



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently affiliated with VTU, approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, accredited by NBA



22nd

GOVERNING COUNCIL MEETING MINUTES OF MEETING

12th February 2025



GOVERNING COUNCIL MEETING - 22nd Meeting

Date: 12th Feb 2025

Semester: Even Semester AY 2024-25

Purpose: Odd Semester Preparation & Conclusion of Odd Sem 2024-25

Venue: Conference Room, NHCE

Time: 11:00 AM

Members Present

Sl. No.	Name	Designation Representation	Role in GC
1.	Dr. Mohan Manghnani	Chairman, NHEI	Chairperson
2.	Mr. Dharmesh Manghnani	President, NHCE	Member
3.	Mr. H. N. Surya Prakash	Registrar	Member
4.	Dr. R. Bodhisatvan	Principal - New Horizon College, Marathalli	Member
5.	Prof. Gurucharan Singh	Sr. Executive Director - Training & Placements	Member
6.	Dr. Sanjeev Sharma	Director - QAIIIE	Member
7.	Dr. Anitha Rai	Director - Library & Alumni Relations	Member
8.	Dr. R. J. Anandhi	Dean - Academics	Member
9.	Dr. Revathi V	Dean - R&D	Member
10.	Dr. Vijilius H. Raj	Controller of Examinations	Member
11.	Dr. K. N. Subramanya	Principal - R V College of Engineering, Bengaluru	Member
12.	Dr. K. Swaminathan	Commission (UGC) Nominee	Member
13.	AICTE Nominee	Council (AICTE) Nominee	Member
14.	DTE Nominee	State Government Nominee	Member
15.	Sri Sagar Nidvani	University (VTU) Nominee & Executive Council Member, VTU	Member
16.	Dr. Manjunatha	Principal, NHCE	Ex-Officio Member Secretary

Agenda

Section I - Reading and Recording Item	
I. 1	Review and approval of Minutes of previous GCM (21st Governing Council Meeting held on 17.10.2024)
Section II - Approval Items	
II. 1	Action Taken Report on the 21st Governing Council Meeting held on 17.10.2024
II. 2	Approval of Scheme of Study for UG & PG Programs for AY 2024-25
II. 3	Approval of Renovation and Infrastructure allotment for AY 2024-25
II. 4	Approval for the Calendar of Events for Even Sem 2024-25
II. 5	Approval for the faculty appointments for AY 2024-25
II. 6	Approval for the Proposed department Budget for AY 2024-25
Section III - Information Item	
III. 1	Review on NBA & NAAC Accreditation status
III. 2	Review on R&D activities AY 2024-25
III. 3	Review on Result Analysis AY 2024-25
III. 4	Review on Placement Status, Centre of Excellence Skill Enhancement Programs for AY 2024-25
III. 5	Review on Faculty enrolled for workshops/ seminars, MOOC, in-house and external Conferences, Seminars conducted
III. 6	Review on New Horizon Council for Innovation Incubation & Entrepreneurship activities and progress (NHCIIE) AY 2024-25
III. 7	Report on Sports Achievements AY 2024-24
III. 8	NIRF Ranking 2024 and Strategic Plan 2025

Minutes of Meeting (MoM)

SECTION I – READING AND RECORDING ITEM

I.1 Review and approval of Minutes of previous GCM (21th Governing Council Meeting held on 17.10.2024)

The Member Secretary presented the minutes of the previous Governing Council Meeting.

The Council reviewed the document and approved it without modifications.

Resolution: Minutes of the previous meeting were approved unanimously.

SECTION II – APPROVAL ITEMS

II.1 Action Taken Report on the 20th Governing Council Meeting held on 17.10.2024

The Action Taken Report (ATR) was presented highlighting completed tasks related to academic operations, infrastructure, staffing, and accreditation activities.

The Council expressed satisfaction with compliance.

Resolution: ATR approved.

II.2 Approval of Scheme of Study for UG & PG Programs for AY 2024-25

The revised Schemes of Study aligned with NEP 2020, VTU guidelines, and industry requirements were presented.

Council appreciated the inclusion of skill-based and interdisciplinary courses.

Resolution: Scheme of Study approved for implementation from AY 2024-25.

II.3 Approval of Renovation and Infrastructure allotment for AY 2024-25

The Council reviewed financial estimates and approved the infrastructure plan.

Resolution: Approved as per proposed budget.

II.4 Approval for the Calendar of Events for Even Sem 2024-25

The academic calendar outlining commencement dates, assessments, practical exams, semester-end examinations, holidays, and institutional events was presented.

Resolution: Calendar of Events approved for circulation.

II.5 Approval for the faculty appointments for AY 2024-25

Department-wise staffing requirements, workload distribution, and proposed faculty recruitment list were reviewed.

Resolution: Faculty appointments approved as proposed.

II.6 Approval for the Proposed Department Budget for AY 2024-25

Budget proposals from each department covering consumables, equipment, workshops, seminars, and training programs were presented.

Resolution: Budget approved with recommendations to optimize expenditure.

SECTION III – INFORMATION ITEMS

III.1 Review on NBA & NAAC Accreditation status

The IQAC provided updates on documentation, compliance status, internal audits, and preparation for upcoming accreditations.

Observation: Good progress

III.2 Review on R&D activities AY 2024-25

Highlights included:

Number of publications in SCI/Scopus journals

Patents filed and granted

Ongoing funded projects

Faculty research initiatives

Action: Increase proposals for external funding; encourage interdepartmental research.

III.3 Review on Result Analysis AY 2024-25

Presented IA and Semester-End Examination performance.

Departments identified slow learners and corrective action plans.

Action: Strengthen remedial teaching, mentoring, and continuous assessment strategies.

III.4 Review on Placement Status, Centre of Excellence & Skill Enhancement Programs AY 2024-25

Placement statistics, internship participation, and training outcomes were presented.

Council appreciated COE activities and industry collaborations.

Action: Enhance domain-specific training and increase industry partnerships.

III.5 Review on Faculty enrolled for workshops/seminars, MOOC, in-house & external conferences

Faculty development participation improved significantly.

Council emphasized continuous professional development.

Action: Mandate FDP/MOOC completion for all faculty each semester.

III.6 Review on New Horizon Council for Innovation Incubation & Entrepreneurship (NHCIIE) – AY 2024-25

Presented:

Start-ups incubated

Student innovation projects

IIC activities

Achievements in national competitions

Action: Strengthen pre-incubation training and expand mentor network.

III.7 Report on Sports Achievements AY 2024-25

Students achieved distinctions in VTU, state, and national-level events.

Council congratulated the Physical Education Department.

Action: Provide additional support for training and fitness facilities.

III.8 NIRF Ranking 2024 and Strategic Plan 2025

NIRF performance metrics were reviewed.

Council recommended strategic actions to improve ranking, including:

Research enhancement

Industry linkage strengthening

Academic quality upgrades

Action: Implement NIRF improvement plan immediately.

OTHER POINTS DISCUSSED – Suggestions / Feedback

Members suggested improvements in academic monitoring, campus digitalization, student counselling systems, and faculty research incentives.

MEETING CONCLUSION

The Chairperson thanked all members for their contributions.

The meeting concluded with approval of all agenda items.

NEW HORIZON COLLEGE OF ENGINEERING

B. E. in _____

Scheme of Teaching and Examinations for 2023- 2027 BATCH (2022 Scheme)

III 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	BSC	22MAC31/ 22MAE31		BS	3	0	0	0	3	3	50	50	100
2	PCC	22XXX32		XX	3	0	0	0	3	3	50	50	100
3	PCCL	22XXL32		XX	0	0	1	0	1	2	50	50	100
4	PCC	22XXX33		XX	3	0	0	0	3	3	50	50	100
5	PCCL	22XXL33		XX	0	0	1	0	1	2	50	50	100
6	ESC	22XXX34X	ESC/ ETC/ PLC (2:0:1:0)	XX	3	0	0	0	3	3	50	50	100
7	AEC	22XXX35X	Ability Enhancement Course – III	XX	If the course is a Theory						50	50	100
					1	0	0	0	1	1			
					If the course is a Laboratory								
					0	0	1	0	1	2			
8	BSC	22BIK36	Bio Inspired Design and Innovation	Any Dept	3	0	0	0	3	3	50	50	100
9	UHV	22SCK37	Social Connect and Responsibility	Any Dept	0	0	1	0	1	2	50	--	50
		OR											
		22UHK37	Universal Human Values and Life Skills	Any Dept	1	0	0	0	1	2	50	50	100
10	NCMC	22NSS30	National Service Scheme	NSS coordinator	0	0	0	0	0	2	50	--	50
		22PED30	Physical Education and Sports	Physical Education Director									
		22YOG30	Yoga	Yoga Teacher									
Total									19	24/25	450	400/ 450	900 / 950
11	NCMC	22DMAT31*	Basic Applied Mathematics -I	BS	0	0	0	0	0	2	50	--	50

11	NCMC	22DMAT31*	Basic Applied Mathematics -I	BS	0	0	0	0	0	2	50	--	50
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Shandhi
5/6/24

Mayank
5/6/2024

BSC: Basic Science Course, **PCC:** Professional Core Course, **PCCL:** Professional Core Course laboratory, **UHV:** Universal Human Value Course, **NCMC:** Non-Credit Mandatory Course, **AEC:** Ability Enhancement Course, **L:** Lecture, **T:** Tutorial, **P:** Practical **S:** **SDA:** Self Study for Skill Development, **K:** This letter in the course code indicates common to all the stream of engineering. **ESC:** Engineering Science Course, **ETC:** Emerging Technology Course, **PLC:** Programming Language Course, **CIE:** Continuous Internal Evaluation, **SEE:** Semester End Evaluation

22DMAT311*: This non-credit mandatory course to be offered with only CIE and no SEE to Lateral entry students.

Engineering Science Course / Emerging Technology Course / Programming Language Course (ESC/ETC/PLC)			
22XXX341		22XXX344	
22XXX342		22XXX345	
22XXX343		22XXX346	If department wants add new course

Ability Enhancement Course – III (For IT allied Branches, all are Laboratory Courses 0-0-1-0) (Other branches can have 1-0-0-0 or 0-0-1-0)			
22XXX351		22XXX354	
22XXX352		22XXX355	
22XXX353		22XXX356	If department wants add new course

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

Credit Definition:

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 2-hours Practical / Drawing (P) per week=1Credit
 2-hous Self Study for Skill Development (SDA)
 per week = 1 Credit

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

Mangalika
 5/6/2024

NEW HORIZON COLLEGE OF ENGINEERING

B. E. in _____

Scheme of Teaching and Examinations for 2023- 2027 BATCH (2022 Scheme)

IV 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	BSC	22MAC41/ 22MAE41		BS	3	0	0	0	3	3	50	50	100
2	PCC	22XXX42		XX	3	0	0	0	3	3	50	50	100
3	PCCL	22XXL42		XX	0	0	1	0	1	2	50	50	100
4	PCC	22XXX43		XX	3	0	0	0	3	3	50	50	100
5	PCCL	22XXL43		XX	0	0	1	0	1	2	50	50	100
6	PCC	22XXX44		XX	3	0	0	0	3	3	50	50	100
7	PCCL	22XXL44		XX	0	0	1	0	1	2	50	50	100
8	ESC	22XXX45X	ESC/ETC/PLC (2:0:1:0)	XX	3	0	0	0	3	3	50	50	100
9	AEC	22XXX46X	Ability Enhancement Course – IV	XX	If the course is a Theory						50	50	100
					1	0	0	0	1	1			
					If the course is a Laboratory								
10	UHV	22UHK47	Universal Human Values and Life Skills	Any Dept	1	0	0	0	1	2	50	50	100
		OR											
		22SCK47	Social Connect and Responsibility	Any Dept	0	0	1	0	1	2	50	–	50
11	PROJ	22XXX48	Mini Project	XX	0	0	1	0	1	0	50	50	100
12	NCMC	22NSS40	National Service Scheme	NSS coordinator	0	0	0	0	0	2	50	--	50
		22PED40	Physical Education and Sports	Physical Education Director									
		22YOG40	Yoga	Yoga Teacher									
Total									21	26/27	600	500/ 450	1100/ 1050
13	NCMC	22DMAT41*	Basic Applied Mathematics-II	BS	0	0	0	0	0	2	50	--	50

Chandni
5/6/24

Mangrath
5/6/2024 Page 3 of 5

BSC: Basic Science Course, **PCC:** Professional Core Course, **PCCL:** Professional Core Course laboratory, **UHV:** Universal Human Value Course, **NCMC:** Non-Credit Mandatory Course, **AEC:** Ability Enhancement Course, **PROJ:** Mini Project work, **L:** Lecture, **T:** Tutorial, **P:** Practical **S:** SDA: Self Study for Skill Development, **K:** This letter in the course code indicates common to all the stream of engineering. **ESC:** Engineering Science Course, **ETC:** Emerging Technology Course, **PLC:** Programming Language Course, **CIE:** Continuous Internal Evaluation, **SEE:** Semester End Evaluation.

22DMAT41*: This non-credit mandatory course to be offered with only CIE and no SEE to Lateral entry students.

Engineering Science Course / Emerging Technology Course / Programming Language Course (ESC/ETC/PLC)			
22XXX451		22XXX454	
22XXX452		22XXX455	
22XXX453		22XXX456	If department wants add new course

Ability Enhancement Course – IV (For IT allied Branches, all are Laboratory Courses 0-0-1-0) (Other branches can have 1-0-0-0 or 0-0-1-0)			
22XXX461		22XXX464	
22XXX462		22XXX465	
22XXX463		22XXX466	If department wants add new course

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

- (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:

(i) **Single discipline:** The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two faculty members of the Department, one of them being the Guide. The CIE marks awarded for the Mini-project work shall be based on the evaluation of the project report, project presentation skill, and question and answer session in the ratio of 50:25:25. The marks awarded for the project report shall be the same for all the batches mates.

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

The CIE marks awarded for the Mini-project, shall be based on the evaluation of the project report, project presentation skill, and 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 batch mates

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

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Manjith
 5/6/2024

NEW HORIZON COLLEGE OF ENGINEERING

B. E. in _____

Scheme of Teaching and Examinations for 2022- 2026 BATCH (2022 Scheme)

V 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	HSMS	22XXX51	Please refer the guidelines	XX	3	0	0	0	3	3	50	50	100
2	PCC	22XXX52		XX	3	0	0	0	3	3	50	50	100
3	PCCL	22XXL52		XX	0	0	1	0	1	2	50	50	100
4	PCC	22XXX53		XX	3	0	0	0	3	3	50	50	100
5	PCCL	22XXL53		XX	0	0	1	0	1	2	50	50	100
6	PEC	22XXX54X	Professional Elective Course-I	XX	3	0	0	0	3	3	50	50	100
7	AEC	22RMK55	Research Methodology and IPR	XX	2	0	0	0	2	2	50	50	100
8	AEC	22SDK56	Critical and Creative Thinking Skills	XX	0	0	1	0	1	2	50	--	50
9	UHV	22ESK57	Environmental Studies	Any Dept	1	0	0	0	1	1	50	50	100
10	PROJ	22XXX58	Mini Project	XX	0	0	1	0	1	0	50	50	100
11	NCMC	22NSK50	National Service Scheme (NSS)	NSS coordinator	0	0	0	0	0	2	50	--	50
		22PEK50	Physical Education (PE) (Sports and Athletics)	Physical Education Director									
		22YOK50	Yoga	Yoga Teacher									
Total									19	23	550	450	1000

Chandni
5/6/24.Mayanthu
5/6/2024.

PCC: Professional Core Course, **PCCL:** Professional Core Course laboratory, **UHV:** Universal Human Value Course, **NCMC:** Non-Credit Mandatory Course, **AEC:** Ability Enhancement Course, **PEC:** Professional Elective Course, **PROJ:** Mini Project work **L:** Lecture, **T:** Tutorial, **P:** Practical **S:** SDA: Self Study for Skill Development, **CIE:** Continuous Internal Evaluation, **SEE:** Semester End Evaluation

Professional Elective Course-I			
22XXX541		22XXX544	
22XXX542		22XXX545	
22XXX543			

22XXX51(HSMS)- This course must be pertaining to economics and management of the concerned degree program. The course syllabus should have both economics and management topics and the course title should bear the word Management.

For IT allied Branches: Software Product Management

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

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

- (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:

(i) **Single discipline:** The CIE marks shall be awarded by a committee consisting of the Head of the concerned Department and two faculty members of the Department, one of them being the Guide. The CIE marks awarded for the Mini-project work shall be based on the evaluation of the project report, project presentation skill, and question and answer session in the ratio of 50:25:25. The marks awarded for the project report shall be the same for all the batches mates.

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

The CIE marks awarded for the Mini-project, shall be based on the evaluation of the project report, project presentation skill, and

May 16/2024

Scheme General Structure

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 batch mates.

Professional Elective Courses (PEC): A professional elective (PEC) course is intended to enhance the depth and breadth of educational experience in the Engineering and Technology curriculum. Multidisciplinary courses can be added to supplement the latest trend and advanced technology in the selected stream of engineering.

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

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2-hours Practical / Drawing (P) per week=1Credit
2-hous Self Study for Skill Development (SDA) per week
= 1 Credit

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

May 16/2024

NEW HORIZON COLLEGE OF ENGINEERING

B. E. in _____

Scheme of Teaching and Examinations for 2022- 2026 BATCH (2022 Scheme)

VI 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	22XXX61		XX	3	0	0	0	3	3	50	50	100
2	PCCL	22XXL61		XX	0	0	1	0	1	2	50	50	100
3	PCC	22XXX62		XX	3	0	0	0	3	3	50	50	100
4	PCCL	22XXL62		XX	0	0	1	0	1	2	50	50	100
5	PCC	22XXX63		XX	3	0	0	0	3	3	50	50	100
6	PEC	22XXX64X	Professional Elective Course-II	XX	3	0	0	0	3	3	50	50	100
7	PROJ	22XXX65	Project Phase-I	XX	0	0	2	0	2	0	50	50	100
8	AEC	22SDK66	Problem Solving Skills	XX	0	0	1	0	1	2	50	--	50
9	AEC	22XXX67X	Ability Enhancement Course – V	XX	If the course is a Theory						50	50	100
					1	0	0	0	1	1			
					If the course is a laboratory								
					0	0	1	0	1	2			
10	OEC	23NHOP6XX	Industrial Open Elective Course-I	Offering Dept.	3	0	0	0	3	3	50	50	100
11	NCMC	22NSK60	National Service Scheme (NSS)	NSS coordinator	0	0	0	0	0	2	50	--	50
		22PEK60	Physical Education (PE) (Sports and Athletics)	Physical Education Director									
		22YOK60	Yoga	Yoga Teacher									
Total									21	24/25	550	450	1000

Abhandhi
5/6/24.

May 16/2024

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

Professional Elective Course-II			
22XXX641		22XXX644	
22XXX642		22XXX645	
22XXX643			

Ability Enhancement Course – V			
22XXX671		22XXX674	
22XXX672		22XXX675	
22XXX673			

Industrial Open Elective Courses-I:

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 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 the branches. Registration to Industrial open electives shall be documented and monitored on college level.

Project Phase-I: Students have to discuss with the mentor /guide and with their help he/she has to complete the literature survey and prepare the report and finally define the problem statement for the project work.

Professional Elective Courses (PEC): A professional elective (PEC) course is intended to enhance the depth and breadth of educational experience in the Engineering and Technology curriculum. Multidisciplinary courses can be added to supplement the latest trend and

advanced technology in the selected stream of engineering.

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

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

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May 16/2024

NEW HORIZON COLLEGE OF ENGINEERING

B. E. in _____

Scheme of Teaching and Examinations for 2021- 2025 BATCH (2021 Scheme)

Handwritten signature: *Shandis*
 Date: 31/5/24

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	21XXX71		XX	3	0	0	0	3	3	50	50	100
2	PCC	21XXX72		XX	3	0	0	0	3	3	50	50	100
3	PROJ	21XXX73	Project Work	XX	0	0	12	0	12	0	100	100	200
4	AEC	21XXK74	Scientific Foundations of Health	XX	1	0	0	0	1	1	50	50	100
5	OEC	23NHOP7XX	Industrial Open Elective Course-II	Offering Dept.	3	0	0	0	3	3	50	50	100
Total									22	10	300	300	600

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

NCMC	21NSS84	National Service Scheme (NSS)	NSS coordinator	<p>All students have to register for any one of the courses namely National Service Scheme, Physical Education (PE) (Sports and Athletics) and Yoga with the concerned coordinator of the course during the first week of V semester. The activities shall be carried out from (for 4 semesters) between V semester to VIII semester.</p> <p>SEE in the above courses shall be conducted during VIII semester examinations and the accumulated CIE marks shall be added to the SEE marks.</p> <p>Successful completion of the registered course is mandatory for the award of the degree.</p> <p>The events shall to be reflected in the calendar prepared for the NSS, PE and Yoga activities.</p>
	21PES84	Physical Education (PE) (Sports and Athletics)	Physical Education Director	
	21YOG84	Yoga	Yoga Teacher	

Scheme General Structure

Industrial Open Elective Course (OEC): 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 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 the branches. Registration to Industrial open electives shall be documented and monitored on college level.

Project Work:

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

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.

The CIE marks awarded for the project work, shall be based on the evaluation of the project work Report, project presentation skill, and 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 batch mates.

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

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

Credit Definition:

1-hour Lecture (L) per week=1Credit
2-hours Tutorial (T) per week=1Credit
2-hours Practical / Drawing (P) per week=1Credit
2-hous Self Study for Skill Development (SDA) per week = 1 Credit

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

NEW HORIZON COLLEGE OF ENGINEERING**B. E. in _____****Scheme of Teaching and Examinations for 2021- 2025 BATCH (2021 Scheme)**

VIII Semester													
S. No.	Course and Course Code		Course Title	BoS	Credit Distribution				Overall Credits	Contact Hours	CIE	SEE	Total
					L	T	P	S					
1	PEC	21XXX81X	Professional Elective Course-III	XX	3	0	0	0	3	3	50	50	100
2	SEM	21XXX82	Technical Seminar	XX	0	0	1	0	1	0	50	-	50
3	INT	21XXX83	Research Internship/ Industry Internship /Rural Internship	XX	0	0	12	0	12	0	100	100	200
4	NCMC	21NSS84	National Service Scheme (NSS)	NSS coordinator	0	0	0	0	0	0	50	50	100
		21PES84	Physical Education (PE) (Sports and Athletics)	Physical Education Director									
		21YOG84	Yoga	Yoga Teacher									
Total									16	3	250	200	450

NMC: Non-Credit Mandatory Course, **AEC:** Ability Enhancement Course, **SEM:** Seminar, **INT:** Industry Internship / Research Internship / Rural Internship, **L:** Lecture, **T:** Tutorial, **P:** Practical **S:** SDA: Self Study for Skill Development, , **CIE:** Continuous Internal Evaluation, **SEE:** Semester End Evaluation.

Professional Elective Course-3			
21XXX811		21XXX814	
21XXX812		21XXX815	
21XXX813			

Scheme General Structure

Elucidation:

Research/Industry Internship shall be carried out at an Industry, NGO, MSME, Innovation center, Incubation center, Start-up, center of Excellence (CoE), Study Centre established in the parent institute and /or at reputed research organizations/institutes.

The mandatory Research internship /Industry internship / Rural Internship is for **24 weeks**. The internship shall be considered as a head of passing and shall be considered 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 subsequent SEE examination after satisfying the internship requirements.

Research internship: A research internship is intended to offer the flavor of current research going on in the research field. It helps students get familiarized with the field and imparts the skill required for carrying out research.

Industry internship: Is an extended period of work experience undertaken by students to supplement their degree for professional 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 practical constraints.

The faculty coordinator or mentor has to monitor the student's internship progress and interact with them to guide for the successful completion of the internship.

The students are permitted to carry out the internship anywhere in India or abroad. University shall not bear any expenses incurred in respect of the internship.

With the consent of the internal guide and Principal of the Institution, students shall be allowed 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.

Non – credit mandatory courses (NCMC):

National Service Scheme/ Physical Education (Sport and Athletics)/ Yoga:

(1)Securing 40 % or more in CIE,35 % or more marks in SEE and 40 % or more in the sum total of CIE + SEE leads to successful completion of the registered course.

(2)In case, students fail to secure 35 % marks in SEE, they has to appear for SEE during the subsequent examinations conducted by the University.

(3)In case, any student fails to register for NSS, PE or Yoga / fails to secure the minimum 40 % of the prescribed CIE marks, he/she shall be deemed to have not completed the requirements of the course. In such a case, the student has to fulfill the course requirements during subsequently to earn the qualifying CIE marks subject to the maximum programme period.

(4)Successful completion of the course shall be indicated as satisfactory in the grade card. Non-completion of the course shall be indicated as Unsatisfactory.

(5)These courses shall not be considered for vertical progression as well as for the calculation of SGPA and CGPA, but completion of the courses shall be mandatory for the award of degree.

Scheme General Structure

TECHNICAL SEMINAR (21XXX81): The objective of the seminar is to inculcate self-learning, present the seminar topic confidently, enhance communication skill, involve in group discussion for exchange of ideas. Each student, under the guidance of a Faculty, shall choose, preferably, a recent topic of his/her interest relevant to the programme of specialization.

- (i) Carry out literature survey, systematically organize the content.
- (ii) Prepare the report with own sentences, avoiding a cut and paste act.
- (iii) Type the matter to acquaint with the use of Micro-soft equation and drawing tools or any such facilities.
- (iv) Present the seminar topic through PowerPoint slides.
- (v) Answer the queries and involve in debate/discussion.
- (vi) Submit a typed report with a list of references.

The participants shall take part in the discussion to foster a friendly and stimulating environment in which the students are motivated to reach high standards and become self-confident.

Evaluation Procedure:

The CIE marks for the seminar shall be awarded (based on the relevance of the topic, presentation skill, participation in the question-and-answer session, and quality of report) by the committee constituted for the purpose by the Head of the Department. The committee shall consist of three teachers from the department with the senior-most acting as the Chairman.

Marks distribution for CIE of the course:

Seminar Report: 25 marks

Presentation skill: 10 marks

Technical Paper Publication: 15 marks.

Anandhi
31/05/2024.

Mayur



SCHEME OF TEACHING AND EXAMINATIONS OF I SEMESTER BE (EFFECTIVE FROM THE AY 2024-25)

AIML/ ECE/DS/ME										Chemistry Cycle			
S. No.	Course and Course Code		Course Title	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
					L	T	P	S			CIE	SEE	Total
1	ASC	24MAT11	Applied Mathematics for Engineers – I	AS	2	1	1	0	4	2+2+2	50	50	100
2	ASC	24CHE12	Applied Chemistry for Engineers	AS	3	0	1	0	4	4+2	50	50	100
3	ESC-I	24ESC13*	Engineering Science Course – I	Resp. Dept.	3	0	0	0	3	4	50	50	100
4	PLC-I	24PLC14*	Program Language Course -I	CS	2	0	1	0	3	3+2	50	50	100
5	ESC	24CAD15	Computer Aided Engineering Drawing.	ME	2	0	1	0	3	5	50	50	100
6	AEC	24ENG16	Communicative English	HSS	0	0	1	0	1	2	50	50	100
7	HSS	24CIP17	Constitution of India and Professional Ethics	HSS	1	0	0	0	1	2	50	50	100
8	AEC	24EDM18	Environment and Disaster Management	AS	1	0	0	0	1	2	50	50	100
Total									20	31	400	400	800

(ESC-I) Engineering Science Courses-I		(ETC-I) Emerging Technology Courses-I	
24ESC131	Basic Electronics	24ETC151	Robotics and Automation
24ESC132	Basic Electrical Engineering	24ETC152	Electric Vehicles
24ESC133	Basic Mechanical Engineering	24ETC153	Basic Internet of Things
24ESC134	Basic Civil Engineering	24ETC154	Drone Technology
		24ETC155	Basic Cyber Security
(PLC-I) Programming Language Courses-I		24ETC156	Nano Technology
24PLC141	Problem Solving using Python	24ETC157	Renewable Energy Sources
24PLC142	Problem Solving using C		
24PLC143	Basic Web Programming		

Dean Academics

Principal

SCHEME OF TEACHING AND EXAMINATIONS OF I SEMESTER BE (EFFECTIVE FROM THE AY 2024-25)

CSE/EEE											Physics Cycle		
S. No.	Course and Course Code		Course Title	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
					L	T	P	S			CIE	SEE	Total
1	ASC	24MAT11	Applied Mathematics for Engineers - I	AS	2	1	1	0	4	2+2+2	50	50	100
2	ASC	24PHY12	Applied Physics for Engineers	AS	3	0	1	0	4	4+2	50	50	100
3	ESC-I	24ESC13*	Engineering Science Course I	EEE	3	0	0	0	3	4	50	50	100
4	PLC-I	24PLC14*	Program Language Course -I	CS	2	0	1	0	3	3+2	50	50	100
5	ETC-I	24ETC15*	Emerging Technology Course 1	Resp. Dept.	3	0	0	0	3	4	50	50	100
6	AEC	24ENG16	Communicative English	HSS	0	0	1	0	1	2	50	50	100
7	HSS	24KSK17 / 24KBK17	Samskrutika Kannada/ Balake Kannada	HSS	1	0	0	0	1	2	50	50	100
8	AEC	24EIH18	Engineering Innovations in Health Care	AS	1	0	0	0	1	2	50	50	100
Total									20	30	400	400	800

(ESC-I) Engineering Science Courses-I		(ETC-I) Emerging Technology Courses-I	
24ESC131	Basic Electronics	24ETC151	Robotics and Automation
24ESC132	Basic Electrical Engineering	24ETC152	Electric Vehicles
24ESC133	Basic Mechanical Engineering	24ETC153	Basic Internet of Things
24ESC134	Basic Civil Engineering	24ETC154	Drone Technology
		24ETC155	Basic Cyber Security
(PLC-I) Programming Language Courses-I		24ETC156	Nano Technology
24PLC141	Problem Solving using Python	24ETC157	Renewable Energy Sources
24PLC142	Problem Solving using C		
24PLC143	Basic Web Programming		

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SCHEME OF TEACHING AND EXAMINATIONS OF II SEMESTER BE (EFFECTIVE FROM THE AY 2024-25)

CSE/EEE											Chemistry Cycle		
S. No	Course and Course Code		Course Title	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
					L	T	P	S			CIE	SEE	Total
1	ASC	24MAT21	Applied Mathematics for Engineers – II	AS	2	1	1	0	4	2+2+2	50	50	100
2	ASC	22CHE22	Applied Chemistry for Engineers	AS	3	0	1	0	4	4+2	50	50	100
3	ESC-II	24ESC23*	Engineering Science Course – II	Resp. Dept.	3	0	0	0	3	4	50	50	100
4	ESC	24CSE24	Data Structures using C	CS	2	0	0	0	2	3	50	50	100
5	ESC	24CSL24	Data Structures using C Lab	CS	0	0	1	0	1	2	50	50	100
6	ESC	22CAD25	Computer Aided Engineering Drawing	ME	1	0	2	0	3	5	50	50	100
7	AEC	24ENG26	Professional writing skills in English	HSS	1	0	0	0	1	2	50	50	100
8	HSS	24CIP27	Constitution of India and Professional Ethics	HSS	1	0	0	0	1	2	50	50	100
9	AEC	24EDM28	Environment and Disaster Management	AS	1	0	0	0	1	2	50	50	100
Total									20	31	450	450	900

(ESC-II) Engineering Science Courses-II		(ETC-II) Emerging Technology Courses-II	
24ESC231	Basic Electronics	24ETC251	Robotics and Automation
24ESC232	Basic Electrical Engineering	24ETC252	Electric Vehicles
24ESC233	Basic Mechanical Engineering	24ETC253	Basic Internet of Things
24ESC234	Basic Civil Engineering	24ETC254	Drone Technology
		24ETC255	Basic Cyber Security
		24ETC256	Nano Technology
24PLC241	Problem Solving using Python	24ETC257	Renewable Energy Sources
24PLC242	Problem Solving using C		
24PLC243	Basic Web Programming		

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SCHEME OF TEACHING AND EXAMINATIONS OF II SEMESTER BE (EFFECTIVE FROM THE AY 2024-25)

AIML/ DS /ISE/ ME											Physics Cycle		
S. No.	Course and Course Code		Course Title	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
					L	T	P	S			CIE	SEE	Total
1	ASC	24MAT21	Applied Mathematics for Engineers – II	AS	2	1	1	0	4	2+2+2	50	50	100
2	ASC	24PHY22	Applied Physics for Engineers	AS	3	0	1	0	4	4+2	50	50	100
3	ESC-II	24ESC23*	Engineering Science Course II	Resp. Dept.	3	0	0	0	3	4	50	50	100
4	ESC	24CSE24	Data Structures using C	CS	2	0	0	0	2	3	50	50	100
5	ESC	24CSL24	Data Structures using C Lab	CS	0	0	1	0	1	2	50	50	100
6	ETC-II	22ETC25*	Emerging Technology Course II	Resp. Dept.	3	0	0	0	3	4	50	50	100
7	AEC	22ENG26	Professional writing skills in English	HSS	0	0	1	0	1	2	50	50	100
8	HSS	22KSK27 / 22KBK27	Sanskritika Kannada/ Balake Kannada	HSS	1	0	0	0	1	2	50	50	100
9	AEC	24EIH18	Engineering Innovations in Health Care	AS	1	0	0	0	1	2	50	50	100
Total									20	30	450	450	900

(ESC-II) Engineering Science Courses-II		(ETC-I) Emerging Technology Courses-II	
24ESC231	Basic Electronics	24ETC251	Robotics and Automation
24ESC232	Basic Electrical Engineering	24ETC252	Electric Vehicles
24ESC233	Basic Mechanical Engineering	24ETC253	Basic Internet of Things
24ESC234	Basic Civil Engineering	24ETC254	Drone Technology
		24ETC255	Basic Cyber Security
		24ETC256	Nano Technology
		24ETC257	Renewable Energy Sources
(PLC-II) Programming Language Courses-II			
24PLC241	Problem Solving using Python		
24PLC242	Problem Solving using C		
24PLC243	Basic Web Programming		

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NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF MANAGEMENT STUDIES
SCHEME OF I SEMESTER MBA
BATCH:2024-2026

Sl. No	Course and Course Code		Course Title	BOS	Credit Distribution			Overall credit	Teaching Hours/ week	Marks		
					L	P	T/ SDA			CIE	SEE	Total
1	PCC	24MBA11	Management Principles and Organisational Behavior	MBA	3	0	0	3	3	50	50	100
2	PCC	24MBA12	Managerial Economics	MBA	4	0	0	4	4	50	50	100
3	PCC	24MBA13	Data Analysis And Decision Making	MBA	4	0	0	4	4	50	50	100
4	PCC	24MBA14	Accounting & Financial Statement Analysis	MBA	4	0	0	4	4	50	50	100
5	PCC	24MBA15	Marketing Management	MBA	4	0	0	4	4	50	50	100
6	PCC	24MBA16	Business Research Methods	MBA	3	0	0	3	3	50	50	100
7	PCC	24MBA17	Managerial Communication	HSS	1	0	0	1	1	50	50	100
8	PCC	24MBA18	Basics of Excel	MBA	1	1	0	2	3	50	50	100
9	PCC	24MBA19	Business Immersion Project	MBA	0	2	0	2	0	50	50	100
Total								27	26	450	450	900

Note:

PCC: Professional Core Course, Practical /Field Work / Assignment are part of contact hours for the faculty and must be considered in the workload. Each course carries Four credits and is designed for 50 hours of Teaching-Learning process. The teaching pedagogy may involve Case study method, Experiential learning, Presentations, Interactive lectures, Role-plays, Business games, Blended Learning, Simulations games/Hands-on experience, ICT tools, Flipped Class, Field experiments, Business Quiz/Exercises, Group

discussion, Lectures, team activities.

Societal project shall be Mandatory course, the students should identify and study problems faced by the society. The students must submit a report to the respective guides. This shall be an audit course on the lines of ability enhancement courses and shall be undertaken after the first semester and before commencement of the second semester.

Note:

1. Practical and real-life corporate results/events, cases and occurrences must be used to demonstrate the concepts in the classroom. The Time-Table allotment for each course should be 04 hrs. Practical component must be embedded in the theory classes and it is mandatory to maintain a record of all tools and cases used in teaching-learning process.
2. 20% of marks should be allocated for application-oriented questions in the SEE Question Paper, based on practical component.
3. Each course content has indicative case studies which can be dealt in the class by the course instructor. In addition to this the course instructor may use an extra case from Harvard, Sage business cases/Case Centre. One Industrial Visit per Semester is Mandatory. The Department shall insist on report submission by each student and shall maintain this as a documentary proof preferably with Geo-tagged photos. The format of the report shall be prescribed by the department.
4. The Students and course instructor/s should involve either individually or in groups to interact together to enhance the learning and application skills.
5. Practical component Students should interact with industry after regular contact hours (small, medium and large) to understand their problems and study in the form of research/testing/projects and for creative and innovative methods for guidance and to solve the identified problem.
6. The students shall (a) Gain confidence in modeling of management systems. (b) Work on different software/s (tools) to Simulate, analyze and authenticate the output to interpret and conclude. (c) Involve in case studies and field visits/ field work. (d) Accustom with the use of standards/codes etc., to narrow the gap between academia and industry. All activities should lead to enhancement of students' abilities/skills for employment and/or self-employment opportunity, management skills, statistical analysis, fiscal expertise, etc.
7. The student shall take a Business Immersion Project from the beginning of the first semester and interact with the corporate guide and faculty from the department. The student has to submit the report at the end of first semester to the department which will followed by Viva-voce.
8. Business Immersion Project are themed experiences that allows students to engage with and observe corporate leaders from various industries. The goal of Business Immersion projects is to provide insights on real-world projects and develop outside-in-thinking. It helps the students in developing communications, critical thinking and problem-solving skills,

NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF MANAGEMENT STUDIES
SCHEME OF II SEMESTER MBA
BATCH:2024-2026

Sl. No.	Course and Course Code		Course Title	BOS	Credit Distribution			Overall credit	Teaching Hours/Week	Marks		
					L	P	T/ SDA			CIE	SEE	Total
1	PCC	24MBA21	Production & Operations Management	MBA	4	0	0	4	4	50	50	100
2	PCC	24MBA22	Corporate Finance	MBA	4	0	0	4	4	50	50	100
3	PCC	24MBA23	Human Resource Management	MBA	3	0	0	3	3	50	50	100
4	PCC	24MBA24	Entrepreneurship Development	MBA	4	0	0	4	4	50	50	100
5	PCC	24MBA25	Business Ethics & Corporate governance	MBA	3	0	0	3	3	50	50	100
6	PCC	24MBA26	Corporate Interface & Professional Development	HSS	1	0	0	1	1	50	50	100
7	PCC	24MBA27	Quantitative Techniques & Operations Research	MBA	4	0	0	4	4	50	50	100
8	SEC	24MBA28	Societal Project	MBA	Audit Course without any Credits							
Total								23	23	350	350	700

Note:

PCC: Professional Core Course, SEC: Skill Enhancement Course Practical /Field Work / Assignment are part of contact hours for the faculty and must be considered in the workload. Four credit courses are designed for 50 hours Teaching – Learning process. The teaching pedagogy may involve Case study method, Experiential learning, Presentations, Interactive lectures, Role-plays, Business games, Blended Learning, Simulations games/Hands-on experience, ICT tools, Flipped Class, Field experiments, Business Quiz/Exercises, Group discussion, Lectures, team activities.

Note:

1. Practical and real-life corporate results/events, cases and occurrences must be used to demonstrate the concepts in the classroom. The Time-Table allotment for each course should be 04 hrs. Practical component must be embedded in the theory classes and it is mandatory to maintain a record of all tools and cases used in teaching-learning process
2. 20% of marks should be allocated for application-oriented questions in the SEE Question Paper, based on

practical component.

3. Each course content has indicative case studies which can be dealt in the class by the course instructor. In addition to this the course instructor may use an extra case from Harvard, Sage business cases /Case Centre.
4. One Industrial Visit per Semester is Mandatory. The Department shall insist on report submission by each student and shall maintain this as a documentary proof preferably with Geo-tagged photos. The format of the report shall be prescribed by the department.
5. Practical component: Students should interact with industry after regular contact hours or during holidays and vacations (small, medium and large) to understand their problems and study in the form of research/ testing / projects and for creative and innovative methods for guidance and to solve the identified problem.
6. Societal Project (One week) is mandatory for all the students and this has to be carried out after the second semester during vacation and the report should be submitted by the students and should be assessed internally during the third semester and it is a non-credit but mandatory course (Audit Course).
7. Internship (Seven weeks) to be carried out by the students after second semester during vacation and the report should be submitted by the students and is to be assessed internally during the third semester.

NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF MANAGEMENT STUDIES
SCHEME OF III SEMESTER MBA
BATCH:2023-2025

Sl. No	Course and Course Code		Course Title	BOS	Credit Distribution				Overall credit	Teaching Hours/ week	Marks		
					L	T	P	S			CIE	SEE	Total
1	PCC	23MBA31	Managing Digital Business	MBA	3	0	0	0	3	3	50	50	100
2	PCC	23MBA32	International Business	MBA	3	0	0	0	3	3	50	50	100
3	PEC	23MBAXX***	Elective 1	MBA	3	0	0	0	3	3	50	50	100
4	PEC	23MBAXX***	Elective 2	MBA	3	0	0	0	3	3	50	50	100
5	PEC	23MBAXX***	Elective 1	MBA	3	0	0	0	3	3	50	50	100
6	PEC	23MBAXX***	Elective 2	MBA	3	0	0	0	3	3	50	50	100
7	PCC	23MBA33	Internship	MBA	0	0	6	0	6	-	50	50	100
Total									24	18	350	350	700

Note: PCC*: Professional Core Course, PEC: Professional Elective Course, Practical /Field Work / Assignment are part of contact hours for the faculty and must be considered in the workload (Practical component hours must be conducted as regular teaching hours in the respective class rooms only). Four credit courses are designed for 50 hours Teaching – Learning process. The teaching pedagogy may involve Case study method, Experiential learning, Presentations, Interactive lectures, Role-plays, Business games, Blended Learning, Simulations games/Hands-on experience, ICT tools, Flipped Class, Field experiments, Business Quiz/Exercises, Group discussion, Lectures and team activities.

Note:

- Each Course has a theory component of 04 hrs (03credits). Practical and real-life corporate results/events, cases and occurrences must be used to demonstrate the concepts in the classroom. The Time-Table allotment for each course should be 04 hrs. Practical component must be embedded in the theory classes and it is mandatory to maintain a record of all tools and cases used in teaching –learning process
- 20% of marks should be allocated for application-oriented questions in the SEE Question Paper, based on practical component.
- One Industrial Visit per Semester is Mandatory. The Department shall insist on report submission by each student and shall maintain this as a documentary proof preferably with Geo-tagged photos. The format of the report shall be prescribed by the department.
- Each course content has indicative case studies which can be dealt in the class by the course instructor. In addition to this the course instructor may use an extra case from Harvard, Sage Business Cases/Case Centre.
- Internship (Six weeks) to be carried out by the students after second semester during vacation and the report should be submitted by the students and is to be assessed internally during the third semester.

6. Societal Project (one week) is mandatory for all the students and this has to be carried out after the second semester during vacation and the report should be submitted by the students and should be assessed internally during the third semester and it is a non-credit but mandatory course (Audit Course).
7. Students should compulsorily register for the MOOC Course (NPTEL Swayam) during 3rd semester and attend the exam and submit the certificate. The evaluation will be carried out during fourth semester.

Sl No	Marketing Elective	Code		Sl No	Finance Elective	Code
1	Consumer Behavior in Digital Age	23MBAMM331		1	Investment Management	23MBAFM341
2	Sales and Distribution Management	23MBAMM332		2	Application of AI in Fintech Services & Products	23MBAFM342
3	Retail Management	23MBAMM333		3	Advanced Financial Management	23MBAFM343
4	Product Management	23MBAMM334		4	Direct & Indirect Taxation	23MBAFM344
Sl No	HR Elective	Code		Sl No	Logistics & Supply Chain Management	Code
1	Human Resource Metrics and Analytics	23MBAHR321		1	Sustainable Operations	23MBALS351
2	Employment Relation Laws	23MBAHR322		2	Innovations in Total Quality Management	23MBALS352
3	Diversity, Equity & Inclusivity	23MBAHR323		3	Service Operations Management	23MBALS353
4	International Human Resources Management	23MBAHR324		4	Lean Operation Management	23MBALS354

Sl No	Artificial Intelligence & Data Science	Code
1	Python Programming for Business Managers	23MBADS311
2	Introduction to Structured Query Language	23MBADS312
3	Generative AI in Data Analytics for Managers	23MBADS313
4	Machine Learning in Management	23MBADS314

NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF MANAGEMENT STUDIES
SCHEME OF IV SEMESTER MBA
BATCH:2023-2025

Sl. No	Course and Course Code		Course Title	BOS	Credit Distribution				Over all credit	Teach ing Hours / week	Marks		
					L	T	P	S			CIE	SEE	Total
1	PCC	23MBA41	Indian Ethos in Management	MBA	4	0	0	0	4	4	50	50	100
2	PEC	23MBAXX***	Elective 1	MBA	3	0	0	0	3	3	50	50	100
3	PEC	23MBAXX***	Elective 2	MBA	3	0	0	0	3	3	50	50	100
4	PEC	23MBAXX***	Elective 1	MBA	3	0	0	0	3	3	50	50	100
5	PEC	23MBAXX***	Elective 2	MBA	3	0	0	0	3	3	50	50	100
6	PCC	23MBA43	Dissertation	MBA	0	0	10	0	10	-	50	50	100
7	AUD	23AUD44*	AUD	AUD	0	0	4	0	Classes & Evaluation procedures are as per the policy of the online course providers				
Total									26	16	300	300	600

Note: PCC*: Professional Core Course, PEC: Professional Elective Course, Field Work / Assignment are part of contact hours for the faculty and must be considered in the workload (Practical component hours must be conducted as regular teaching hours in the respective class rooms only. Three credit courses are designed for 40 hours Teaching – Learning process. The teaching pedagogy may involve Case study method, Experiential learning, Presentations, Interactive lectures, Role-plays, Business games, Blended Learning, Simulations games/Hands-on experience, ICT tools, Flipped Class, Field experiments, Business Quiz/Exercises, Group discussion, Lectures and team activities.

Note:

1. 20% of marks should be allocated for application-oriented questions in the SEE Question Paper, based on practical component.
2. One Industrial Visit per Semester is Mandatory. The Department shall insist on report submission by each student and shall maintain this as a documentary proof. The format of the report shall be prescribed by the department.
3. Each course content has indicative case studies which can be dealt in the class by the course instructor. In addition to this the course instructor may use an extra case from Harvard, Sage Business Cases/Case Centre.
4. Dissertation -23MBA43 (twelve weeks) to be carried out by students after third semester and the report should be submitted by the students during the fourth semester and is to be assessed internally during the fourth semester.

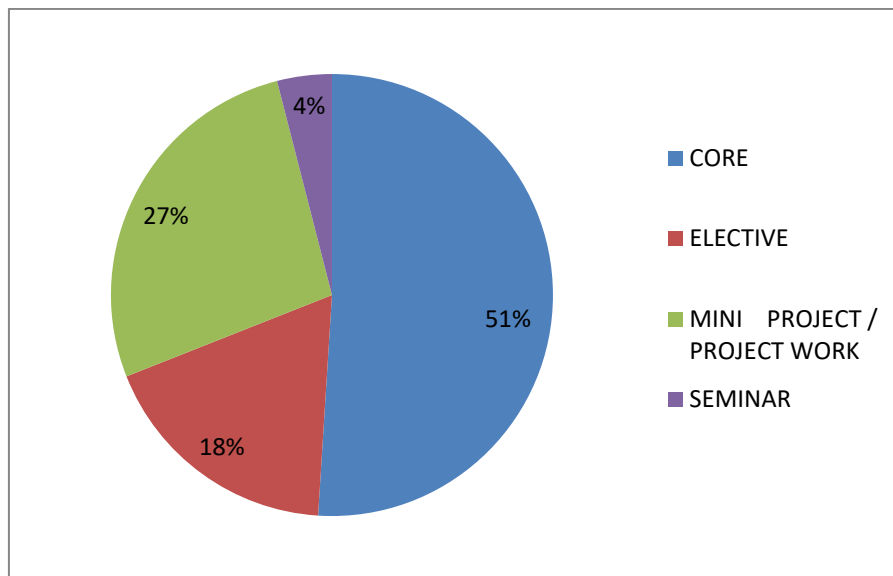
Sl No	Marketing Elective	Code		Sl No	Finance Elective	Code
1	Artificial Intelligence Tools in Digital Marketing	23MBAMM431		1	International Financial Management	23MBAFM441
2	Services Marketing	23MBAMM432		2	Commercial Bank Management	23MBAFM442
3	Marcomms @ Work	23MBAMM433		3	Forex & Treasury Management	23MBAFM443
4	B2B Marketing	23MBAMM434		4	Financial Derivatives & Risk Management	23MBAFM444

Sl No	HR Elective	Code		Sl No	Logistics & Supply Chain Management	Code
1	AI – Enhanced HR	23MBAHR421		1	Supply Chain Analytics	23MBALS451
2	Leadership in Artificial Intelligence Era	23MBAHR422		2	Business Process Improvement	23MBALS452
3	Organization Design & Development	23MBAHR423		3	Project Management Essentials	23MBALS453
4	Managing Career Success & Transition	23MBAHR424		4	Materials Management	23MBALS454

Sl No	Artificial Intelligence & Data Science	Code
1	Data Visualization Using Tableau and Story Telling	23MBADS411
2	Statistical Modeling Using R	23MBADS412
3	Text and Social Media Analytics	23MBADS413
4	Predictive Analytics Using Artificial Intelligence	23MBADS414

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS
MCA DEGREE CURRICULUM – COURSE CREDIT STRUCTURE
ACADEMIC YEAR 2024-2025: SEMESTER I TO IV

SEMESTER	CORE	ELECTIVE	MINI PROJECT / PROJECT WORK	SEMINAR	TOTAL CREDITS
I	25	0	0	0	25
II	17	6	2	0	25
III	9	6	8	2	25
IV	0	6	17	2	25
TOTAL	51	18	27	4	100
% of Distribution	51%	18%	27%	4%	100%



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS
SCHEME OF FIRST SEMESTER MCA PROGRAM
AY 2024-25

S N O	BOARD / COURSE	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				OVERALL CREDITS	CONTACT HOURS WEEKLY (THEORY)	MARKS		
					L	T	P	S			CIE	SEE	TOTAL
1	AS/BSC	24MATC11	COMPUTATIONAL MATHEMATICS	MCA	3	1	0	0	4	5	50	50	100
2	MCA/PCC	24MCA12	PROGRAMMING AND PROBLEM SOLVING WITH C	MCA	3	0	0	0	3	3	50	50	100
3	MCA/PCC	24MCA13	OBJECT ORIENTED PROGRAMMING WITH JAVA	MCA	3	0	0	0	3	3	50	50	100
4	MCA/PCC	24MCA14	SOFTWARE ENGINEERING AND TESTING	MCA	3	0	0	0	3	3	50	50	100
5	MCA/IPCC	24MCA15	LINUX OPERATING SYSTEM AND SHELL SCRIPTING	MCA	3	0	1	0	4	5	50	50	100
6	MCA/IPCC	24MCA16	DATA BASE MANAGEMENT SYSTEMS	MCA	3	0	1	0	4	5	50	50	100
7	MCA/PCCL	24MCAL17	PROGRAMMING WITH C LAB	MCA	0	0	1.5	0	1.5	3	50	50	100
8	MCA/PCCL	24MCAL18	PROGRAMMING WITH JAVA LAB	MCA	0	0	1.5	0	1.5	3	50	50	100
9	LS/AEC	22HSSC19	LIFE SKILLS FOR PROFESSIONALS -1	MCA	1	0	0	0	1	2	50	50	100
TOTAL					19	1	5	0	25	32	450	450	900
L -Lecture (1 hour), T- Tutorial/Skill Development Activities (2 hours), P-Practical (2 hours), S-Self Study (hours – Nil) *Selected online courses will be given as per BOS recommendation. *PCC- Professional Core. IPCC-Integrated Professional Core Courses (No SEE for lab component only CIE), PCCL- Professional Core Lab, AEC- Ability Enhancement Course. *BoS recommended certified online courses is offered in 4 th semester													

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS
SCHEME OF SECOND SEMESTER MCA PROGRAM
AY 2024-25

S NO	BOARD/ COURSE	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				OVERALL CREDITS	CONTACT HOURS WEEKLY (THEORY)	MARKS		
					L	T	P	S			CIE	SEE	TOTAL
1	MCA/PCC	24MCA21	DATA STRUCTURES	MCA	3	0	0	0	3	3	50	50	100
2	MCA/PCC	24MCA22	ADVANCED JAVA AND ENTERPRISE ARCHITECTURE	MCA	3	0	0	0	3	3	50	50	100
3	MCA/PCC	24MCA23	DESIGN AND ANALYSIS OF ALGORITHMS	MCA	2	1	0	0	3	4	50	50	100
4	MCA/IPCC	24MCA24	COMPUTER NETWORKS	MCA	3	0	1	0	4	5	50	50	100
5	MCA/PEC	24MCA25X	PROFESSIONAL ELECTIVES-1	MCA	2	1	0	0	3	4	50	50	100
6	MCA/PEC	24MCA26X	PROFESSIONAL ELECTIVES-2	MCA	0	1	2	0	3	6	50	50	100
7	MCA/PCCL	24MCAL27	DATA STRUCTURES AND ALGORITHMS LAB	MCA	0	0	1.5	0	1.5	3	50	50	100
8	MCA/PCCL	24MCAL28	ADVANCED JAVA LAB	MCA	0	0	1.5	0	1.5	3	50	50	100
9	MCA/MP	24MCAL29	MINI PROJECT USING JAVA AND DBMS	MCA	0	0	2	0	2	-	50	50	100
10	LS/AEC	22HSSC210	LIFE SKILLS FOR PROFESSIONALS -2	MCA	1	0	0	0	1	2	50	50	100
TOTAL					14	3	8	0	25	33	500	500	1000
L -Lecture (1 hour), T- Tutorial/ Skill Development Activities (2 hours), P-Practical (2 hours), S-Self Study (hours – Nil) *Selected online courses MCA/PCC will be given as per BOS recommendation. *PCC- Professional core. IPCC- Integrated Professional Core Courses (No SEE for lab component only CIE), MP- Mini Project, PEC- Professional Elective Courses.													
*BoS recommended certified online courses is offered in 4 th semester													

PROFESSIONAL ELECTIVES-1								
SNO	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				TOTAL
				L	T	P	S	
1	24MCA251	CLOUD COMPUTING	MCA	2	1	0	0	3
2	24MCA252	CYBER SECURITY AND CYBER LAW	MCA	2	1	0	0	3
3	24MCA253	CRYPTOGRAPHY AND NETWORK SECURITY	MCA	2	1	0	0	3
4	24MCA254	ARTIFICIAL INTELLIGENCE	MCA	2	1	0	0	3
5	24MCA255	USER INTERFACE AND USER EXPERIENCE DESIGN	MCA	2	1	0	0	3

PROFESSIONAL ELECTIVES-2								
SNO	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				TOTAL
				L	T	P	S	
1	24MCA261	BUSINESS INTELLIGENCE AND DATA ANALYTICS	MCA	0	1	2	0	3
2	24MCA262	ASP .NET WITH C#	MCA	0	1	2	0	3
3	24MCA263	MOBILE APPLICATION DEVELOPMENT	MCA	0	1	2	0	3
4	24MCA264	NON RELATIONAL DATABASES (NoSQL)	MCA	0	1	2	0	3

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS
SCHEME OF THIRD SEMESTER MCA PROGRAM
AY 2024-25

S N O	BOARD/ COURSE	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				OVERALL CREDITS	CONTACT HOURS WEEKLY (THEORY)	MARKS		
					L	T	P	S			CIE	SEE	TOTAL
1	MCA/PCC	22MCA31	MACHINE LEARNING	MCA	3	0	0	0	3	3	50	50	100
2	MCA/PCC	22MCA32	FULL STACK DEVELOPMENT	MCA	3	0	0	0	3	3	50	50	100
3	MCA/PEC	22MCA33X	PROFESSIONAL ELECTIVES - 3	MCA	3	0	0	0	3	3	50	50	100
4	MCA/PEC	22MCA34X	PROFESSIONAL ELECTIVES - 4	MCA	3	0	0	0	3	3	50	50	100
5	MCA/PCCL	22MCAL35	MACHINE LEARNING LAB USING PYTHON	MCA	0	0	1.5	0	1.5	3	50	50	100
6	MCA/PCCL	22MCAL36	FULL STACK LAB	MCA	0	0	1.5	0	1.5	3	50	50	100
7	MCA/SP	22MCAL37	SOCIETAL PROJECT	MCA	0	0	2	0	2	-	50	50	100
8	MCA/INT	22MCA38	INTERNSHIP	MCA	0	0	6	0	6	-	50	50	100
9	MCA/SEM	22MCA39	TECHNICAL SEMINAR-1	MCA	0	0	0	2	2	-	50	50	100
TOTAL					12	0	11	2	25	18	450	450	900
L -Lecture (1 hour), T- Tutorial (2 hours), P-Practical (2 hours), S-Self Study (hours – Nil) PCC- Professional Core, PEC-Professional Elective Course, PCCL- Professional Core Course Lab, SP- Societal Project, INT – Internship (06 weeks Internship to be completed in intervening vacation of Semester II and Semester III), SEM- SEMINAR													

PROFESSIONAL ELECTIVES - 3								
S NO	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				TOTAL
				L	T	P	S	
1	22MCA331	ADVANCED WEB DESIGNING	MCA	3	0	0	0	3
2	22MCA332	CLOUD COMPUTING	MCA	3	0	0	0	3
3	22MCA333	NON-RELATIONAL DATABASES	MCA	3	0	0	0	3
4	22MCA334	INTERNET OF THINGS	MCA	3	0	0	0	3
5	22MCA335	DEEP LEARNING	MCA	3	0	0	0	3

PROFESSIONAL ELECTIVES - 4								
S NO	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				TOTAL
				L	T	P	S	
1	22MCA341	DATA SCIENCE	MCA	3	0	0	0	3
2	22MCA342	COMPUTER VISION	MCA	3	0	0	0	3
3	22MCA343	AUGMENTED REALITY AND VIRTUAL REALITY	MCA	3	0	0	0	3
4	22MCA344	MOBILE APPLICATION DEVELOPMENT	MCA	3	0	0	0	3
5	22MCA345	AGILE SOFTWARE DEVELOPMENT	MCA	3	0	0	0	3

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS
SCHEME OF FOURTH SEMESTER MCA PROGRAM
AY 2024-25

S NO	BOARD/ COURSE	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				OVERALL CREDITS	CONTACT HOURS WEEKLY	MARKS		
					L	T	P	S			CIE	SEE	TOTAL
1	MCA/PEC	22MCA41X	PROFESSIONAL ELECTIVES – 5	MCA	3	0	0	0	3	3	50	50	100
2	MCA/OEC	20NHOPXXX	OPEN ELECTIVE COURSE	MCA	3	0	0	0	3	3	50	50	100
3	MCA/SEM	22MCA42	TECHNICAL SEMINAR -2	MCA	0	0	0	2	2	-	50	50	100
4	MCA/PROJ	22MCA43	MAJOR PROJECT	MCA	0	0	17	0	17	-	50	50	100
5	AUD/AEC	23AUD44	BOS RECOMMENDED TWO CERTIFIED ONLINE COURSES	Classes and evaluation procedures are as per the policy of the online course providers.									PP
TOTAL					6	0	17	2	25	6	200	200	400
L -Lecture (1 hour), T- Tutorial (2 hours), P-Practical (2 hours), S-Self Study (hours – Nil) PEC-Professional Elective Course, SEM-Seminar, PROJ- Project Work, AUD/AEC – Audit Course / Ability Enhancement Course. OEC-Industrial Open Elective Course, 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 Course Assessment will be based on CIE and SEE in practical mode. These Courses will be offered by Centre of Excellence to students of all the branches. Registration to Industrial open electives shall be documented and monitored on college level.													

PROFESSIONAL ELECTIVES – 5								
S NO	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				TOTAL
				L	T	P	S	
1	22MCA411	PROFESSIONAL ETHICS	MCA	3	0	0	0	3
2	22MCA412	DESIGN THINKING	MCA	3	0	0	0	3
3	22MCA413	ENTREPRENEURSHIP AND INNOVATION MANAGEMENT	MCA	3	0	0	0	3
4	22MCA414	DIGITAL MARKETING	MCA	3	0	0	0	3
5	22MCA415	SOFTWARE PROJECT MANAGEMENT	MCA	3	0	0	0	3

OPEN ELECTIVE COURSES								
S NO	COURSE CODE	COURSE	BOS	CREDIT DISTRIBUTION				TOTAL
				L	T	P	S	
1	20NHOP601	BIG DATA ANALYTICS USING HP VERTICA-1	MCA	3	0	0	0	3
2	20NHOP602	VM WARE VIRTUALISATION ESSENTIALS-1	MCA	3	0	0	0	3
3	20NHOP614	BLOCKCHAIN	MCA	3	0	0	0	3
4	20NHOP728A	DATABASE ADMINISTRATION USING DB2	MCA	3	0	0	0	3

NEW HORIZON COLLEGE OF ENGINEERING
Scheme of Teaching and Examinations –2024
M.Tech., COMPUTER SCIENCE AND ENGINEERING
Choice Based Credit System (CBCS) and Outcome-Based Education (OBE)
Scheme of Teaching and Examinations for 2024 - 2026 BATCH (2024 Scheme)

I SEMESTER

Sl.No	Course	Course Code	Course Title	Credit Distribution					CONTACT HRS	CIE	SEE	TOTAL
				L	T	P	S	CREDITS				
1	BSC	24SCS11	Mathematics for Computational Thinking	2	1	0	0	3	3	50	50	100
2	PCC	24SCS12	Advanced Algorithms	3	0	0	0	3	3	50	50	100
3	PCC	24SCS13	Concurrent Programming	3	0	0	0	3	3	50	50	100
4	PCC	24SCS14	UX/ UI design principles	2	0	0	1	3	4	50	50	100
5	MCC	24SCS15	Research methodology and IPR	2	0	0	1	3	4	50	50	100
6	PCCL	24SCL16	Advanced algorithms lab	0	0	2	0	2	4	50	50	100
7	PCCL	24SCL17	UX/ UI design principles lab	0	0	2	0	2	4	50	50	100
TOTAL				13	1	4	2	19	25	350	350	700

Note: During the 1st semester, students should enroll 2 online courses (Minimum) and must finish the courses before 4th semester and the evaluation will take place during the 4th semester.

Legends: BSC- Basic Science Courses, PCC: Professional core. IPCC-Integrated Professional Core Courses, MCC-Mandatory Credit Course, AUD/AEC –Audit Course/Ability

Enhancement Course (A pass in AUD/AEC is mandatory for the award of the degree), PCCL-Professional Core Course lab, L-Lecture, P-Practical, T/SDA-Tutorial / Skill Development Activities (Hours are for Interaction between faculty and students)

Integrated Professional Core Course (IPCC): Integrated Professional Core Course (IPCC): Refers to Professional Theory Core Course Integrated with practical of the same course. The theory part of the IPCC shall be evaluated both by CIE and SEE. The practical part shall be evaluated by only CIE (no SEE). However, questions from the practical part of IPCC shall be included in the SEE question paper.

Audit Courses /Ability Enhancement Courses Suggested by BOS (ONLINE courses):

Audit Courses: These are prerequisite courses suggested by the concerned Board of Studies.

Skill Development Activities: Under Skill development activities in a concerning course, the students should

- Interact with industry (small, medium, and large).
- Involve in research/testing/projects to understand their problems and help creative and innovative methods to solve the problem.
- Involve in case studies and field visits/ fieldwork.
- Accustom to the use of standards/codes etc., to narrow the gap between academia and industry.
- Handle advanced instruments to enhance technical talent.
- Gain confidence in modeling of systems and algorithms for transient and steady-state operations, thermal study, etc.
- Work on different software/s (tools) to simulate, analyze and authenticate the output to interpret and conclude.

All activities should enhance student's abilities to employment and/or self-employment opportunities, management skills, Statistical analysis, fiscal expertise, etc. Students and the course instructor/s to involve either individually or in groups to interact together to enhance the learning and application skills of the study they have undertaken. The students with the help of the course teacher can take up relevant technical –activities which will enhance their skill. The prepared report shall be evaluated for CIE marks

NEW HORIZON COLLEGE OF ENGINEERING
Scheme of Teaching and Examinations –2024
M.Tech., COMPUTER SCIENCE AND ENGINEERING
Choice Based Credit System (CBCS) and Outcome-Based Education (OBE)
Scheme of Teaching and Examinations for 2024 - 2026 BATCH (2024 Scheme)

II SEMESTER

Sl.No	Course	Course Code	Course Title	Credit Distribution					CONTACT T HRS	CIE	SEE	TOTAL
				L	T	P	S	CREDITS				
1	PCC	24SCS21	Cloud Computing & Virtualization	3	0	0	0	3	3	50	50	100
2	PCC	24SCS22	Devops	2	0	0	1	3	3	50	50	100
3	PCC	24SCS23	Artificial Intelligence	3	0	0	0	3	3	50	50	100
4	PEC	24SCS24X	Professional Elective - 1	3	0	0	0	3	3	50	50	100
5	PEC	24SCS25X	Professional Elective - 2	3	0	0	0	3	3	50	50	100
6	PCCL	24SCL26	Cloud Computing & Virtualization lab	0	0	2	0	2	4	50	50	100
7	PCCL	24SCSL27	Devops lab	0	0	2	0	2	4	50	50	100
TOTAL				14	0	4	1	19	23	350	350	700

Note: During the 1st semester, students should enroll 2 online courses (Minimum) and must finish the courses before 4th semester and the evaluation will take place during the 4th semester.

- Mini Project:** It can include hands-on practice, coding, mobile app development, and report preparation etc. CIE (Continuous Internal Evaluation) marks will be awarded by a committee comprising the HoD (Head of Department) as Chairman, the guide/co-guide (if any), and a senior faculty member of the department. All postgraduate students in the program must complete mini-project. **The CIE marks for Mini-Project work will be based on the evaluation of the Mini-Project work and Report, Presentation skills, and performance in the Question and Answer session, in the ratio 50:25:25.** Mini-Project is considered a passing requirement and is necessary for vertical progression and the award of the degree. Students who do not take up or complete the Mini Project will be declared as failing the course and will need to complete it during a subsequent semester.
- Internship:** All the students shall have to undergo a mandatory internship of **06 weeks during the vacation of II and III semesters.** A University examination shall be conducted during III semester and the prescribed internship credit shall be counted in the same semester. The internship shall be considered as a head of passing and shall be considered for vertical progression as well as for the award of degree. Those, who do not take-up/complete the internship shall be declared as fail in the internship course and have to complete the same during the subsequent University examination after satisfying the internship requirements.

242SCS24X - PROFESSIONAL ELECTIVE - 1		24SCS25X - PROFESSIONAL ELECTIVE - 2	
Course code	Course Name	Course code	Course Name
24SCS241	Design Thinking	24SCS251	Cyber Security Management
24SCS242	Microservices Design Pattern	24SCS252	Software Project Management
24SCS243	Soft Computing	24SCS253	Recommender Systems
24SCS244	Computer Vision	24SCS254	Entrepreneurship & Innovation Management
24SCS245	Bioinformatics	24SCS255	Geographic Information Systems

CALENDAR OF EVENTS FOR AY 2024-25 (EVEN SEM) BE (II SEM)

Commencement Day: 20 March 2025

Last Working Day: 04 July 2025

MONTH	Week No.	MON	TUE	WED	THU	FRI	SAT	SUN	Events/Holidays	Activities(Internal Tests, Quiz & Others)
March	1	*	*	*	20	21	22	23	Student Induction Program II	20 March - Commencement of even semester
	2	24	25	26	27	28	29	30	30 March Ugadi	
	3	31	*	*	*	*	*	*	31 March - Ramzan	
April	3		1	2	3	4	5	6	STEM Club Activity	
	4	7	8	9	10	11	12	13	Guest lecture Physics/ Chemistry	7-11 April - 24MAT21 -Alternate Assessment
	5	14	15	16	17	18	19	20	14 April - Dr.Ambedkar Jayanthi	
	6	21	22	23	24	25	26	27	18 April- Good Friday	21-25 April -24PHY22/24CHE 22-Alternate Assessment
	7	28	29	30	*	*	*	*	30 April- Basava Jayanthi	
MAY	7	*	*	*	1	2	3	4	1 May Day	28-2 May- 24ESC231/ 24ESC232 - -Alternate Assessment
	8	5	6	7	8	9	10	11		5May - 9 May, IA TEST 1
	9	12	13	14	15	16	17	18	STEM Club Activity	12-16 Mayt - 24CSE24-Alternate Assessment
	10	19	20	21	22	23	24	25	Guest lecture Maths	19-23 May- 24CAD 25/ 24ETC251-Alternate Assessment
	11	26	27	28	29	30	31	*	Industry Visit	26-30 May - 24ENG26/ 24 CIP27/ 24KSK27/24KBK27-Alternate Assessment
JUNE	11	*	*	*	*	*	*	1		
	12	2	3	4	5	6	7	8	7 June Bakrid	2-6 June 24EDM28/24EIH28 -Alternate Assessment
	13	9	10	11	12	13	14	15		9 - 13June, IA TEST 2
	14	16	17	18	19	20	21	22		16- 20 June Makeup test/ Project submission
	15	23	24	25	26	27	28	29		23- 27 June Lab internal tests
	16	30	*	*	*	*	*	*		
JULY	16	*	1	2	3	4	5	6	6 July - Muharam	4 July - Last working day
	17	7	8	9	10	11	12	13		10 July - Freezing of CIE marks.

Note: *No separate circulars will be issued regarding activities mentioned above.

*Students must provide a medical or sports certificate in order to register for the IA makeup test.

*Only students with pre-approval from the HOD are eligible to take the IA makeup test.

* SEE commences tentatively after 10th July 2025


HOD - APPLIED SCIENCES

HOD-APPLIED SCIENCES
New Horizon College of Engineering
 Bengaluru - 560 103


DEAN ACADEMICS


PRINCIPAL

Commencement / Closing Dates
Holidays
Internal Tests

NEW HORIZON COLLEGE OF ENGINEERING
TENTATIVE CALENDAR OF EVENTS FOR AY 2024-25 (EVEN SEM)
B.E (IV SEM)

Commencement: 03rd March 2025

Last Working Day: 06th June 2025

MONTH									Last Working Day: 06th June 2025	
MONTH	Week No.	MON	TUE	WED	THU	FRI	SAT	SUN	Events/Holidays	Activities(Internal Tests, Quiz & Others)
MAR	1	3	4	5	6	7	8	9		3rd Mar- Commencement of Classes
	2	10	11	12	13	14	15	16	14th Mar- Holi	
	3	17	18	19	20	21	22	23		
	4	24	25	26	27	28	29	30	29th Mar- Holiday	
	5	31	*	*	*	*	*	*	31st Mar- Ramzan	
APR	5	*	1	2	3	4	5	6		3rd & 4th Apr- 1st CIE
	6	7	8	9	10	11	12	13		
	7	14	15	16	17	18	19	20	14th Apr- Dr Ambedkar Jayanti 18th Apr- Good Friday	
	8	21	22	23	24	25	26	27		
	9	28	29	30	*	*	*	*	30th Apr- Basava Jayanti	
MAY	9	*	*	*	1	2	3	4	1st May- May Day	
	10	5	6	7	8	9	10	11		5th & 6th May- 2nd CIE
	11	12	13	14	15	16	17	18		
	12	19	20	21	22	23	24	25		
	13	26	27	28	29	30	31	*		
JUN	13	*	*	*	*	*	*	1		
	14	2	3	4	5	6	*	*	6th June- Last Working Day	SEE commences tentatively from 09th June

Note:

1. No Separate Circulars will be issued regarding Activities mentioned above.
2. The Industrial Visits and Guest Lectures shall be arranged on Weekends.
3. Internal Tests / Quiz / Assignments / Workshops / Seminars / Conference / Guest Lectures / BOS / BOE Meetings to be included in the department calendar.
4. Holidays*- Refer list of Holidays.
5. Internship Programme will be conducted as per the guidelines provided in the scheme & syllabus

DEAN ACADEMICS

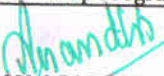
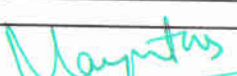
PRINCIPAL

NOTE	
Commencement / Closing Dates	
Holidays	
SEE	
Internal Tests	

NEW HORIZON COLLEGE OF ENGINEERING
TENTATIVE CALENDAR OF EVENTS FOR AY 2024-25 (EVEN SEM)
B.E (VI SEM)

Commencement: 23rd January 2025

Last Working Day: 06th June 2025

Commencement: 23rd January 2025									Last Working Day: 06th June 2025											
MONTH	Week No.	MON	TUE	WED	THU	FRI	SAT	SUN	Events/Holidays	Activities(Internal Tests, Quiz & Others)										
JAN to FEB		23rd January to 28th February- Commencement of Placement Training																		
MAR	1	3	4	5	6	7	8	9		3rd Mar- Commencement of Classes										
	2	10	11	12	13	14	15	16	14th Mar- Holi											
	3	17	18	19	20	21	22	23												
	4	24	25	26	27	28	29	30	29th Mar- Holiday											
	5	31	*	*	*	*	*	*	31st Mar- Ramzan											
APR	5	*	1	2	3	4	5	6		3rd & 4th Apr- 1st CIE										
	6	7	8	9	10	11	12	13												
	7	14	15	16	17	18	19	20	14th Apr- Dr Ambedkar Jayanti 18th Apr- Good Friday											
	8	21	22	23	24	25	26	27												
	9	28	29	30	*	*	*	*	30th Apr- Basava Jayanti											
MAY	9	*	*	*	1	2	3	4	1st May- May Day											
	10	5	6	7	8	9	10	11		5th & 6th May- 2nd CIE										
	11	12	13	14	15	16	17	18												
	12	19	20	21	22	23	24	25												
	13	26	27	28	29	30	31	*												
JUN	13	*	*	*	*	*	*	1												
	14	2	3	4	5	6	*	*		6th June- Last Working Day SEE commences tentatively from 09th June										
Note:																				
1. No Separate Circulars will be issued regarding Activities mentioned above.																				
2. The Industrial Visits and Guest Lectures shall be arranged on Weekends.																				
3. Internal Tests / Quiz / Assignments / Workshops / Seminars / Conference / Guest Lectures / BOS / BOE Meetings to be included in the department calendar.																				
4. Holidays*- Refer list of Holidays.																				
5. Internship Programme will be conducted as per the guidelines provided in the scheme & syllabus																				
<div><div> DEAN ACADEMICS</div><div> PRINCIPAL</div></div>																				
<table><tr><th colspan="2">NOTE</th></tr><tr><td>Commencement / Closing Dates</td><td></td></tr><tr><td>Holidays</td><td></td></tr><tr><td>SEE</td><td></td></tr><tr><td>Internal Tests</td><td></td></tr></table>											NOTE		Commencement / Closing Dates		Holidays		SEE		Internal Tests	
NOTE																				
Commencement / Closing Dates																				
Holidays																				
SEE																				
Internal Tests																				

NEW HORIZON COLLEGE OF ENGINEERING
CALENDAR OF EVENTS FOR AY 2024-25 (EVEN SEM)
B.E (VIII SEM)

Commencement: 20th January 2025

Last Working Day: 29th April 2025

MONTH	Week No.	MON	TUE	WED	THU	FRI	SAT	SUN	Events/Holidays	Activities(Internal Tests, Quiz & Others)
JAN	1	20	21	22	23	24	25	26		20th Jan- Commencement of Classes
	2	27	28	29	30	31	*	*		
FEB	2	*	*	*	*	*	1	2		
	3	3	4	5	6	7	8	9		
	4	10	11	12	13	14	15	16		
	5	17	18	19	20	21	22	23		22nd Feb- CIE- I
	6	24	25	26	27	28	*	*	26th Feb- Maha Shivaratri	
MAR	6	*	*	*	*	*	1	2		
	7	3	4	5	6	7	8	9		
	8	10	11	12	13	14	15	16	14th Mar- Holi	
	9	17	18	19	20	21	22	23		
	10	24	25	26	27	28	29	30	29th Mar- Holiday	
	11	31	*	*	*	*	*	*	31st Mar- Ramzan	
APR	11	*	1	2	3	4	5	6		
	12	7	8	9	10	11	12	13		12th Apr-CIE-II
	13	14	15	16	17	18	19	20	14th Apr- Dr Ambedkar Jayanti 18th Apr- Good Friday	
	14	21	22	23	24	25	26	27		
	15	28	29	30	*	*	*	*	30th Apr- Basava Jayanti	29th Apr- Last Working Day SEE commences tentatively from 5th May

Note:

1. No Separate Circulars will be issued regarding Activities mentioned above.
2. The Industrial Visits and Guest Lectures shall be arranged on Weekends.
3. Internal Tests / Quiz / Assignments / Workshops / Seminars / Conference / Guest Lectures / BOS / BOE Meetings to be included in the department calendar.
4. Holidays*- Refer list of Holidays.
5. Internship Programme will be conducted as per the guidelines provided in the scheme & syllabus

DEAN ACADEMICS

19/12/24

PRINCIPAL

May 2025

NOTE	
Commencement / Closing Dates	
Holidays	
SEE	
Internal Tests	

II.5. Approval for the faculty appointments for AY 2024-25

Teaching Faculty Recruitment for the Academic Year 2024-25

S.No.	CANDIDATE NAME	DESIGNATION	DEPARTMENT	DoJ
1	Dr. Sanjeev P Kaulgud	Associate Professor	AIML	01-07-2024
2	Ms. Ramyashree P M	Assistant Professor	AIML	18-03-2024
3	Dr. Bhimaraya Shivaraya Patil	Associate Professor	CE	08-04-2024
4	Ms. M. Usha Rani	Assistant Professor	CE	18-03-2024
5	Dr. Narayana Swamy Ramaiah	Professor & HOD	CSE	22-07-2024
6	Ms. Parismita Goswami	Assistant Professor	CSE	22-04-2024
7	Ms. Deepthi Jha S	Assistant Professor	CSE	22-04-2024
8	Ms. Sandhya Nilesh Barge	Assistant Professor	CSE	11-03-2024
9	Ms. T Sasikala	Sr. Assistant Professor	CSE - DS	15-04-2024
10	Ms. Anchal	Assistant Professor	CSE - DS	13-05-2024
11	Mr. T V S Adinarayana	Sr. Assistant Professor	ECE	18-03-2024
12	Mr. Krishnakumar R N	Assistant Professor	ECE	01-04-2024
13	Ms. Jenita Subash	Sr. Assistant Professor	ISE	22-04-2024
14	Ms. K.ThamaraiSelvi	Assistant Professor	ISE	06-05-2024
15	Mr. Shivashish Gour	Assistant Professor	MBA	15-04-2024
16	Mr. Naresh K V	Assistant Professor	MBA	04-07-2024
17	Ms. Priya Thomas	Sr. Assistant Professor	MCA	18-06-2024
18	Mr. Suraj C Gowda	Assistant Professor	MCA	09-09-2024
19	Ms. Diksha Dhiman	Assistant Professor	MCA	15-04-2024
20	Ms. Pallavi Nayak	Assistant Professor	CSE - DS	11-09-2024
21	Ms. Ashwini G B	Assistant Professor	CSE - DS	11-09-2024
22	Ms. Parvathy S	Assistant Professor	ISE	11-09-2024
23	Ms. Priyavarthini S	Assistant Professor	CSE	11-09-2024

Non – Teaching Faculty Recruitment for the Academic Year 2024 - 25

S.No.	CANDIDATE NAME	DESIGNATION	DEPARTMENT	DoJ
1	Ms. Srividya Anand	Sr. Student Counsellor	AS	04-09-2024
2	Ms. Anna Jogie	Student Counsellor	AS	04-03-2024
3	Ms. Susarla Sunishtha	Student Counsellor	AS	10-06-2024
4	Ms. Aswathi P	Lab Instructor	CSE	22-04-2024
5	Mr. Pramanth Y	Lab Instructor	MCA	17-09-2024

Faculty appointments for AY 2024-25 were ratified. It was suggested to appoint Professor of Practice for teaching 3 days a week and appoint IT professionals to teach programming languages on part time basis to improve the student faculty ratio. Invite Alumni with experience to teach subjects in an innovative way. Assign faculty / teaching assistants for conducting exams and evaluation duty.

II.6. Approval for the Proposed Department Budget for AY 2024-25

S. No.	Department	Amount
1	Applied Sciences	1,53,00,600.00
2	AIML	1,22,40,480.00
3	CE	30,60,120.00
4	CIV	10,97,818.00
5	CSE	1,98,90,780.00
6	ECE	1,37,70,540.00
7	EEE	91,80,360.00
8	ISE	1,37,70,540.00
9	MEE	61,20,240.00
10	MBA	69,54,123.00
11	MCA	76,50,300.00
12	Library	70,00,000.00
13	Miscellaneous	1,12,14,090.00
Total		12,72,49,991.00

The budget allocation for departments for the year 2024-25 was presented.

Committee Suggestion: An interim budget review in November was recommended to reallocate unutilized funds where necessary and it was suggested to increase the library's budget, with emphasis on subscription of online journals. PG- MTech to have separate budget allocation

Review on R&D activities AY 2024-25

**Total number of papers published and indexed in Scopus in Year 2024:
1175**

Conference Paper	773
Article	299
Book Chapter	77
Review	12
Note	6
Book	4
Erratum	1
Editorial	2
Letter	1

**Total number of papers published and indexed in Scopus in Year
2025(till Feb 2025): 145**

Conference Paper	25
Article	82
Review	6
Book Chapter	30
Letter	1
Erratum	1

Total number of Citations:

CY 2024 – 7277

CY 2025 (till Feb) – 1209

h - index: 56

Research Grants (2024-25)

Name of the funding agency	Sanctioned Amount in Rs.
KSCST – SPP 2024-25 (64 projects)	2,25,500.00
AICTE IDEA LAB, AICTE, GOI	30,00,000.00
IEEE Power and Energy Society	29,547.00
IEEE Industrial Electronics Society	62,000.00
MEITY - Ministry of Electronics and Information Technology, GOI	1,00,000.00
DST NIDHI PRAYAS GRANT 5.0	10,00,000.00
Ministry of Education, GOI - SIH	15,48,600.00
ATAL FDP, AICTE, GOI	1,00,000.00
KAPILA, AICTE, GOI	5,44,000.00
Unnat Bharat Abhiyan, MoE, GOI	2,00,000.00(Approved)



KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: www.kscst.org.in, <https://kscst.karnataka.gov.in> || Email: spp@kscst.org.in || Tel: 080-2334 1652, 2334 8848/49/40

48th series of Student Project Programme (SPP): 2024-25

Department	No. of Projects Sanctioned	Amount Sanctioned in Rs.
AIML	10	33500
CSE 2	6	15000
CSE 1	14	34000
ECE	9	38000
EEE	4	18000
MCA	7	27500
ISE	6	25500
ME	-	-
MBA	6	27000
M.Tech CSE	1	2000
Interdisciplinary	1 (ECE & ISE)	5000
Total	64	2,25,500

**Highest Number of Projects sanctioned in
Karnataka out of 299 Institutions**

NHCE IPR Cell

NHCE is committed to its vision and mission of developing innovative technologies. The institute encourages the teaching fraternity, students and researchers to utilize intellectual property rights like patents, industrial designs, trademarks, and copyrights to protect their novel ideas. Through awareness programs and workshops, NHCE aims to motivate and initiate novel ideas/technology and gain legal rights over the same. The IPR Cell at NHCE has achieved a significant milestone by publishing over 600 patents and obtaining 45 granted patents and designs.

Activity	CY 2024	CY 2025
Patent Published	205	30 +ongoing
Design Grant	32	4+
Patent Grant	12 in progress	

NHCE - IIC

New Horizon College of Engineering (NHCE) established its Institution's Innovation Council (IIC) in December 2018, under the guidance of MHRD's Innovation Cell (MIC). The council, abbreviated as NHCE-IIC, aims to foster an entrepreneurial culture of innovation and intellectual property rights (IPR) among students. It regularly organizes entrepreneurship-related events, as well as idea, POC, and prototype-building competitions to encourage students to create and develop start-ups. The council also trains faculty members as MIC Innovation Ambassadors, who serve as theme mentors for other IICs. It encourages participation of the students in various forums like SIH, KAPILA, NISP, NIPAM and YUKTI.

IIC 7.0 : All activities for Q1 and Q2 completed. Report submission completed till Q2. Q3 activities are being conducted.



Ph. D/M. Sc. (Engineering) Programs

NHCE has **Ten** VTU recognised Research Centres which offer Ph. D and M.Sc. (Engineering) by research programs. Eligible candidates from academic institutions, Industry are encouraged to enrol for part time / Full time Ph. D / M.Sc. by research programs. Scholarship scheme is available for **Full time scholars** as per the Institution policy. Admission to the program is governed by VTU regulations.

VTU recognised research centres @ NHCE

1. Computer Science and Engineering
2. Electronics and Communication Engineering
3. Electrical and Electronics Engineering
4. Mechanical Engineering
5. Information Science and Engineering
6. Management Studies

7. Computer Applications
8. Physics
9. Chemistry
10. Mathematics

Research Supervisors, area of specialisation is available at <https://researchnhce.newhorizoncollegeofengineering.in/research-centers/>



VTU Research Supervisors : 81

VTU Research Scholars : 112

Graduated during 2024-25: 02

Research Awareness Activities Conducted AY 2024-25

TITLE	DATE
Workshop on "Art of Writing a Research Paper in SCI Journals"	08.08.2024
Training Session for Turnitin Software - iThenticate	13.08.2024 to 14.08.2024
Workshop on "Research Grant Proposal Writing for DST"	21.08.2024
Expert Talk on "Awareness on Unlocking Financial Opportunities: Capacity Building for MSME Funding"	28.08.2024

Webinar on “IEEE Authorship and Open Access Symposium”	04.09.2024
Expert Talk on “Interdisciplinary Research- An approach to address social challenges”	11.09.2024
Expert Talk on “Research in IoT and Smart Buildings”	18.09.2024
Expert Talk on “Research in Industrial Application”	28.09.2024
Workshop on “Research Output Optimization”	24.10.2024
Workshop on “Research Output Optimization”	11.11.2024
Short Term Training Program (STTP) on “Research Challenges in Advanced Power Converters for Industrial Electronics Applications”	11.11.2024 to 15.11.2024
Expert talk on Innovations in Research Publications	04.12.2024
Faculty Development Programme on “Research Potential in Advanced Power Electronics & Renewable Energy”	13.01.2025 to 24.01.2025
Seminar on “Research Schemes in India and Trust area” Funding for all Science and Engineering Departments	12.02.2025
Workshop on Mastering Professional Writing of Research Papers with LaTeX	08.03.2025
Webinar on How to write a Good Paper	10.03.2025
Faculty Development Program on “MAXIMISING INNOVATION: IPR Strategies for Science Research”	02.09.2024
Workshop on “IPR in Electrical Engineering”	06.09.2024
Faculty Development Program on “Integrating IPR into Business Strategy: A Management Approach”	31.08.2024

Workshop on “Unlock IP Potential in Artificial Intelligence”	13.09.2024
Workshop on “Unlock Your Innovation Essential Techniques of Patent Drafting”	13.09.2024
Lecture Series on “Open Network for Digital Commerce (ONDC)- An Overview”	23.12.2024

Review on NBA & NAAC Accreditation status

NAAC Accreditation

Sl No	Accreditation	Grade & Score	Period of validity
1	Institution Accreditation	A 3.25	5 Years i.e. up to 10.01.2027 AQAR till 2022-2023 submitted

NBA Accreditation Status

Sl No	Name of the Program-UG	Basics of Evaluation	Period of validity
1	Computer Science & Engineering	Tier - 1	Academic Year 2024-2025 to 2026-2027 i.e. upto 30.06.2027
2	Electronics & Communication Engineering		
3	Mechanical Engineering		
4	Information Science & Engineering	Tier - 1	Academic Year 2023 - 2024 to 2025 - 2026 i.e. upto 30-06-2026
5	Electrical and Electronics Engineering		

The Status of Institution Accreditation of NBA & NAAC was presented

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE

Autonomous College affiliated to VTU, Accredited by NAAC with 'A' Grade & NBA

May-2025 Semester End Examination

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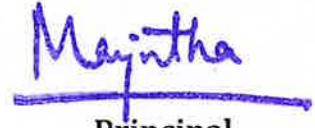
PG I Semester Result Analysis for the Academic Year 2024-25

Branch	Total Student	Total DX/AB	No. of Students Appeared	FCD	FC	SC	Pass Class	No. of students Passed	F Grade	Pass %
MCA	167	6	161	96	14	2	0	112	49	69.57%
MBA	181	7	174	155	4	0	0	159	15	91.38%
M.Tech-SCS	18	0	18	18	0	0	0	18	0	100.00%
Over all	366	13	353	269	18	2	0	289	64	81.87%


Controller of Examination

CONTROLLER OF EXAMINATIONS

New Horizon College of Engineering (Autonomous),
Ring Road, Kadubisanahalli, Bellandur Post,
Near Marathalli, Bengaluru - 560 103.


Principal

PRINCIPAL

New Horizon College of Engineering (Autonomous),
Ring Road, Kadubisanahalli, Bellandur Post,
Near Marathalli, Bengaluru - 560 103.

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE

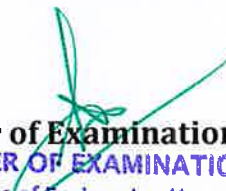
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Apr-2025 Semester End Examination

OFFICE OF THE CONTROLLER OF EXAMINATIONS

PG III Semester Result Analysis for the Academic Year 2024-25

Branch	Total Student	Total NE	No. of Students Registered	FCD	FC	SC	Pass Class	No. of students Passed	F Grade	Pass %
MBA	180	3	177	173	0	0	0	173	4	97.74%
MCA	181	1	180	148	20	0	0	168	12	93.33%
M.Tech-SCS	14	0	14	14	0	0	0	14	0	100.00%
Over all	375	4	371	335	20	0	0	355	16	95.69%


Controller of Examination
CONTROLLER OF EXAMINATIONS
New Horizon College of Engineering (Autonomous)
Ring Road, Kadubisanahalli, Bellandur Post,
Near Marathalli, Bengaluru - 560 103.


Principal
PRINCIPAL
New Horizon College of Engineering (Autonomous)
Ring Road, Kadubisanahalli, Bellandur Post,
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NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE

Autonomous College affiliated to VTU, Accredited by NAAC with 'A' Grade & NBA

Apr-2025 Semester End Examination

OFFICE OF THE CONTROLLER OF EXAMINATIONS

UG I Semester Result Analysis for the Academic Year 2024-25

Branch	Total Student	No. of Students Not Appeared	No. of Students Appeared	FCD	FC	SC	Pass Class	No. of students Passed	F Grade	Pass %
AI	230	1	229	165	15	6	0	186	43	81.22%
DS	201	0	201	151	13	2	0	166	35	82.59%
EC	175	2	173	134	13	1	0	148	25	85.55%
ME	52	3	49	20	6	2	0	28	21	57.14%
CS	552	4	548	432	36	3	1	472	76	86.13%
EE	95	1	94	57	10	3	0	70	24	74.47%
Over all	1305	11	1294	959	93	17	1	1070	224	82.69%

Controller of Examination

CONTROLLER OF EXAMINATIONS

New Horizon College of Engineering (Autonomous)

Ring Road, Kadubisanahalli, Bellandur Post,

Near Marathalli, Bengaluru - 560 103.

Majitha

Principal

PRINCIPAL

New Horizon College of Engineering (Autonomous)

Ring Road, Kadubisanahalli, Bellandur Post,

Near Marathalli, Bengaluru - 560 103.

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE

Autonomous College affiliated to VTU, Accredited by NAAC with 'A' Grade & NBA

Apr-2025 Semester End Examination

OFFICE OF THE CONTROLLER OF EXAMINATIONS

UG III Semester Result Analysis for the Academic Year 2024-25

Branch	Total Student	Total NE	No. of Students Registered	FCD	FC	SC	Pass Class	No. of students Passed	F Grade	Pass %
AI	235	0	235	155	12	3	0	170	65	72.34%
DS	227	6	221	149	27	3	1	180	41	81.45%
CS	364	2	362	274	20	9	2	305	57	84.25%
EC	202	1	201	131	19	1	0	151	50	75.12%
EE	112	2	110	74	12	4	0	90	20	81.82%
IS	207	10	197	108	25	8	0	141	56	71.57%
ME	44	0	44	14	5	5	4	28	16	63.64%
Over all	1391	21	1370	905	120	33	7	1065	305	77.74%

CONTROLLER OF EXAMINATIONS
Controller of Examination
New Horizon College of Engineering (Autonomous)
Ring Road, Kadubisanahalli, Bellandur Post,
Near Marathalli, Bengaluru - 560 103.

Principal
PRINCIPAL
New Horizon College of Engineering (Autonomous)
Ring Road, Kadubisanahalli, Bellandur Post,
Near Marathalli, Bengaluru - 560 103.

NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE

Autonomous College affiliated to VTU, Accredited by NAAC with 'A' Grade & NBA

Apr-2025 Semester End Examination

OFFICE OF THE CONTROLLER OF EXAMINATIONS

UG V Semester Result Analysis for the Academic Year 2024-25

Branch	Total Student	Total NE	No. of Students Registered	FCD	FC	SC	Pass Class	No. of students Passed	F Grade	Pass %
AI	203	2	201	164	18	5	0	187	14	93.03%
CE	65	1	64	59	2	0	0	61	3	95.31%
DS	153	4	149	122	9	5	2	138	11	92.62%
CS	294	1	293	259	11	5	1	276	17	94.20%
EC	186	3	183	137	10	3	1	151	32	82.51%
EE	112	13	99	71	13	2	0	86	13	86.87%
IS	218	6	212	176	12	9	1	198	14	93.40%
ME	49	1	48	23	12	5	1	41	7	85.42%
Over all	1280	31	1249	1011	87	34	6	1138	111	91.11%

CONTROLLER OF EXAMINATIONS
New Horizon College of Engineering (Autonomous)
Kadurugubbi, Bellandur Post,
Near Marathalli, Bangalore - 560 083.

Principal
New Horizon College of Engineering (Autonomous)
Kadurugubbi, Bellandur Post,
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NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE

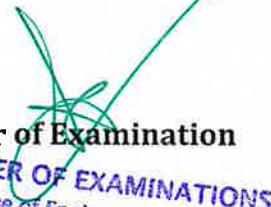
Autonomous College affiliated to VTU, Accredited by NAAC with 'A' Grade & NBA

Apr-2025 Semester End Examination

OFFICE OF THE CONTROLLER OF EXAMINATIONS

UG VII Semester Result Analysis for the Academic Year 2024-25

Branch	Total Student	Total NE	No. of Students Registered	FCD	FC	SC	Pass Class	No. of students Passed	F Grade	Pass %
AI	155	1	154	145	5	0	0	150	4	97.40%
CE	75	3	72	64	2	0	2	68	4	94.44%
CV	70	4	66	33	10	7	5	55	11	83.33%
CS	321	1	320	308	5	4	2	319	1	99.69%
EC	192	4	188	172	5	3	0	180	8	95.74%
EE	100	1	99	94	4	0	0	98	1	98.99%
IS	228	2	226	202	10	8	4	224	2	99.12%
ME	71	0	71	63	1	0	0	64	7	90.14%
Over all	1212	16	1196	1081	42	22	13	1158	38	96.82%


Controller of Examination
CONTROLLER OF EXAMINATIONS
New Horizon College of Engineering (Autonomous),
Ring Road, Kadubisanahalli, Bellandur Post,
Near Marathalli, Bengaluru - 560 103.


Principal
PRINCIPAL
New Horizon College of Engineering (Autonomous)
Ring Road, Kadubisanahalli, Bellandur Post,
Near Marathalli, Bengaluru - 560 103.

Department of HRD

Placements and Internships

2024-25 Batch Placement Statistics (Placement drives are ongoing)

Branch	Total Intake	Not Seeking for placement	Not eligible due to backlog/not Active	Total Active students for Placements	No of Students Placed	No of offers	Total Yet to be Placed	Placed Percentage
AIML	155	47	32	76	58	72	18	76.32
CE	75	8	22	45	39	43	6	86.67
CSE	328	47	21	260	220	260	40	84.62
CV	66	63	0	3	3	3	0	100.00
ECE	194	37	54	103	94	120	9	91.26
EEE	99	25	8	68	60	63	8	88.24
ISE	229	17	56	156	141	167	15	90.38
ME	71	20	9	42	40	43	2	95.24
MCA	179	4	118	57	44	49	13	77.19
Total	1396	268	318	810	699*	820*	111	86.30

2024-2025 Batch Highlights

- Domestic Highest CTC: ₹42.74 LPA – Visa (Zero selects)

- Domestic Highest CTC: ₹31.00 LPA – Morgan Stanley (1 select)

- International Highest CTC: ₹43 LPA – Belc, Japan (1 select)

Challenges & Action Taken

For 2027 Batch

- 10 days (40 hours) of aptitude training during 4th semester vacation.
- Vacation training on aptitude and verbal after 4th semester.
- Aptitude syllabus to be completed during 4th and 5th semesters.
- CodeChef portal to be available starting 5th semester.

Foreign Languages

- Japanese companies now require N5 & N4 certification.
- Companies requiring foreign language skills: Accenture, Wipro, Merck, LG Soft, Capgemini, Eurofins, etc.
- Proposal: Introduce Foreign Languages as Value-Added Courses from 2nd Year.
- Suggested languages: Japanese, German, Spanish, French, Korean.

Internship

- Companies require 1-year internship from 6th/7th semester.
- Stipend: ₹15,000 – ₹1,00,000 per month.
- Work-from-office requirement.
- Intern-cum-full-time conversion based on performance.

Activities of Centers of Excellence

Sl No	Organization with which MoU is signed	Date	Skill development activities through MoU/ CoE
1	Capgemini (5G)	04-01-2024	One day FDP on "5G Technologies"
		12-02-2024	One day Workshop on "5G NR RAN"
2	Brillio	05-05-2024	One day workshop on "Deploy Applications using AWS"
		12-08-2024	One day workshop on "Data science scope and applications"
		16-11-2024	AWS Cloud: Hands-on workshop
3	Fanuc India	07-08-24	Faculty development program for "Robotics - FANUC India"
		12-11-2024	One day workshop on "India skills on robotics"
4	Global Logic	01-02-2024	14 days train the trainer program on Fullstack Java and .net
		01-03-2024	30 days training to the students on Fullstack Java and .net

Sl No	Organization with which MoU is signed	Date	Skill development activities through MoU/ CoE
5	IBM Open Power Foundation	08-09-2024	Industrial visit to IBM- Automation Awareness Program
6	Juniper Networks	07-16-2024	Certification course in Juniper Networks Certified Associate (JNCIA- Cloud)
7	Karnataka Management Association	08-03-2024	A Joint Certification Program & Capstone is offered to students, and certificates will be issued upon successful completion of the Course.
		12-05-2024	One day workshop on "Learning Through Gamification"
8	Nokia	16-03-2024	Industrial Visits: Nokia Bangalore University Collaboration Conclave (NBUC)
		17-03-2024	All Things: Cloud Native Meetup
9	PreProd Corp Pvt Ltd	12-09-2024	Technical Expert talk on "Introduction to the World of AI"
10	Siemens Large Drives India Pvt Ltd.	21-03-2024	Offering research and consultancy work to faculties in the area of AI & ML and IIoT technologies.

Sl No	Organization with which MoU is signed	Date	Skill development activities through MoU/ CoE
11	Capgemini (VLSI)	16-01-2024	One day FDP on recent advancements in VLSI
		12-08-2024	One day <u>workshop</u> on "Introduction to STA"
		15-06-2024	One day workshop on "Clock tree synthesis"
		17-09-2024	One day workshop on "Firmware Development Flow"
12	ZF Digital Solutions India Private Limited	25-10-2024	Workshop on Cloud and pattern recognition
13	SAP Labs	08-01-2024	Students visit from Vlerick Business School, Belgium to discuss on a consultancy project
		11-03-2024	Workshop on SAP Business Technology Platform with AI
		14-10-2024	SAP ERP Sim INDIA HACKATHON-2024
14	Rooman Technologies	17-02-2025	VTU/NSDC Internship program offered to 248 students from Jan 2025 for 2021-2025 batch

Industry Institute Interaction Cell – Report

Active MoUs: 31 (AY 2024–25)

- Internship, training, industry lectures, technology workshops.

Sl No	Company	Date of MoU signed/ renewed	Period	Purpose of Collaboration	Current status
1	Capgemini VLSI	03-08-2023	2 years	Open Elective offered	Active
2	Capgemini 5G	01-03-2024	2 years		Active
3	FANUC	01-04-2023	2 years		Active
4	Capgemini Industry 4.0	22-10-2023	2 years		Active
5	SAP	16-08-2021	3 years		Active
6	CISCO	15-12-2017	No expiry		Active
7	Juniper Networks	08-08-2022	2 years		Active
8	<u>Schnieder Electric</u>	20-09-2017	No expiry		Active
9	Capgemini PLM	26-07-2024	3 years		Active
10	Brillio	04-01-2023	No expiry		Active
11	Automation Anywhere	25-04-2022	3 years		Active
12	IBM Open Power Foundation	28-02-2020	No expiry		Active

Sl No	Company	Date of MoU signed/ renewed	Period	Purpose of Collaboration	Current status
13	Dynalectrik	13-07-2023	2 years	Consultancy (EEE/CSE)	Active
14	ZF Digital Solutions	18-01-2024	No expiry	Consultancy (CSE/ISE)	Active
15	Chaarvedha Solutions	10-02-2024	2 years	Consultancy (EEE/CSE)	Active
16	Global Logic	01-06-2023	2 years	Training students in Fullstack .net/ Java	Active
17	AFGS	04-01-2024	2 years	Consultancy/Hiring	Active
18	MEI Ltd	26-03-2024	2 years	Consultancy and Internship	Active
19	VAYAH VIKAS	15-03-2024	2 years	Internship	Active
20	KMA	01-03-2024	2 years	MBA- FDP/ Workshops/ Training	Active
21	MTC Global	18-03-2024	2 years	MBA-FDP/ Workshop/ Consultancy	Active
22	Siemens Large Drives India	01-02-2023	3 years	Industry bootcamps for students and faculty	Active
23	English Arcade	27-03-2024	2 years	Corporate training to students	Active
24	Preprod Corp	08-05-2204	3 years	Industry bootcamps for students and faculty	Active

Sl No	Company	Date of MoU signed/ renewed	Period	Purpose of Collaboration	Current status
25	Nokia	14-10-2024	2 years	CoE and involvement in Industry projects/ Internships/ placements	Active
26	Visionet Technologies	22-12-2024	3 years	Gen AI CoE	Active
27	[24].7 AI	22-01-2025	3 years	Softskill training/ placements/ internships	Active
28	Rooman Technologies	28-01-2025	3 years	VTU/NSDC Internship	Active
29	Waters India Private Limited GCC	19-02-2025	No expiry	Placements/ internship	Active
30	Siemens technology and Private Limited	01-03-2025	2 years	Placements/ internship	Active
31	Wipro Engineering	07-03-2025	2 years	CoE / Placements/ internship	Active

VTU-NSDC-Rooman Skill Development Program

- 169 students enrolled.

- Job Roles: DevOps Engineer, AIML Engineer, AI Data Analyst, App Developer.

Skill Development Activities

- Induction Training
- Communicative English
- Professional Writing Skills
- Pre-Placement Training
- Company-Specific Training

Language Lab – Experimental Phase

- Software purchase: March 2024
- Diagnostic Test: April 2024
- Classes started: April 2024
- Software updated: June 2024
- Teacher training: July 2024
- Diploma batch training completed: Nov–Dec 2024

Challenges & Recommendations

- Collaboration with LG Soft for Korean Career Center.
- Japan Center active; 126 students enrolled for N5.
- Recommendation: Introduce Foreign Languages as Value-Added Courses.

New Horizon Council for Innovation Incubation & Entrepreneurship (NHCIIE)
AY 2024-25

KEY-HIGHLIGHTS:

- ❖ Received **Host institution** status for **Business Incubation** from MSME Government of India
- ❖ Received 65+ projects registered for **MSME IDEA HACKATHON 5.0**
- ❖ Incubated 08 student startups and Incorporations with Ministry of Corporate Affairs.
- ❖ Incubated 02 Corporate startups, namely Mypickup ,VIEWZEN Tech.
- ❖ YUKTI registration = ✓69 Ideas ✓ 37 Innovations and Prototypes ✓ 21 Startups
- ❖ MathWorks License free for 1 year with all the toolboxes worth 30 lakhs
- ❖ IP Attorney Services for all Startups and Students at Affordable Rate
- ❖ Company Registration Services at 90% Less price with Register Karo Pvt Ltd
- ❖ **Grant of Rs.1548600/-** is received from Ministry of Education for SIH 2024.
- ❖ Received 50 lakhs worth Synopsys EDA Tools support to NHCE institution under Chips to Start-up (C2S) Programme of MeitY.
- ❖ **306** students participated in the **Internal Hackathon for SIH- 2024**
- ❖ **18 [Innovation and Entrepreneurship Activities](#)** conducted as Self-driven Activities for NHCE students and faculty members.
- ❖ Conceptualized and conducted an Inter-school Hackathon '**HackHive 24**' in which 271 students participated and 12 teams won the cash prizes.
- ❖ Collaboration between NHCE and ETH Zurich University, Switzerland for International level Inclusive Innovation Challenge 'Build2gether 2.0'. 2 students became Student Ambassadors, NHCE got wide publicity on their international portal and secured 80 nos. of Embedded kits worth INR 9,60,000/-.

Review on Sports Activities AY 2024-25

Athletics

R PUSHPALATHA REDDY (1NH23BA111) Silver Medal in Javelin Throw(W), VTU State Level Annual Athletic Meet-2024-25 held at VTU Regional centre Mysuru on 26th to 29th June 2024.

Table Tennis (Women)

Winners in VTU Bangalore Central Division Table Tennis (W) Tournament-2024-2025 Held at BMSCA, Bengaluru, on 01th July 2024.

2nd Runners up in VTU State Level Table Tennis (W) Tournament-2024-2025 Held at VVCE, MYSURU, on 17th to 19th July 2024.

CHESS (Women)

Runners in VTU Bangalore Central Division Chess (W) Tournament-2024-2025 Held at BMSCA, Bengaluru, on 16th & 17th July 2024.

Runners in New Horizon Cup 24 Chess (Women) Tournament held at NHCE Bengaluru on 8th to 10th December 2024.

POWER LIFTING (Men)

Champions in VTU State level Inter-collegiate Power lifting (M) Championship - 2024-2025, held at NHCE, Bengaluru on 10th & 11th July 2024.

POWER LIFTING (Women)

Runners in VTU State level Inter-collegiate Power lifting (W) Championship -2024-2025, held at NHCE, Bengaluru on 10th & 11th July 2024.

Basketball (Men)

Runners in VTU Bengaluru Central Division Inter-Collegiate Basketball (M) Championship -2024-2025, held at NHCE, Bengaluru on 17th & 18th Nov 2024.

2nd Runner Up in VTU State Level Inter-Collegiate Basketball (M) Championship - 2024-2025, held at NHCE, Bengaluru on 19th & 20th Nov 2024.

Runners in New Horizon Cup 24 Basketball (Men) Tournament held at NHCE Bengaluru on 8th to 10th December 2024.

Judo (Men)

2nd Runner Up in VTU State Level Inter-Collegiate Judo (M) Championship -2024-2025, held at GAT, Bengaluru on 12th & 13th November 2024.

Handball (Men)

Runners in SPARDHA Handball (Men) Tournament -2024-2025, held at CMRIT, Bengaluru on 10th December 2024.

Winners in New Horizon Cup 24 Handball (Men) Tournament held at NHCE Bengaluru on 8th to 10th December 2024.

Runners in VTU Bengaluru Central Division Inter-Collegiate Handball (M) Championship -2024-2025, held at BMSCE, Bengaluru on 16th & 17th DEC 2024.

Basketball (Women)

3rd Runner Up in VTU Bengaluru Division Inter-Collegiate Basketball (W) Championship -2024-2025, held at RVITM, Bengaluru on 5th & 6th Nov 2024.

Runners in New Horizon Cup 24 Basketball (Women) Tournament held at NHCE Bengaluru on 8th to 10th December 2024.

3rd Runner Up in VTU State Level Inter-Collegiate Basketball (W) Championship -2024-2025, held at RVITM, Bengaluru on 8th Nov 2024.

Runners in New Horizon Cup 24 Basketball (Women) Tournament held at NHCE Bengaluru on 8th to 10th December 2024.

Tug of War (Men)

Runners in VTU Bengaluru Central Division Tug of War (M) Championship -2024-2025, held at CMRIT, Bengaluru on 9th November 2024.

2nd Runner up in VTU State Level Tug of War (M) Championship -2024-2025, held at Akshya IT, Tumkur on 13th December 2024.

Football (Men)

Runners in New Horizon Cup 24 Football (Men) Tournament held at NHCE Bengaluru on 8th to 10th December 2024.

Kabaddi (Men)

Runners in New Horizon Cup 24 Kabaddi (Men) Tournament held at NHCE Bengaluru on 8th to 10th December 2024.

Weight Lifting (Women)

Bronze medal in Weight lifting (Women) Competition -2024-2025, held at Alvas College of Engineering, Moodabidri on 8th and 9th November 2024.

Best Physique (Men)

Bronze Medal Best physique (Men) Competition -2024-2025, held at Alvas College of Engineering, Moodabidri on 8th and 9th November 2024.