



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

21st Academic Council Meeting

25th Feb, 2022

Minutes of the Meeting

VENUE: Conference Room, Chhatrapathi Shivaji Block

TIME: 02:30 PM



NEW HORIZON COLLEGE OF ENGINEERING

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Date: 11/02/22

NHCE / ACM /25th Feb /2022

To,

Dr. Mary Cherian,
Prof., Dept. of CSE,
A.I.T. Bangalore

Respected Sir,

Sub: Invitation for the Academic Council Meeting

This is to bring to your kind notice that an Academic Council Meeting is planned on Friday 25th Feb 2022 in **blended mode** at 2:30 pm onward. Online meeting google link will be sent to you day prior.

We are so much privileged to have your esteemed self as one of the experts from outside the college whose knowledge can guide us in achieving more heights.

Sir, we kindly request you to make it convenient to attend the ACM.

Thanking You

With Warm Regards


DEAN-ACADEMICS



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NHCE / ACM /25th Feb /2022

To,

Dr. Shadashive Gowda,
Principal- Vidya Vardhaka College of Engineering,
Mysuru

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Prof., Dept. of Civil Engineering,
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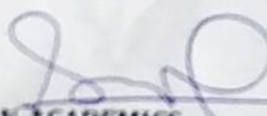
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All Heads of the Department , (as per attached list)

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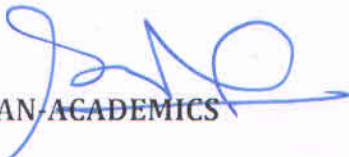
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DEAN-ACADEMICS

NEW HORIZON COLLEGE OF ENGINEERING

ACADEMIC COUNCIL MEETING –AY 21-22

AGENDA

Date: 25/02/2022

Venue: Conference Hall, Chhatrapathi Shivaji Block/Blended Mode

Time: 02:30 pm

AGENDA Points:

1. BOS –Initial Discussion of BE scheme & syllabus for NEP 160 credits for all the departments- Revisited
2. Discussion on Ability Enhancement Courses for all the programs for 160 Credits.
3. Discussion on Research Outcomes.
4. KSCST Project Proposals Submission.
5. Guidelines for Syllabus Coverage and CIE Conduction - Lateral Entry Classes.
6. Guidelines for BOS Conduction across the departments.
7. Calendar of Events for Commencement of Even Semester-2021-22.
8. Innovative Teaching Methodology by Faculty across all the departments.
9. General Suggestions
10. 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	All Heads of the Dept. - Members	1	Dr. Niranjan P S
		2	Dr. B Rajalakshmi
		3	Dr. Sanjeev Sharma
		4	Dr. R. J. Anandhi
		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. Uma Reddy
		14	Dr. Manikandan
III	Controller of Examination	1	Dr. Vijilius H Raj
IV	Teachers of the College representing different level of teaching staff	1	Dr. Nagendra.J, Associate Professor
		2	Mr. Puneeth H V ,Sr Assistant Professor
		3	Dr. B Mohan Kumar Naik - Professor
		4	Dr. Aravinda Associate Professor
		5	Dr. Pamela Vinitha Professor
		6	Dr. Jagadeesh Sr. Assistant. Prof
		7	Mr. Surendra .B Associate Professor
		8	Dr. A R Sainath Professor
		9	Dr. B Meenakshi Sundaram Professor
		10	Ms. Vandana C P Sr. Assistant. Prof
VI	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
		3	Dr. Mary Cherian, Prof., Dept. of CSE, Dr. A.I.T. Bangalore
VII	Dean Academics - Member Secretary	1	Dr. Amarjeet.Singh

MINUTES OF THE MEETING

Welcome address by the Chairman of the Academic Council

The Chairman of the Academic Council formally welcomed all the members and informed them that the meeting is being conducted online due to the pandemic situation prevailing in the country. He once again welcomed all the members of the ACM for the meeting and requested the Member Secretary to continue with the proceedings.

AGENDA 1

BOS – Initial Discussion of BE scheme & syllabus for NEP 160 credits for all the departments- Revisited

- a) Ratification of the credit distribution and syllabus of B.E & P.G program of the following branches as recommended by the respective BOS
 - a. Basic Science (Physics, Chemistry, & Mathematics)
 - b. Automobile Engineering
 - c. Artificial Intelligence & Machine Learning
 - d. Computer Engineering
 - e. Civil Engineering
 - f. Computer Science and Engineering
 - g. Electronics and Communication Engineering
 - h. Electrical and Electronics Engineering
 - i. Information Science and Engineering
 - j. Life Skills
 - k. Mechanical Engineering
 - l. Management Studies
 - m. Master of Computer Application

Basic Science (Physics, Chemistry, & Mathematics)

- The Dean-Academics presented the scheme and syllabus for I year B.E as per the VTU guidelines **NEP 2020 (160 credits)** and the same was approved by the members of the Academic Council.

AGENDA-2

Discussion on Ability Enhancement Courses for all the programs for 160 Credits.

- The Dean of Academics suggested the Ability Enhancement courses (NEP) be included across all the departments based on the Industry needs and students' competence.
- The scheme and syllabus of the Department of Information Science and Engineering were presented for the same and Ability Enhancement Courses "Life Skills for Engineering", "Problem Solving Using C", and "Web Internet Programming" was discussed.
- Course Code and Credits for AEC were approved.

AGENDA-3

Discussion on Research Outcomes

- Suggestions with respect to Faculty paper publications in Scopus and Q1, and Q2 Journals were discussed.
- With consent from all the HODs and Deans, students were informed to publish their project work at IEEE Conferences

AGENDA-4

KSCST Project Proposals Submission

- Dean of Academics focused on the importance of the Karnataka State Council of Science and Technology (KSCST) project proposals – 45th series and informed all the HODs to encourage students to submit the proposals.
- 65 Projects were sanctioned under the KSCST-45th series.
- Mid-term evaluation guidelines were discussed.

AGENDA-5

Guidelines for Syllabus Coverage and CIE Conduction - Lateral Entry Classes

- Check on Syllabus coverage and CIE conduction for Lateral entry students were discussed and approved by all the HODs.
- Readiness on the Lateral Entry students for SEE exams and suggestions to improve the same were discussed.

AGENDA-6

Guidelines for BOS Conduction across the departments

- Dean of Academics suggested the Board of Studies (BOS) meeting be conducted across all the departments with an External Member from the IITs, NITs, IIITs, and IISc, the importance of the same was discussed.
- Common guidelines and protocols to adhere with respect to NEP were engrossed.

AGENDA-7

Calendar of Events for Even Semester-2021-22.

- The 6th and 8th semesters were decided to start from March-9th and the 4th semester from April 4th, and the guidelines for the same were discussed and approved.

AGENDA-8

Innovative Teaching Methodology by Faculty across all the departments

- The Dean of Academics suggested all the faculty to follow an Innovative teaching method for their respective courses and document the same, the importance of same was discussed.

AGENDA-9

General Suggestions

- Suggestions to improve the Teaching-Learning process with Innovative teaching methods.
- Minimum one Expert Lecture per semester by an External Speaker from any of the reputable Foreign Universities.
- MOU
- Minimum 10 hours of Industry lecture per section per semester, ensuring varied Industry Speakers were suggested and discussed.

The forum would be open for further discussion and advice

Members expressed overall satisfaction with the curriculum and the suggestions.

Vote of Thanks by Member Secretary

The Member secretary expressed his sincere thanks to all the members for attending the meeting and also for their valuable input. The Chairman of the Academic council once again thanked all the members and formally concluded the meeting.

Name and Signatures of all the Attendees:

Sl.No	Name	Signature
1	Dr.Manjunatha	Online
2	Dr.Shadashive Gowda	Online
3	Dr.Shivyoginath	Online
4	Dr.Mary Cherian	Online
5	Dr.Amarjeet Singh	Online
6	Dr.Niranjan.P.S	Online
7	Dr.B.Rajalakshmi	Online
8	Dr. Sanjeev Sharma	Online
9	Dr.R.J.Anandhi	Online
10	Dr.Shridhar Kurse	Online
11	Dr.Revathi.V	Online
12	Dr.Anusuya Devi V.S	Online
13	Dr.Asha.V	Online
14	Dr.Sheelan Misra	Online
15	Dr.Srinivasa.G	Online
16	Dr.Mahesh	Online
17	Dr.Sowmya Narayanan	Online
18	Dr.Uma Reddy	Online
19	Dr.Manikandan	Online
20	Dr.Vijilus H.Raj	Online
21	Dr.Nagendra.J	Online
22	Mr.Puneeth.H.V	Online
23	Dr.B.Mohan Kumar Naik	Online
24	Dr.Aravinda.K	Online
25	Dr.Pamela Vinitha	Online
26	Dr.Jagadeesh	Online
27	Mr.Surendra.B	Online
28	Dr.A.R. Sainath	Online
29	Dr.B.Meenakshi Sundaram	Online
30	Ms.Vandana.C.P	Online



Proposed Course Wise credit Distribution

[illegible]

Ability Enhancement Courses

Sl. No	Course Name	No of Credits	Semester
1	Life Skills for Engineers	02	III/IV
2	Research Methodology	02	V
3	Domain based AEC -I	02	III/IV
4	Domain based AEC -II	02	V
Total : 4 courses		08 Credits	

NEW HORIZON COLLEGE OF ENGINEERING

CALENDAR OF EVENTS FOR ODD SEMESTER BE (III Semester Lateral Entry) AY 2021-22

Commencement: 10.1.2022
Last Working Day: 04.03.2022

Month	Week No.	SUN	MON	TUE	WED	THU	FRI	SAT	SUN	Events/Holidays	Activities (Internal Tests, Quiz & Others)
Jan	1		10	11	12	13	14	15	16	5th Mahara Shtracrthi	10th Jan - Commencement of classes
	2		17	18	19	20	21	22	23		
	3		24	25	26	27	28	29	30	26th Republic Day	Assignment -1, Quiz-1
	4		31				4	5	6		1st, 2nd, 3rd Feb - OIE-1
Feb	5		7	8	9	10	11	12	13		
	6		14	15	16	17	18	19	20		Assignment -2, Quiz-2
	7		21	22	23	24	25	26	27		24th, 25th, 26th Feb - OIE-2
	8		28								
March	9				2	3	4	5	6	4th - Last working day	

Principal
PRINCIPAL

DEAN ACADEMICS
Dean

NOTE
Commencement / Closure Dates
Holidays
Internal Tests



To: All the HOD'S
All the HOD'S are requested to complete the syllabus with in last working day

Principal
10/1/2022

NEW HORIZON COLLEGE OF ENGINEERING
CALENDAR OF EVENTS FOR EVEN SEM AY2021-22
B.E. (IV SEM)

Last Working Days: 29.07.2022

MONTH	Week No.	MON	TUE	WED	THU	FRI	SAT	SUN	Exams/Events	Autonomous (Internal Tests, Quiz & Projects)
Apr	1	2	3	4	5	6	7	8	9	10
	2	11	12	13	14	15	16	17	18	19
	3	20	21	22	23	24	25	26	27	28
	4	29	30	1	2	3	4	5	6	7
May	5	8	9	10	11	12	13	14	15	16
	6	16	17	18	19	20	21	22	23	24
	7	24	25	26	27	28	29	30	31	1
	8	2	3	4	5	6	7	8	9	10
June	9	11	12	13	14	15	16	17	18	19
	10	20	21	22	23	24	25	26	27	28
	11	29	30	1	2	3	4	5	6	7
	12	8	9	10	11	12	13	14	15	16
Jul	13	17	18	19	20	21	22	23	24	25
	14	26	27	28	29	30	31	1	2	3
	15	3	4	5	6	7	8	9	10	11
	16	12	13	14	15	16	17	18	19	20

Notes:

1. The calendar is subject to change without prior notice.
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Dear All,

Greetings !

We all, are well aware that, introducing various pedagogies in our day to day teaching, will motivate students' to be more engaged in classes and also subsequently their learning quotient increases.

A list of such learning approaches is enclosed for your reference, and the list can also be augmented as per the innovations from the department. Let's motivate the faculty to incorporate minimum of one such pedagogy , every month. (One class room session out of 16 sessions).
Slowly this habit of using innovation in teaching, will come into daily routine, soon.

A report template is also enclosed , which every faculty can use for documentation, after they incorporate any of the innovative practices in their classroom.



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PEDOGOGICAL METHODS

SLNO	PEDOGOGICAL METHODS	EXPLANATION
1.	Lecturing approach	A teaching method comprises the principles and methods used by teachers to enable student learning.
2	Activity based learning	In Activity-based Learning, education takes a child-centred approach. This approach develops self-learning skills and encourages children to study according to their skills.
3.	Discussion approach	The discussion method is one in which the students and the instructor exchange their ideas in order to get a better understanding of a topic
4.	Experiential learning approach	Experiential Learning is the process of learning by doing. By engaging students in hands-on experiences and reflection, they are better able to connect theories and knowledge learned in the classroom to real-world situations.
5.	Collaborative learning approach	A collaborative (or cooperative) learning approach involves pupils working together on activities or learning tasks in a group small enough to ensure that everyone participates.
6.	Games and simulation approach	Simulation and Gaming refers to a series of instructional designs that use elements from simulation and gaming. Simulation and Gaming can be done with board games, computer assisted board games, or fully computerized environments.
7.	Team based/cooperative learning	Team-based learning (TBL) is defined as “an active learning and small group instructional strategy that provides students with opportunities to apply conceptual knowledge through a sequence of activities that includes individual work, team work, and immediate feedback”
8.	Case based learning	Case-based learning, or, the case method, is a student-centered learning approach. This method uses cases –

		hypothetical, or real-life problems – to supplement theoretical knowledge.
9.	Problem solving approach	A problem-solving approach is a technique people use to better understand the problems they face and to develop optimal solutions
10.	Design thinking approach	In a Design Thinking classroom, both teachers and students engage in hands-on design challenges that focus on “developing empathy, promoting a bias toward action, encouraging ideation, developing metacognitive awareness and fostering problem-solving” .
11.	Inquiry guided approach	Guided inquiry is a type of inquiry-based learning where a teacher provides scaffolding to guide the students through their inquiries.



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22nd Academic Council Meeting

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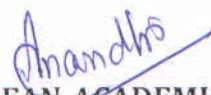
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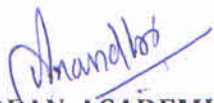
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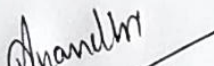
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Teachers of the College(representing different level of teaching staff, as per attached list)

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ACADEMIC COUNCIL MEETING –AY 22-23

AGENDA

Date: 17/06/2022

Venue: Conference Hall, Chhatrapathi Shivaji Block/**Blended Mode**

Time: 02.30 pm

AGENDA Points:

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1. Welcome address
2. BOS –Approval of BE scheme & syllabus for NEP 160 credits for all the departments.
3. BOS- Approval of BE scheme & syllabus for 175 & 200 credits for all the departments
4. Discussion and approval of Academic Guidelines for all the programs for 160 Credits.
5. Approval of Ability Enhancement Courses for all the programs for 160 Credits.
6. Ratification of mode semester and examination for the course with L:T:P:S :0:000 to be conducted.
7. Updating and approval of VTU regulation governing the Ph.D
8. Discussion and Approval of Minor Degree for the 160 credit batches.
9. Discussion of NPTEL course updates.
10. 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. Niranjana P S
		2	Dr. B Rajalakshmi
		3	Dr. Aravinda K
		4	Dr. R. J. Anandhi
		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. Uma Reddy
		14	Dr. Manikandan
IV	Controller of Examination	1	Dr. Vijilius H Raj
V	Teachers of the College representing different level of teaching staff	1	Dr. Nagendra.J, Associate Professor
		2	Dr. Srinath ,Associate Professor
		3	Dr. Piruthiviraj , Associate Professor
		4	Mrs. Swathi ,Sr. Assistant Professor
		5	Dr. Vinoth Kumar, Associate Prof
		6	Dr. Jagadeesh Sr. Assistant. Prof
		7	Mr. Surendra .B Associate Professor
		8	Dr. A R Sainath Professor
		9	Dr. B Meenakshi Sundaram Professor
		10	Ms. Vandana C P Sr. Assistant. Prof
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
		3	Dr. Mary Cherian, Prof., Dept. of CSE, Dr. A.I.T. Bangalore
VII	Dean Academics - Member Secretary	1	Dr. R. J. Anandhi

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MINUTES OF THE MEETING

Welcome address by the Chairman of the Academic Council

The Chairman of the Academic Council formally welcomed all the members and informed them that the meeting is being conducted online due to the pandemic situation prevailing in the country and requested the Member Secretary to continue with the proceedings.

AGENDA 1

BOS –Approval of BE scheme & syllabus for NEP 160 credits for all the departments.

- a) Approval of the credit distribution and syllabus of B.E & P.G program of the following branches as recommended by the respective BOS
- a. Basic Science (Physics, Chemistry, & Mathematics)
 - b. Automobile Engineering
 - c. Artificial Intelligence & Machine Learning
 - d. Computer Engineering
 - e. Civil Engineering
 - f. Computer Science and Engineering
 - g. Electronics and Communication Engineering
 - h. Electrical and Electronics Engineering
 - i. Information Science and Engineering
 - j. Life Skills
 - k. Mechanical Engineering
 - l. Management Studies
 - m. Master of Computer Application

Basic Science (Physics, Chemistry, & Mathematics)

- The Dean-Academics presented the scheme and syllabus for I,II year B.E as per the VTU guidelines **NEP 2020 (160 credits)** and the same was approved by the members of the Academic Council.

AGENDA 2

BOS- Approval of BE scheme & syllabus for 175 & 200 credits for all the departments

Approval of the credit distribution and syllabus of B.E& P.G program of the following branches as recommended by the respective BOS

- a. Automobile Engineering

- b. Artificial Intelligence & Machine Learning
 - c. Computer Engineering
 - d. Civil Engineering
 - e. Computer Science and Engineering.
 - f. Electronics and Communication Engineering
 - g. Electrical and Electronics Engineering
 - h. Information Science and Engineering
 - i. Mechanical Engineering
- The Dean-Academics presented the scheme and syllabus for 3rd and 4th year across the departments and the same was approved by the members of the Academic Council.

AGENDA-3

Discussion and approval of Academic Guidelines for all the programs for 160 Credits.

- The Dean-Academics presented the VTU Guidelines, scheme and syllabus for 3rd and 4th semester across all departments and the same was discussed with respect NHCE scheme and syllabus, approved by the members of the Academic Council.

AGENDA-4

Approval of Ability Enhancement Courses for all the programs for 160 Credits.

- The Dean of Academics revisited the Ability Enhancement courses (NEP) be included across all the departments based on the Industry needs and students' competence.
- The scheme and syllabus across the departments were approved.

AGENDA-5

Ratification of mode semester and examination for course with L:T:P:S:0:0:0:0 to be conducted.

The Dean-Academics revisited the course structure and credit distribution with respect to the courses Basic Applied Mathematics -1, Communicative English, Basic Applied Mathematics – 2, Physical Education, the same was discussed with HOD-Applied Sciences and HOD-Life Skills.

AGENDA-6

Updating and approval of VTU regulation governing the Ph.D

The Dean-Academics discussed guidelines with respect to VTU Ph.D. and the same was conveyed to faculty and Research students across the college.

AGENDA-7

Discussion and Approval of Minor Degree for the 160 credit batches.

The Dean of Academics presented Minor degree courses proposed across the departments, scheme and syllabus for the same was discussed and approved.

- Department of AI&ML- AI&ML
- Department of AI&ML- Internet of Things(IoT)
- Department of Computer Science &Engineering- Digital Marketing
- Department of Electronics and Communication Engineering- VLSI Design
- Department of Information Science and Engineering – Data Science
- Department of Management Studies- Human Resource Management
- Department of Management Studies- International Business Management
- Department of Mechanical Engineering- Robotics & Automation
- Department of Civil Engineering- Construction Practices & Management
- Department of Electrical & Electronics Engineering- Electric vehicle

AGENDA-8

Discussion of NPTEL course updates

The Dean of Academics suggested the importance of NPTEL Courses across departments and introducing NPTEL as mandatory courses for second-semester students. The same was discussed and approved by HOD-Physics and HOD- Chemistry.

In view of the betterment of Research &Development, faculty were suggested to take up Research related NPTEL Courses.

The forum would be open for further discussion and advice

Members expressed overall satisfaction with the curriculum and the suggestions.

Vote of Thanks by Member Secretary

The Member secretary expressed his sincere thanks to all the members for attending the meeting and also for their valuable input. The Chairman of the Academic council once again thanked all the members and formally concluded the meeting.