present and exchange ideas. (viii)To train students to present the topic of project work in a seminar without any fear, face the audience confidently, enhance

CIE procedure for Project Work:

(1) Single discipline: The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide.

question and answer session in the percentage ratio of 50:25:25. The marks awarded for the project report shall be the same for all the The CIE marks awarded for the project work, shall be based on the evaluation of the project work Report, project presentation skill, and

(2)Interdisciplinary: Continuous Internal Evaluation shall be group-wise at the college level with the participation of all guides of the evaluation of project work Report, project presentation skill, and question and answer session in the percentage ratio of 50:25:25. college. Participation of external guide/s, if any, is desirable. The CIE marks awarded for the project work, shall be based on the The marks awarded for the project report shall be the same for all the batch mates,

SEE procedure for Project Work: SEE for project work will be conducted by the two examiners appointed by the University. The SEE answer session in the percentage ratio of 50:25:25 marks awarded for the project work shall be based on the evaluation of project work Report, project presentation skill, and question and

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1-hour Lecture (L) per week=1Credit

2-hoursTutorial(T) per week=1Credit

2-hours Practical / Drawing (P) per week=1Gredit

week = 1 Credit 2-hous Self Study for Skill Development (SDA) per

> Session 03-Credits courses are to be designed for 40 hours in Teaching-Learning

Session 02- Credits courses are to be designed for 25 hours of Teaching-Learning

01-Credit courses are to be designed for 15 hours of Teaching-Learning Sessions

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NEW HORIZON COLLEGE OF ENGINEERING

B. E. in Computer Science and Engineering Scheme of Teaching and Examinations for 2022- 2026 BATCH (2022 Scheme)

·	Course	Course and Course			,	:	:						
			Course Title	000	CLED	CLEGIC DISCUSSACION	ושמנוס		CVETAIL	COLLECT INIGINA	MIDIN		
No.	Code			000	-	T	D	S	Credits	Hours	CIE	SEE	Total
1	PEC*	22CSE81X	PEC* 22CSE81X Professional Elective Courses -IM	S	w	0	0	0	ω		50	50	100
2	PEC*	22CSE82X	PEC* 22CSE82X Professional Elective Courses -IV	S	ω	0	0	0	3	ω	50	50	100
ω	INT	22CSE83	Internship	S	0	0	10	0	10	20	100	100	200
	То	Total							16	26	200		400

PEC*: Professional Elective Course (Online / Hybrid), L: Lecture, T: Tutorial, P: Practical S: SDA: Self Study for Skill Development, INT: Industry Internship / Research Internship, CIE: Continuous Internal Evaluation, SEE:Semester End Evaluation.

	Professional El	Professional Elective Course-III	
22CSE811	22CSE811 Concurrent Programming	22CSE814	Entrepreneurship and Resource Management
22CSE812	22CSE812 Human Computer Interaction	22CSE815	Social Media Networks
22CSE813	22CSE813 Soft Computing		

22CSE823 Recommender Systems	22CSE822 Service Oriented Architecture	22CSE821 Design Thinking	
	22CSE825	22CSE824	Professional Elective Course-IV
	Storage Area Networks	Ethics in Al	

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operated simultaneously by the University so that students have ample opportunity for an internship. In other words, a good percentage of the class shall attend VII semester classwork and a similar percentage of others shall attend to Internship. At the beginning of IV years of the program i.e., after VI semester, VII semester classwork and VIII semester Internship shall be permitted to be

subsequent SEE examination after satisfying the internship requirements. If the students are opting for the 8th semester, the following internship options are available: for the award of a degree. Those, who do not take up/complete the internship shall be declared to fail and shall have to complete it during the Internship: The mandatory Internship is for 14 to 20 weeks. The internship shall be considered as a head of passing and shall be considered

- Industry Internship
- Research Internship
- Skill Enhancement Courses
- Post-Placement Training as Internship
- Online Internship

request the organization to register on the portal. practical constraints. Students undertaking industry internships must ensure the organization is listed on the VTU Internship Portal. If not, development. It also helps them learn to overcome unexpected obstacles and successfully navigate organizations, perspectives, and cultures. Dealing with contingencies helps students recognize, appreciate, and adapt to organizational realities by tempering their knowledge with Industry internship: It is an extended period of work experience undertaken by students to supplement their degree for professional

research centers. Ensure that these centers are registered on the portal. get familiarized with the field and imparts the skill required for carrying out research. Research internships must be carried out in recognized Research internship: A research internship is intended to offer the flavor of current research going on in the research field. It helps students

be taken from registered providers listed on the VTU Internship Portal. Skill Enhancement Courses: Students can take Skill-based courses with credits totalling the same as those of the internship. Students must

6th/7th semester and willing to take the training during their final year, colleges must inform the recruiting companies in advance to register on Post-Placement Training as Internship: The post-placement training is also considered an internship. For students placed during their

Online Internship: Reputed online internship platforms, including those identified by NSDC, are already listed on the VTU Internship portal. If colleges come across other eligible organizations not yet listed, they are informed to ask the organization to register on the VTU Internship

expenses incurred in respect of the internship. With the consent of the internal guide and Principal of the Institution, students shall be allowed completion of the internship. The students are permitted to carry out the internship anywhere in India or abroad. University shall not bear any to carry out the internship at their hometown (within or outside the state or abroad), provided favorable facilities are available for the internship and the student remains regularly in contact with the internal guide. The faculty coordinator or mentor has to monitor the student's internship progress and interact with them to guide for the successful

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	week = 1 Credit
Sessions	2-hous Self Study for Skill Development (SDA) per Sessions
01-Credit courses are to be design	2-hours Practical / Drawing (P) per week=1 Credit
Session	2-hoursTutorial(T) per week=1 Credit
02- Credits courses are to be c	1-hour Lecture (L) per week=1 Credit
03-Credits courses are to be design	Credit Definition:

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03-Credits courses are to be designed for 40 hours in Teaching-Learning Session 02- Credits courses are to be designed for 25 hours of Teaching-Learning Session

01-Credit courses are to be designed for 15 hours of Teaching-Learning Sessions

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NEW HORIZON COLLEGE OF ENGINEERING

M.Tech Computer Science and Engineering Scheme of Teaching and Examinations for 2024 - 2026 BATCH (2024 Scheme)

he 4th	ses for t) Cours	ie (NPTEI	BOS Onlin	ended	omm	e rec	ish th	in and fini	Important Note: During the 3rd semester, students should enroll in and finish the recommended BOS Online (NPTEL) Courses for the 4th semester as the evaluation will take place during the 4th semester.	ouring the 3rd	tant Note: D	Impor
600	200	400	11	22						Total			
100	50	50	,	6	0	6	0	0	CS	Internship (6 weeks Internship completed during the intervening vacation of II & III semesters.)	24SCSI36	INT	6
100	;	100	,	ω	0	3	0	0	CS	Societal Project	24SCS35	SP	5
100	:	100		ω	0	ω	0	0	CS	Project Work Phase - 1	24SCS34	PROJ	4
100	50	50	3	3	0	0	0	3	S	Open Elective Courses	23NHOPGXX	OEC	ω
100	50	50	ω	3	0	0	0	3	CS	Professional Elective - 3	24SCS32X	PEC	2
100	50	50	ъ	4	1	0	0	3	S	Advanced Computer Network & Security	24SCS31	PCC	1
Total	SEE	CIE		Credits	S	P	TP	Т			coue		
5	Marks		itact ours	Overall	n	Credit stributio	Credit Distribution	ם	BoS	Course Title	Course and Course	Course	S S
								'	III – Semester	III			

semester, as the evaluation will take place during the 4th semester.

Seminar; AUD/AEC; Audit Courses/ Ability Enhancement Courses (Mandatory), PCCL - Professional Core Course lab, L - Lecture, P-Practical, T / SDA-Tutorial / Skill Development Activities (Hours are for Interaction between faculty and students) Legends: PCC: Professional core courses, PEC: Professional Elective Courses, IPCC-Integrated Professional Core Courses. MPS-Mini Project With

ed Architecture	Service Oriented Architecture	24SCS325
nce Computing	High Performance Computing	24SCS324
n and Forensics	Crime Detection and Forensics	24SCS323
mputing	Distributed Computing	24SCS322
ering	Prompt Engineering	24SCS321
Course Title		Course Code
Professional Elective - 3	Professiona	

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Note

Project Work Phase-1: It's an opportunity for students to look into into real-world challenges, applying theoretical identification, and proposal formulation. knowledge to practical scenarios. This phase typically involves project selection, literature review, problem

and ethical application of technology in creating solutions that positively impact communities. by leveraging their technical expertise for societal betterment. This initiative fosters a sense of responsibility, innovation, Societal Project: Aims to bridge technology with societal needs. It encourages students to address real-world challenges

Internship SEE (University examination) shall be as per the University norms. and have to complete the same during subsequent University examinations after satisfying the internship requirements. Internship: Those, who have not pursued /completed the internship, shall be declared as fail in the internship course

Project Presentation skill, and performance in the Question and Answer session in the ratio of 50:25:25. the department. The CIE marks awarded for project work phase -1, shall be based on the evaluation of Project Report CIE marks shall be awarded by a committee comprising of HoD as Chairman, Guide/co-guide if any, and a senior faculty of

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NEW HORIZON COLLEGE OF ENGINEERING M.Tech Computer Science and Engineering Scheme of Teaching and Examinations for 2024 - 2026 BATCH (2024 Scheme)

200	100 100 200	100	•	20						Total			
PP	licy of	er the po	es are as pe providers.	Classes and evaluation procedures are as per the policy of the online course providers.	luatio the oni	ıd eva t	ses an	Clas	CS	24M00C2 Online Courses	24M00C2	AUD/AEC	2
200	100	100 100	•	20	0 20 0	20	0	0	SD	Project work phase – 2	24SCS41	Project	1
Total	CIE SEE Total	CIE		. Clento	L T PS	P	T	L			i i		
	Marks		Contact	Overall Contact	n(dit outio	Credit Distribution	ם	BoS	Course Title	ıd Course de	Course and Course Code	No.
												IV – Semester	IV - Si

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ProjectWorkPhase-2: Students in consultation with the guide/co-guide (if any) in disciplinary project or guides/co-guides (if any) of all departments shall prepare project document, and present a seminar. in case of multidisciplinary projects, shall continue to work of Project Work phase -1to complete the Project work. Each student / batch of students

departments. The CIE marks awarded for project work phase -2, shall be based on the evaluation of Project Report, Project Presentation skill, and CIE marks shall be awarded by a committee comprising of HoD as Chairman, all Guide/s and co-guide/s (if any) and a senior faculty of the concerned performance in the Question and Answer session in the ratio of 50:25:25.

check, shall be as per the University norms. SEE shall be at the end of IV semester. Project work evaluation and Viva-Voce examination (SEE), after satisfying the plagiarism

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AGENDA -5

Presentation of draft of scheme & syllabus for the commencement semesters of (Particulars - 4) schemes for ratification

The Chairperson presented the draft of scheme and contents of syllabus. The details were scrutinized by the members of the Board.

The presentation for the ratification of a draft scheme and syllabus for semester courses is a crucial step in the academic process. The members formally accepted and appreciated the proposal of new courses. The objective of this presentation is to provide a comprehensive overview of the proposed courses, including their structure, content, assessment methods, and alignment with learning objectives.

In summary, the presentation session for draft scheme and syllabus ratification was very informative aimed at presenting comprehensive details about all intrinsic details of Core (Theory & Lab), PE (Professional Electives), OEC (Open Elective Courses), and AEC (Ability Enhancement courses) and Project work. After emphasizing the courses' content, structure, assessment methods, and alignment with learning outcomes, ultimately seeking approval and endorsement from panel of external experts and university nominee.

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AGENDA-6

Recommendations/Suggestions of BOS Members

The following suggestions were given by the BoS members in the scheme and syllabi.

B.E II Year Scheme and Syllabi for 2024-2028 batch (3rd and 4th semester)

- 1. It is advisable to remove Data Structures from first year
- 2. Project presentations may be incorporated under the courses Software Engineering and Project Management
- 3. Additional hours should be allocated to the topic Trees in Advanced Data Structures, while introductory hours can be reduced
- 4. Dr. B. Rajalakshmi suggested organizing a bridge course for lateral entry students to help them cope up with Data Structure fundamentals covered in the first year, as many lateral entry students come from different discipline, not only from CSE
- 5. New programming languages such as Python, REST and Golang could be included more extensively in the syllabus
- 6. Students may be encouraged to contribute case studies to open-source Linux projects.
- 7. Linux OS Theory course could be renamed as "Operating Systems"
- 8. Cluster Databases may be included as part of DBMS
- 9. Fundamentals of Information Security should be shifted from a Professional Elective Course (PEC) to a core course, considering its importance

B.E IV Year Scheme and Syllabi for 2022-2026 batch (7th and 8th semester)

- 1. The Full Stack Lab may include a project component as part of CIE evaluation
- 2. The statement under Virtual Lab "Not included in CIE or SEE" may be removed and faculty can be allowed to include it in evaluation
- 3. David Foster can be considered as a textbook for Generative AI, instead of just a reference book
- 4. In Software Testing, students should execute an end-to-end pipeline including test plan, report, presentation and must be able to explain the entire workflow
- 5. Professional Electives (PEC) and Open Electives can be offered through NPTEL, while Internships may be taken in the 7th or 8th semester or extended flexibly up to 1 year, depending on requirements
- 6. Internship credits may be reduced to 6 or 8 to maintain balance in the curriculum

M.Tech II Year Scheme and Syllabi for 2024-2026 batch (3rd and 4th semester)

- 1. Advanced Databases course can be included
- 2. Distributed Computing may include advanced topics
- 3. Lab component should be incorporated into the Crime Detection and forensics course for practical exposure
- 4. Three internship schemes should be introduced in the curriculum, allowing students the flexibility to choose based on their interests and career goals

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General Academic Policy Suggestions

1. Credit transfer provisions may be considered for students under the 25 USN syllabi to ensure flexibility and alignment with academic mobility practices

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AGENDA-7

Implementation of Recommendation of BOS Members

The chairperson constituted the following groups to review and implement the recommendations of the BOS members in the scheme and syllabus of the curriculum based on industry needs

3rd and 4th Semester Courses (2024 -2028 Batch)

Dr. Roja Ramani, Associate Professor

7th and 8th Semester Courses (2022 - 2026 Batch)

Dr. Nirmala M, Professor

3rd and 4th M-Tech Semester Courses (2024 - 2026 Batch)

Ms. Chempavathy, Sr. Asst Prof

AGENDA-8

Approval of scheme & syllabus of agenda 4 & 5

The Board of Studies members reviewed the modified draft of the scheme & syllabus with their recommendations/suggestions being incorporated appropriately for the following:

- 1. B.E 3rd and 4th semester for 2024-2028 batch
- 2. B.E 7th and 8th semester for 2022-2026 batch
- 3. M.Tech 3rd and 4th semester for 2024-2026 batch

Finally, the members approved the draft of the same with the modifications for final implementation.

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AGENDA -9

Vote Of Thanks by the Chairman of BOS

The chairman of BOS thanked the external members for their fruitful participation on behalf of the Principal and the Management. She also thanked **Dr. Annappa**, **Dr. B. R. Shambhavi**, **Dr. Shyam P Joy, Ms. Supriya K, Ms. Shreya Pradeep and Ms. Vanshika Sai Ramadurgam** and all the other members of the BOS for their active participation.

Dr.B. Rajalakshmi

BOS - Chairman

Prof & Head - CSE

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