



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

24th Academic Council Meeting

7th December, 2022

Minutes of the Meeting

VENUE: Conference Room, Chatrapathi Shivaji Block

TIME: 02:00 PM

NEW HORIZON COLLEGE OF ENGINEERING
ACADEMIC COUNCIL MEETING -AY 2022-2023

AGENDA

Date: 7/12/2022

Venue: Conference Hall, Chatrapathi Shivaji Block/Blended Mode

Time: 02.00 pm

AGENDA Points:

1. Welcome address
2. Discussion of Scheme of Study for 1st Year UG Program for the AY 2022-2023 based on revised VTU guidelines³ based on revised VTU guidelines.
3. Salient features of the proposed scheme.
4. Proposed Credit Structure in alignment with VTU
5. Proposal and Approval of Scheme of Study for 1st year – AY 2022-2023
6. Any other points for discussion with the permission of the Chairman.

Members of the Academic Council

Sl No.	Category	Sl No.	Name
I	Principal of the College - Chairman	1	Dr. Manjunatha
II	Dean-QASDC	1	Dr.Sanjeev Sharma
III	All Heads of the Dept. - Members	1	Dr. Niranjan P S
		2	Dr. B Rajalakshmi
		3	Dr. Aravinda K
		4	Dr. Mohan H.S
		5	Dr. Shridhar Kurse
		6	Dr. Revathi V
		7	Dr. Anusuya Devi V S
		8	Dr. Asha V
		9	Dr. Sheelan Misra
		10	Dr. Srinivasa G
		11	Dr.Mahesh
		12	Dr. Sowmya Narayanan
		13	Dr.Manikandan
		14	Dr. Uma Reddy
		15	Dr.Siddesha G.K
IV	Controller of Examination	1	Dr. Vijilius H Raj
V	Nominees of University (VTU)	1	Dr. Shadashive gowda, Principal- Vidya Vardhaka College of Engineering, Mysuru
		2	Dr. Shivyoginath, Prof., Dept. of Civil Engineering, Basaveswara Engineering College, Bagalkot
VI	Dean Academics – Member Secretary	1	Dr. R. J. Anandhi



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New Horizon Knowledge Park, Ring Road, Bellandur Post, Bengaluru 560 103

ACM MEETING: ATTENDANCE SHEET

VENUE: CONFERENCE HALL/Blended Mode

Date: 07.12.2022

Time: 2:00 PM

Sl No.	Category	Sl No.	Name	Signature
I	Principal of the College - Chairman	1	Dr. Manjunatha	
II	Dean-QASDC	1	Dr. Sanjeev Sharma	
III	All Heads of the Dept. - Members	1	Dr. Niranjana P S	
		2	Dr. B Rajalakshmi	67 Dec. 2022
		3	Dr. Aravinda K	
		4	Dr. Mohan H.S	
		5	Dr. Shridhar Kurse	
		6	Dr. Revathi V	
		7	Dr. Anusuya Devi V S	
		8	Dr. Asha V	
		9	Dr. Sheelan Misra	
		10	Dr. Srinivasa G	
		11	Dr. Mahesh M	
		12	Dr. Sowmya Narayanan	ONLINE
		13	Dr. Manikandan - S.P.	
		14	Dr. Uma Reddy	
		15	Dr. Siddesh G.K	



NEW HORIZON COLLEGE OF ENGINEERING


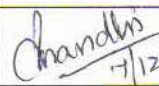
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Sl No.	Category	Sl No.	Name	Signature
IV	Controller of Examination	1	Dr. Vijilius H Raj	ONLINE
V	Expert from outside the college representing areas such as industry R&D, Tech Edu.	1	Mr. Manasa Dasgupta, Chair of Young BCIC Expert Committee.	ONLINE
		2	Mr. Ananthamani, General Manager, Capgemini	ONLINE
		3	Prof. K.N.Subramanya, Principal, R.V College of Engineering	ONLINE
VI	Nominees of University (VTU)	1	Dr. B Sadashive Gowda Principal, Vidya Vardhaka College of Engineering, Mysuru	ONLINE
		2	Dr.C.B.Shivayogimath, Prof., Dept of Civil Engineering Basaveswar Engineering College, Bagalkot	 7/12/2022
VII	Dean Academics - Member Secretary	1	Dr. R. J. Anandhi	 7/12/22

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.

AGENDA 1

Discussion of Scheme of Study for 1st Year UG Program for the AY 2022-2023 based on revised VTU guidelines

A) 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

B) Engineering Science Courses (ESC) offered:

Sl. No.	Course Code	Courses	L:T:P:S	Credits
1	22ESC141/241	Basic Electronics	3:0:0:0	3
2	22ESC142/242	Introduction to Electrical Engineering	3:0:0:0	3
3	22ESC143/243	Basic Mechanical Engineering	3:0:0:0	3
4	22ESC144/244	Basic Civil Engineering	3:0:0:0	3
5	22CSE13/23	Data Structures using C	2:0:1:0	3

- Data Structures using C is introduced with lab to make all program students ready for placement.

C) Programming Language Courses (PLC) offered:

Sl. No.	Course Code	Courses	L:T:P:S	Credits
1	22PLC151/ 251	Problem Solving using Python	2:0:1:0	3
2	22PLC152/ 252	Introduction to C++ Programming	2:0:1:0	3
3	22PLC153/ 253	Introduction to Web Programming	2:0:1:0	3

- Integrated Lab with lab SEE
- All courses under PLC can be taught by Any Department
- Since many biology students are admitted in first year, Java will be given in higher semester.
- All faculty are trained for PLC courses through FDP's and NPTEL courses

D) Emerging Technology Courses (ETC) offered:

Sl. No.	Course Code	Courses	L:T:P:S	Credits
1	22ETC151 / 251	Robotics and Automation	3:0:0:0	3
2	22ETC152 / 252	Basic Elements of Electric Vehicles	3:0:0:0	3
3	22ETC153 / 253	Introduction of Internet of Things	3:0:0:0	3
4	22ETC154 / 254	Introduction to Drone Technology	3:0:0:0	3
5	22ETC155 / 255	Introduction to Cyber Security	3:0:0:0	3
6	22ETC156 / 256	Introduction to Nano Technology	3:0:0:0	3
7	22ETC157 / 257	Renewable Energy Sources	3:0:0:0	3

- All courses under ETC can be taught by Any Department
- Three new ETC are introduced:
- Robotics and Automation
- Basic Elements of Electric Vehicles
- Introduction to Drone Technology

E) The Dean Academics- Member Secretary introduced the **non-mandatory non-credit Foreign Language courses.**

- Foreign Language Courses (FLC) offered:

Sl. No.	Course Code	Courses
1	22FLC191/ 291	French
2	22FLC192/ 292	German
3	22FLC193/ 293	Spanish
4	22FLC194/ 294	Japanese

- Based on Students request, support for Foreign language courses will be provided.
- This was much appreciated by VTU Nominee and Council members.

AGENDA 2

Salient Features of the Proposed Scheme

- ❖ Curriculum is made Industry relevant, Application-oriented and Branch relevant
- ❖ Emerging Technologies are introduced from First Year
- ❖ Choice Based Credit System is implemented to a larger extent
- ❖ Ample opportunities for exploration of Elective Courses by the students
- ❖ Implementation of Integrated Courses from the first year
- ❖ Foreign Language options are introduced for interested students
- ❖ Faculty are trained to handle any courses under ETC and PLC Basket

AGENDA-3

Proposed Credit Structure in Alignment with VTU

- **Number of Credits – Semester-wise**

Sl. No	Semester	No of Credits
1	I Semester	20
2	II Semester	20
3	III Semester	21
4	IV Semester	21
5	V Semester	20
6	VI Semester	20
7	VII Semester	22
8	VIII Semester	16
	Total	160

- **First Year Credit Distribution**

Sl. No.	Category	VTU First Year Credits	NHCE Proposed Curriculum
1	Humanities and Social Sciences	02	02
2	Basic Science courses	16	16
3	Engineering Science courses (including ETC and PLC)	18	18
4	Ability Enhancement Courses	04	04
5	Non-Mandatory Non- Credit Courses	NA	Proposed
	Total	40	40

AGENDA-4

Proposal and approval of scheme of study for 1st year – AY 2022-2023

The Member Secretary has proposed following scheme for approval (Physics and Chemistry cycle):

- **Scheme for CSE allied branches (CSE/ISE/AIIML/CE/DS)**
- **Scheme for EE allied branches (ECE/EE)**
- **Scheme for ME branch**

All proposed Scheme was approved by all members.

AGENDA-5

Any other points with approval of Chairman

- The Chairman requested Dean Academics to go through the Syllabus.
- All BoS Chairman are requested to send syllabus with following updation:
 - Only reference books with new edition.
 - Learning resources (weblinks, YouTube links, publications etc.) can be added.
- Maths lab handling faculty to be encourage to get well versed with lab software.
- Yoga syllabus changes:
 - 20% of syllabus should be practical session
 - Reference books should be Indian author
- Robotics and Automation (22ETC151 /251) syllabus were appreciated by committee members.
- HOD-Chemistry expressed her view that ETC- Introduction to Nano Technology can be under Applied Sciences BoS and all the members agreed for the same.
- Dr Niranjana- HOD Civil explained how Innovation and Design Thinking course will be delivered in unique way. The course is offered with lots of case studies and students will be exposed to experiential learning.

The forum was open for further discussion and advice

- Members expressed overall satisfaction with the curriculum and the suggestions.
- VTU Nominee- Dr. Sadashive Gowda expressed his heartfelt congratulations to whole team for framing curriculum in line with NEP and VTU. He also appreciated the salient features of proposed curriculum.

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 1st year curriculum for AY 2022-2023. She thanked the VTU nominees: Dr. Shadashive Gowda and Dr. Shivyoginath for their valuable suggestions. She also expressed her heartfelt thanks to Honorable Chairman and Principal for their support.

Anandhi

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

Mayrithy
3/1/2022.