



NEW HORIZON
COLLEGE OF ENGINEERING
New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade. Accredited by NBA

25thAcademic Council Meeting

18thOctober, 2023

Minutes of the Meeting

VENUE:Discussion Room, Chatrapathi Shivaji Block

TIME: 02:00 PM

NEW HORIZON COLLEGE OF ENGINEERING
ACADEMIC COUNCIL MEETING –AY 2023-2024

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NEW HORIZON COLLEGE OF ENGINEERING
ACADEMIC COUNCIL MEETING -AY 2023-2024

AGENDA

Date: 18/10/2023

Venue: Discussion Room, Chatrapathi Shivaji Block/Blended Mode

Time: 02.00 pm

AGENDA Points:

1. Welcome address
2. Discussion of Scheme of Study for 2022-26 Batch Scheme (3rd to 8th Semesters) based on revised VTU guidelines
3. Proposal and Approval of Scheme of Study for 2022-26 Batch Scheme (3rd to 8th Semesters)
4. Outcome of Board of Studies for 2022-26 Batch Scheme (3rd to 8th Semesters)
5. Proposal and Approval of Scheme of Study for 2021-25 Batch Scheme (5th to 8th Semesters)
6. Outcome of Board of Studies for 2021-25 Batch Scheme (5th to 8th Semesters)
7. Proposal and Approval of Scheme of Study for PG programs
8. Minor Degree Program Regulations
9. Discussion on Honours Degree Rules and Regulations
10. Result Analysis of VI, VIII Semester BE and IV Semester PG
11. Discussion on successive failure for 2021 batch
12. Any other points with Approval of Chairman

Members of the Academic Council

Sl No.	Category	Sl No.	Name
I	Principal of the College - Chairman	1	Dr. Manjunatha
II	All Deans and Heads of the Dept. - Members	1	Dr. Sanjeev Sharma
		1	Dr. Revathi V
		2	Dr. Anitha Rai
		3	Dr. Sowmya Narayanan
		4	Dr. Niranjana P S
		5	Dr. B Rajalakshmi
		6	Dr. Vandana C P
		7	Dr. Aravinda K
		8	Dr. Uma Reddy N V
		9	Dr. S P Manikandan
		10	Dr. Sakthivel Aruchamy
		11	Dr. Swathi Basawaraju
		12	Dr. Anusuya Devi V S
		13	Dr. Srinivasa G
		14	Dr. K A Jayasheel Kumar
		15	Prof. Rakesh C
		16	Dr. Asha V
		17	Dr. Guru Basava Aradhya S
18	Dr. Sanjeev Sharma		
III	Controller of Examination	1	Dr. Vijilius H Raj
IV	Faculty of the College representing different level of Teaching Staff	1	Dr. Nagendra.J, Associate Professor
		2	Dr. Srinath M K , Associate Professor
		3	Dr. Prashanth K S, Associate Professor
		4	Prof. Asha Rani Borah, Sr Assistant Professor
		5	Prof. J Karthiyayini, Sr Assistant Professor
		6	Dr. Vinoth Kumar, Professor
		7	Dr. Surendra B V, Associate Professor
		8	Dr. Priyameet Keer Kaur, Associate Professor
		9	Dr. B Meenakshi Sundaram, Professor
V	Expert from outside the college representing areas such as industry R&D, Tech Edu.	1	Mr. Sandeep Jain Founder & CEO, GeeksforGeeks
		2	Mr. Ananthamani, Vice President – PLM & Mech/Elec, Capgemini Engineering
		3	Dr. K N Subramanya, Principal, R V College of Engineering
VI	Nominees of University (VTU)	1	Dr. Shadashivegowda, Principal- Vidya Vardhaka College of Engineering, Mysuru

		2	Dr. Shivyoginath, Prof., Dept. of Civil Engineering, Basaveswara Engineering College, Bagalkot
VII	Dean Academics – Member Secretary	1	Dr. R. J. Anandhi

NEW HORIZON COLLEGE OF ENGINEERING

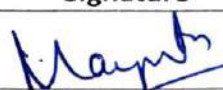
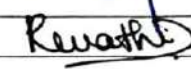
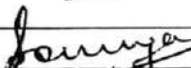
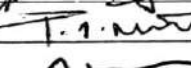
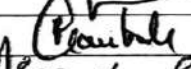
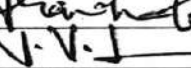
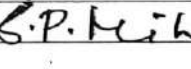
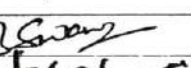

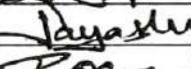
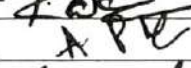





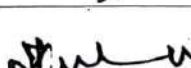
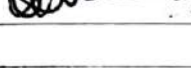
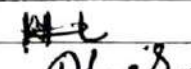
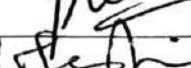



Office of Dean Academics

Academic Council Meeting for AY 2023-24

Date: 18 OCT 2023

Timings: 2 PM

Venue: Placement Discussion Room

Category	Sl No.	Member Name	Signature
Principal of the College – Chairman	1	Dr. Manjunatha	
All Deans & Heads of the Dept. – Members	1	Dr. Sanjeev Sharma	
	2	Dr. Revathi V	
	3	Dr. Anitha Rai	
	4	Dr. Sowmya Narayanan	
	5	Dr. Niranjana P S	
	6	Dr. B Rajalakshmi	
	7	Dr. Vandana CP for Dr. Rajalakshmi	
	8	Dr. Aravinda K	
	9	Dr. Uma Reddy N V	
	10	Dr. S P Manikandan	
	11	Dr. Sakthivel Aruchamy	
	12	Dr. Swathi Basawaraju	
	13	Dr. Anusuya Devi V S	
	14	Dr. Srinivasa G	
	15	Dr. K A Jayasheel Kumar	
	16	Prof. Rakesh C	
	17	Dr. Asha V	
	18	Dr. Guru Basava Aradhya S	
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	2	Dr. Srinath M K , Associate Professor	
	3	Dr. Prashanth K S, Associate Professor	
	4	Ms. Asha Rani Borah, Sr Assistant Professor	
	5	Prof. J Karthiyayini, Sr Assistant Professor	
	6	Dr.Vinoth Kumar, Professor	
	7	Mr. Surendra B V, Associate Professor	
	8	Dr. Priyameet Keer Kaur, Associate Professor	
	9	Dr. B Meenakshi Sundaram, Professor	

Category	SI No.	Member Name	Signature
Experts from outside the college representing areas such as industry, R&D, Tech. Edn	1	Mr. Sandeep Jain, Founder & CEO, GeeksforGeeks	ONLINE
	2	Mr. Ananthamani, Vice President – PLM & Mech/Elec Capgemini Engineering	ONLINE
	3	Dr. K N Subramanya, Principal, R V College of Engineering	ONLINE
Nominees of University (VTU)	1	Dr. Shadashive Gowda, Principal- Vidya Vardhaka College of Engineering, Mysuru	ONLINE
	2	Dr. Shivyogimath, Prof., Dept. of Civil Engineering, Basaveswara Engineering College, Bagalkot	ONLINE
Dean Academics – Member Secretary	1	Dr. R. J. Anandhi	<i>Anandhi</i> 18/11/23

Anandhi
18/11/23
Dean Academics

Mayur
Principal
Principal
New Horizon College of Engineering
Ring Road, Bellandur Post, Near Marathalli
Bangalore - 560103

MINUTES OF THE MEETING

Welcome address by the Principal of NHCE. The Principal of the college formally welcomed all the members and informed them that the meeting is being conducted blended mode (offline & online). Also welcomed VTU nominees: Dr. Shadashive Gowda and Dr. Shivyoginath. The member secretary extended hearty welcome to Honorable Chairman for his support. The Principal requested Dean Academics to present the ACM agenda to all ACM members.

AGENDA 1

Discussion of Scheme of Study for 2022-26 Batch Scheme(3rd to 8th Semesters) based on revised VTU guidelines

A) VTU Salient Features incorporated in 2022-26 batch scheme:

- ❖ PLC and AEC courses introduced from 3rd to 6th semesters depending upon current market requirements and upcoming technologies.
- ❖ Social Connect and Responsibility course (3rd / 4th Sem) will be conducted as practical (Activity Based).
- ❖ Universal Human Values Course is added in 3rd / 4th Sem semester as per AICTE guidelines
- ❖ Yoga / NSS / Physical Education as mandatory course (0 Credits) to be conducted from 3rd to 6th semester.
- ❖ Bio Inspired Design and Innovation course of 3rd Semester is introduced to make student to familiar with optimal solutions for nature-based problems and design.
- ❖ Research Methodology and IPR course introduced in 5th Semester.
- ❖ Management and Entrepreneur Course included in 5th Sem.

B) Curriculum has been planned and uniquely framed for 3 different streams:

- ❖ **Computer Science and Engineering Allied Stream**
 - Artificial Intelligence and Machine Learning Program
 - Computer Science and Engineering Program
 - Computer Science and Engineering (Data Science) Program
 - Computer Engineering Program
 - Information Science and Engineering Program
- ❖ **Electrical and Electronics Engineering Allied Stream**
 - Electronics and Communications Engineering Program
 - Electrical and Electronic Engineering Program

❖ **Mechanical Engineering Stream**

- Mechanical Engineering Program

C) Mathematics Courses offered based on Stream:

Stream	Semester	Mathematics Course Name	Course Code	L:T:P:S
CSE Allied Stream	III	Mathematical Foundation for Computing Sciences		3:0:0:0
	IV	Discrete Mathematics and Graph Theory		3:0:0:0
Electrical and Electronics Engineering Allied Stream & Mechanical Engineering Stream	III	Numerical Methods and Transforms		3:0:0:0
	IV	Numerical, Complex Analysis and Probability Theory		3:0:0:0

AGENDA 2

Proposal and Approval of Scheme of Study for 2022-26 Batch Scheme (3rd to 8th Semesters)

- ❖ General Scheme for 3rd to 8th semester for 2022-26 batch was discussed in details. The following points were discussed:
 - HoD- Mathematics highlighted the mathematics course of 3rd and 4th are designed based of VTU guidelines stream wise
 - Also, the mathematics syllabus discussed and approved in the department BoS
 - Course code for mathematics need to be discussed and decided by COE and Principal
 - PLC and AEC courses are decided by individual department based on skills set required for placement and higher education with minimum 4 to maximum 5 choices
 - Director – CLSSD presented the Universal Human Value & Life skills syllabus for 3rd / 4th sem as UHV mandatory course
 - UHV part of the UHV&LS syllabus is designed based on guidelines of AICTE and VTU
 - Life Skills part of UHV&LS syllabus is added to develop 21st century skills set of

students for better employability. The Syllabus is approved by the department BoS

- Non Credit Mandatory Course (NCMC): NSS / PE / Yoga courses implementation and course code will be discussed by the Principal with other colleges and VTU before commencement of 3rd Sem and will be decided soon.
- NCMC courses should be the last course in the scheme of 3rd to 6th semester
- Social Connect and Responsibility course(3rd / 4thSem) will be conducted as practical (Activity based). The course will be handled by the Mentors (giving task on Saturdays to students online).

AGENDA-3

Outcome of Board of Studies for 2022-26 Batch Scheme (3rd to 8th Semesters)

- ❖ Scheme for 2022-26 Batch (3rd to 8th Semesters) and 2nd Year Syllabus of AIML was proposed for approval by Dean Academics
- ❖ Scheme for 2022-26 Batch (3rd to 8th Semesters) and 2nd Year Syllabus of CSE-DS was proposed for approval by HOD-CSE(DS)
 - HOD-CSE(DS) informed the members that the courses are designed with alignment with VTU and other eminent university.
 - The core courses are based on Computer science engineering and AEC/PLC/Professional Electives are based on Data science engineering.
- ❖ Scheme for 2022-26 Batch (3rd to 8th Semesters) and 2nd Year Syllabus of ECE was proposed for approval by HOD-ECE
- ❖ Scheme for 2022-26 Batch (3rd to 8th Semesters) and 2nd Year Syllabus of CE was proposed for approval by Dean Academics
- ❖ Scheme for 2022-26 Batch (3rd to 8th Semesters) and 2nd Year Syllabus of CSE was proposed for approval by Dean Academics
- ❖ Scheme for 2022-26 Batch (3rd to 8th Semesters) and 2nd Year Syllabus of ISE was proposed for approval by Dean Academics
- ❖ Scheme for 2022-26 Batch (3rd to 8th Semesters) and 2nd Year Syllabus of EEE was proposed for approval by Dean Academics
- ❖ Scheme for 2022-26 Batch (3rd to 8th Semesters) and 2nd Year Syllabus of MEE was proposed for approval by Dean Academics

All proposed Scheme and Syllabus for 2022-26 batch approved by all members.

AGENDA-4

Proposal and Approval of Scheme of Study for 2021-25 Batch Scheme (5th to 8th Semesters)

A) VTU Salient Features incorporated in 2021-25 batch scheme:

- ❖ Research Methodology and IPR course introduced in 5th Semester.

- ❖ Innovation and Design Thinking course added in 5th semester.
 - ❖ Social Connect and Responsibility course(6th Sem) will be conducted as practical. The course will be handled by the Mentors (giving task on Saturdays to students online)
 - ❖ Management and Entrepreneur Course included in 6th Sem.
 - ❖ Three Internships:
 - Internship-1: Intra college internship which is already concluded during 2nd year.
 - Internship -2: Innovation/Entrepreneurship/ Societal based Internship which is scheduled after 4th semester SEE.
 - Internship-3: Research Internship/ Industry Internship /Rural Internship which will be conducted during 8th Semester
 - ❖ Yoga / NSS / Physical Education as mandatory course (0 Credits) to be conducted from 5th to 8th semester.
- B) General Scheme for 5th to 8th semester for 2021-25 batch was discussed in details. The following points were discussed:
- ❖ Research Methodology and IPR course of 5th semester has common syllabus across all programs. The teaching – learning and evaluation will be taken care by the department. The case study, numerical or any other methods of teaching- learning can be based on department requirement.
 - ❖ Innovative and Design Thinking course to be handled by the department faculty. The case study, numerical or any other methods of teaching- learning can be based on department requirement.
 - ❖ Non-Credit Mandatory Course (NCMC): NSS / PE / Yoga courses implementation and course code will be discussed by the Principal with other colleges and VTU before commencement of 5th Sem and will be decided soon.
 - ❖ Social Connect and Responsibility course(6th Sem) will be conducted as practical (Activity based). The course will be handled by the Mentors (giving task on Saturdays to students online).
 - ❖ Industrial Open Elective-1 (L:T:P:S:: 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.

AGENDA-5

Outcome of Board of Studies for 2021-25 Batch Scheme (5th to 8th Semesters)

- ❖ Scheme for 2021-25 Batch (5th to 8th Semesters) and 3rd Year syllabus of ISE was proposed for approval by Dr. Rajlakshmi, Associate Professor, ISE
- ❖ Scheme for 2021-25 Batch (5th to 8th Semesters) and 3rd Year syllabus of MEE was proposed for approval by HOD-MEE.
- ❖ Scheme for 2021-25 Batch (5th to 8th Semesters) and 3rd Year syllabus of CIVIL was proposed for approval by Dean Academics
- ❖ Scheme for 2021-25 Batch (5th to 8th Semesters) and 3rd Year syllabus of CE was proposed for approval by Dean Academics
- ❖ Scheme for 2021-25 Batch (5th to 8th Semesters) and 3rd Year syllabus of CSE was proposed for approval by Dean Academics
- ❖ Scheme for 2021-25 Batch (5th to 8th Semesters) and 3rd Year syllabus of AIML was proposed for approval by Dean Academics
- ❖ Scheme for 2021-25 Batch (5th to 8th Semesters) and 3rd Year syllabus of EEE was proposed for approval by Dean Academics
- ❖ Scheme for 2021-25 Batch (5th to 8th Semesters) and 3rd Year syllabus of MEE was proposed for approval by Dean Academics

All proposed Scheme and Syllabus for 2021-25 batch was approved by all members.

AGENDA-6

Proposal and Approval of Scheme of Study for PG programs

- ❖ Scheme and Syllabus for 2022-24 Batch (3rd and 4th Semesters) of MTech- CSE was proposed for approval by Prof. Asha Rani Borah, Senior AP, CSE
- ❖ Scheme and Syllabus for 2022-24 Batch (3rd and 4th Semesters) of MCA was proposed for approval by Dr Nirmala, Associate Professor, MCA
- ❖ Scheme and Syllabus for 2022-24 Batch (3rd and 4th Semesters) of MBA was proposed for approval by Dr Dhanalakshmi, Associate Professor, MCA

All proposed Scheme and Syllabus for 2022-24 batch of PG was approved by all members.

AGENDA-7

Minor Degree Program Regulations

- ❖ Minor Degree Program Objectives was presented by Dean Academics to all members
- ❖ Minor Degree Program - VTU Regulations were discussed by Dean Academics. The important regulations are:
 - A Minor Degree will carry 18-20 credits essential for obtaining the UG degree in Major Discipline
 - A student can opt for **only one** minor program along with the major (degree) program.
 - The student can register if he/she **has permissible backlogs up to the third semester** and provided that the student's CGPA **after the third semester does not**

fall below 5.0.

- Recommended mode for minor degree will be **ONLINE**.
- The list of the courses that are included in each track will form a syllabus for minor degree programs.
- The minor degree courses are offered between fourth to eighth semester for all branches.
- Students must register for a minor degree program within the 15 working days from the date of announcement.
- The students shall pay a **one-time non-refundable registration fee** as prescribed by the University to confirm the registration.
- **No course** should be **identical** to that of the regular B.E course.
- **At any stage, if it is found that the course is repeated, the registration will be cancelled.**
- If a student is unable to earn all the required 18 credits in a specified duration, he/she shall **NOT** be awarded a Minor degree.
- However, if the student earns all the required 160 credits of B.E, he/she will be awarded only B.E degree in the concerned branch.
- All the students who complete the course and submit their certificates in time before the closure of the 8th Semester as per the academic calendar shall be eligible for the “Minors” qualification.
- The “Minors” qualification shall be suffixed to the respective degrees and shown in the Degree certificate as a recognition of higher achievement by the student concerned

- ❖ All BoS chairman’s were requested to give their opinion on Minor degree implementations

AGENDA-8

Discussion on Honours Degree Rules and Regulations

- ❖ Honours Degree Rules and Regulations was put forward by Dean Academics to all members
- ❖ The important changes in rules and regulations proposed by VTU are:
 - Registration to 'Honours' qualification shall start from **fifth semester** onwards.
 - The Registrants shall have obtained a **grade > D** in all the courses in the first attempt only, in the semesters until this stage.
 - The Registrants shall have obtained a **CGPA > 7.50** at the end of the fourth semester.
 - The lateral entry Diploma students shall have completed Additional Mathematics I and II during 3rd and 4th semesters in first attempt only.
 - Students shall maintain a **grade \geq D** in all the courses of fifth to eight semesters in first attempt only.
 - Students shall choose, online courses **totalling to 18 or more credits** from the bouquet of **approved online courses, by institution/University.**

- Students failing to maintain a **grade \geq D** in all the courses of fifth to eight semesters in first attempt only shall discontinue the attempt to earn additional credits, for Honours degree.
- Additional credits earned through NPTEL shall not be considered for the calculation of CGPA as well as rank declaration.
- The Award of the HONOURS degree shall be recommended by the Academic council and approved by the Governing Council of the Institution.

AGENDA-9

Result Analysis of VI, VIII Semester BE and IV Semester PG

- ❖ The overall program wise results of VI and VIII Semesters UG was presented by COE
- ❖ The course wise results of all programs of VI and VIII Semesters UG was presented by COE
- ❖ The overall program wise results of IV semester of PG were presented by COE
- ❖ The course wise results of all programs of IV semester of PG were presented by COE

AGENDA-10

Discussion on successive failure for 2021 batch

- ❖ The regulations for students with F grade for 2021 batch was presented by COE.
- ❖ Students are allowed to retake the examination three times only, with the CIE from the first attempt being considered. Absence from an exam after registering is also considered as an attempt.
- ❖ If the student fails after the third attempt, he or she will be awarded NE grade. In that case, the student must re-register for the course during supplementary semester and attend all classes to ensure that they satisfy the attendance (Minimum 85%), CIE (minimum 40%), and other eligibility requirements as specified by the regulations.
- ❖ The student must complete the course with a F grade within two academic years, otherwise, the course will be graded as NE.

The proposed regulations were approved by all BOS members.

AGENDA-11

Any other points with Approval of Chairman

- ❖ The Principal informed all the members the plan for AY 2023-24:
 - Technical Advisory Committee at College level is formed for all major recruiters
 - After the successful completion of International conference on Multi-Disciplinary Research in Technology and Management (MRTM)-2023, NHCE will be conducting International Conference on Multi-Disciplinary Research in Technology and Management (MRTM)-2024.
 - Awareness about OBE through workshops based on NBA team observations.

- ❖ The student must complete the failed course (awarded as F grade) within two academic years.

The proposed regulations were approved by all ACM members.

AGENDA-11

Any other points with Approval of Chairman

- ❖ The Principal informed all the members the plan for AY 2023-24:
 - Technical Advisory Committee at College level is formed for all major recruiters
 - After the successful completion of International conference on Multi-Disciplinary Research in Technology and Management (MRTM)-2023, NHCE will be conducting International Conference on Multi-Disciplinary Research in Technology and Management (MRTM)-2024.
 - Awareness about OBE through workshops based on NBA team observations.
 - NBA Tier-1 accreditation:
 - EEE and ISE programs underwent First cycle in Sept 2023. The results of which yet to be announced
 - CSE, ECE, ME programs will apply for Second cycle in next year.
 - Awareness programs will be conducted for Internships, Honours degree and Minor Degree program for 5th Sem students by all HoDs on 25th Oct 2023.

Vote of Thanks by Member Secretary

The Dean Academics-Member Secretary of the Academic Council thanked all the members of ACM for active participation in designing of scheme and syllabus for 2022-2026 batch and 2021-25 batch for AY 2022-2023. She thanked the VTU nominees: Dr. Shadashive Gowda and Dr. Shivyoginath for their valuable suggestions. She also thanked the experts: Mr. Sandeep Jain, Founder & CEO, GeeksforGeeks, Mr. Ananthamani, Vice President – PLM & Mech/Elec, Capgemini Engineering and Dr. K N Subramanya, Principal, R V College of Engineering. She also expressed her heartfelt thanks to Honorable Chairman and Principal for their support.


Dean-Academics


Principal
Principal
New Horizon College of Engineering
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Bangalore - 560103