



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

23rd Academic Council Meeting

27th August, 2022

Minutes of the Meeting

Anandhi
29/8/22

Dr R. J. Anandhi
Professor and Dean-Academics
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Mayanthu

Principal
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NEW HORIZON COLLEGE OF ENGINEERING

ACADEMIC COUNCIL MEETING

AGENDA

Date: 27/08/2022

Venue: GD-4, HRD Department, Chhatrapati Shivaji Block/ Online Google Meet

Time: 11.00 am

AGENDA POINTS

1. Welcome address by the Chairman of the Academic Council.
2. Discussion and seeking approval of scheme of BE Programs of AIML, CE, CIV, CSE, ECE, EEE, ISE, ME for NEP 160 credits from 1st to 8th Semesters.
3. Discussion and seeking approval of scheme and syllabus of MCA, MBA, MTech Programs from 1st to 4th Semesters for the academic year 2022-23
4. Discussion and approval of 1st and 2nd semester syllabus for the academic year 2022-23
5. Discussion and approval of equivalent subject for later entry students who will be making admission to 3rd semester from AY 2022-23 onwards.
6. Discussion on syllabus of 3rd & 4th Semester of 160 credits schemes for the BE Programs of AIML, CE, CIV, CSE, ECE, EEE, ISE, ME.
7. Discussion and Approval of list of Ability Enhancement Courses for BE Programs.
8. Discussion on Minor Degree Programmes
9. Ratification of SEE Pattern for few Courses
10. Ratification and approval of BE 8th Semester results.
11. Discussion / approval of equivalence for the students who are seeking re-admission/rejoining to 3rd semester to 160 scheme from 175 credit scheme.
12. Approval of Calendar of events of BE Programs Odd Semester – 3rd, 5th & 7th semesters AY 2022-23.
13. Discussion of Graduation List of AY 2021-22.
14. Any other points for discussion with the permission of Chairman.
15. Forum would be open for further discussion and advice.
16. Vote of Thanks by Member Secretary

Members of the Academic Council

S.No.	Category	Sl No.	Name
I	Principal of the College - Chairman	1	Dr. Manjunatha
		2	Dr. Siddesha G K
		3	Dr. Niranjan P S
		4	Dr. B Rajalakshmi
		5	Dr. Mohan HS
		6	Dr. Sanjeev Sharma
		7	Dr. Mahesh M
		8	Dr. Aravinda K
		9	Dr. Shridhar Kurse
	All Heads of the Dept. - Members	10	Dr. Uma Reddy NV
		11	Dr. SP Manikandan
		12	Dr. Revathi V
		13	Dr. Anusuya Devi VS
		14	Dr. Asha V
		15	Dr. Sheelan Misra
		16	Dr. Srinivasa G
		17	Dr. Sowmya Narayanan
		18	Dr. Anitha Rai
	III	Controller of Examination	1
IV	Teachers of the College representing different level of teaching staff	1	Dr. Nagendra.J,Associate Professor
		2	Dr.Srinath MK,Associate Professor
		3	Dr.Prashanth.K.S,Associate Professor
		4	Ms.Asha Rani Borah,Sr.Assistant Prof
		5	Ms.Swathi.B,Sr.Assistant Professor

	6	Ms.Vandana C P Sr. Assistant. Prof
	7	Dr. Jagadeesh CB Sr. Assistant. Prof
	8	Mr. Surendra .B.V Associate Professor
	9	Dr. A R Sainath, Professor
	10	Dr. B Meenakshi Sundaram Professor
Expert from outside the college representing areas such as industry R&D, Tech Edu.	1	Mr.Manas Dasgupta Head of Wealth Technology ,ANZ Bank, Chair of Young BCIC Expert Committee
	2	Mr. Ananthamani, Vice President-PLM & Mech/Elec Capgemini Engineering
	3	Prof. K.N.Subramanya, Principal R.V College of Engineering
Members of University (VTU)	1	Dr. Shadashive Gowda, Principal-Vidya Vardhaka College of Engineering, Mysuru
	2	Dr. Shivyogimath, Prof., Dept. of Civil Engineering, Basaveswara Engineering College, Bagalkot
Dean Academics – Member Secretary	1	Dr. R. J. Anandhi

MINUTES OF THE MEETING

AGENDA- 1

Welcome address by the Chairman of the Academic Council

The Chairman of the Academic Council formally welcomed all the members of the council. Chairman started the proceedings by presenting the vision, mission of the institution and the most recent accords of the institution. Chairman shared the information about the VC Conclave Meet happening on 15th and 16th September 2022. The main agenda on the VC Conclave would be Digital intervention in National Education Policy (NEP) and the best practices followed at various universities.

AGENDA- 2

Discussion and seeking approval of scheme of BE Programs of AIML, CE, CIV, CSE, ECE, EEE, ISE, ME for NEP 160 credits from 1st to 8th Semesters.

- The Chairman of the Academic Council reemphasized the features and the importance of the NEP Implementation with 160 credits in Engineering.
- The Guidelines of the summer internship I and internship II with the credit distribution and the necessity of internships to create skill based learning in NEP were discussed.
- Mini Project in 3rd and 5th semester for 2 credits was proposed which is aligned with AICTE and VTU proposals of NEP implementation.
- Internship in 8th semester of duration 24 weeks of 15 credits is an important deliberation in NEP scheme. ACM Chairman focused on the internship duration and emphasized the need of industry to facilitate students with 24 weeks internship.
- Mr. Manas Das Gupta suggested that such internship can be taken up in remote mode. Further, as per the suggestions from Placement department hybrid mode was also suggested. The Council suggested the importance of digitalization in NEP scheme.
- Minor Degree Program of 18 credit implementation proposal was presented. Dr.C.B.Shivayogimath enquired about the reasoning behind the 'Minor' terminology used as it is an enhancement or skill up degree. However, the 'Minor' terminology is coined & proposed by AICTE, hence it was accepted by the Council. Further, overview of Minor degree courses with additional 18-20 credits with 6-7 additional courses was detailed to the Expert.
- As per VTU discussion, NPTEL courses with 18 credits can be taken up the student to earn Minor degree along with the major degree (160 credit). However, the ACM council

suggests that these courses must be delivered and evaluated by the respective faculties of the institution as the degree is offered by the VTU. Mr. Manasa Das Gupta suggested that the hybrid mode can be followed where in the student takes up the NPTEL courses with guidance from institution professors with top up assignments and projects.

- Professional Writing skill course is introduced to enhance the formal written communication amongst students. Email writing and client communication are need of hour in industry, hence students must skillup the same.
- Entrepreneurship Development -I, Entrepreneurship Development -II courses inclusion in the NEP scheme would generate more job providers rather than job seekers. It is in aligned with the Nation vision of 'Atmanirbhar Bharath'.
- Ability Enhancement Courses: Council suggested the two courses offered by the respective departments can act as bridge course. Pre-requisite courses aligned to the Major degree program can be offered by the respective departments. 'Problem Solving in C', 'Web Internet Programming' course offered by ISE department was focused by Dean Academics.
- Aadalitha Kannada /Vyavaharikha Kannada is aligned with VTU where by Aadalitha Kannada is for students who speak, read and write Kannada. Vyavaharikha Kannada is for non-Kannada speaking, reading, and writing students.
- ACM Chairperson emphasized that NHCE implementation of NEP professional courses are not integrated courses. Council suggests that the conduction of Semester End Examination (SEE) is required for both theory and lab. Hence the professional core theory courses are separated from the lab courses, so CIE and SEE will be conducted for them individually.
- Lateral Entry students must take the zero credit courses like Basic Applied Mathematics I , Basic Applied Mathematics II , Communicative English to bridge the gap.
- Physical Education emphasis was discussed and its implementation as zero credit course in NEP implementation was presented.
- Research Methodology as a mandatory course is introduced to create the base for research work in students. This would create the base for several research activities like idea formation, prototyping, paper publication, patent filing, grants and scheme for the students.

- Dr.C.B.Shivayogimath suggested the inclusion of the course content in 'Project Management and Entrepreneurship in the Entrepreneurship Development I and II courses. Project Management knowledge is required so that the idea creation to business model implementation can be carried out by the students.
- Students need to complete the final year project in 7th semester so that 8th semester can be used to carry out the 6 weeks internship task. Dr.C.B.Shivayogimath suggested to associate the institution research scholars with the students for the Internship Work/Research work for better understanding and coordination.
- Open Electives are offered from 6th to 7th semester in the scheme proposed. However, Prof. Gurucharan Singh suggested that the open electives must be completed before 7th semester. This is needed as Open electives are industry collaborated courses and would assist the students in placement which starts in 7th semester. At the most one Open Elective can be included in 7th semester, remaining electives suggested to be offered in lower semesters. Council also discussed the huge lab requirement to complete all the open electives in lower semester. The solution to provide new open electives with new industry collaborated labs was discussed.
- AICTE Activity Point implementation in NHCE and the automated procedure followed was presented. Each student attached with a proctor and the department has Activity point coordinator. Students must carry out the activities suggested to earn the grade points. The certificates of the same must be submitted to the proctors. The automated grade point generation check is in place with Contineo software automation. QASDC periodically checks this procedure. Dr.C.B.Shivayogimath appreciated the same.
- The credit distribution of the NEP implementation by AICTE, VTU and NHCE was presented in the slide and the importance of internship was re-iterated.
- The Dean-Academics presented the scheme and syllabus of the aforementioned branches as per the NEP guidelines (160 credits) and the same was approved by the members of the Academic Council.

AGENDA- 3

Discussion and seeking approval of scheme and syllabus of MCA, MBA, MTech Programs from 1st to 4th Semesters for the academic year 2022-23

- The scheme and syllabus of MCA program was discussed with mini project and major

project credit distribution by Dean-Academics.

- The different career path for MCA students like Business Analytics Track/Network Security Track/AI Track based on the electives choice was presented and appreciated by the council.
- Dr. Sheelan Mishra, HOD-MBA briefed about the Value added courses in MBA program. The competency assessment tool usage to generate student report enables the student to choose the right value-added courses. The report details the gap and hence the students can skill up in those areas with the offered courses. Dean -Academics suggested the usage of this tool for faculty members to create better skill enhancement amongst faculty members.
- The inclusion of societal projects in MBA and MTech program was much appreciated.
- Expert-I Mr. Manasa Das Gupta suggested the MBA Courses related to Ethics to be taught based on learning from Indian Mythology as carried out in IISc.
- MTech scheme was presented with 80 credit and the mandate to take up NPTEL courses.
- The Dean-Academics presented the scheme and syllabus of MCA, MBA, MTech Programs from 1st and 4th semester and the same was approved by the members of the Academic Council.

AGENDA- 4

Discussion and approval of 1st and 2nd semester syllabus for the academic year 2022-23

- The detailed syllabus of 1st and 2nd semester was presented by Dean Academics.
- The chairperson suggested including the outcome from VC Conclave meet and conducting department level meeting after Sept 15th. ACM meeting to discuss the same in Oct 1st week.
- QASDC suggested to provide faculty development program on NEP implementation.
- Dean-Academics presented the scheme and syllabus of the 1st and 2nd semesters of BE Program (160 credits) and the same was approved by the academic council.

AGENDA- 5

Discussion and approval of equivalent subject for later entry students who will be taking admission to 3rd semester from AY 2022-23 onwards.

- Dean-Academics presented the equivalent subjects for later entry students taking admission in 3rd semester. Zero credit courses were identified to bridge the gap.
- Basic Applied Mathematics-I, Basic Applied Mathematics-II and Communicative English courses were identified and the same was approved by the academic council.

AGENDA- 6

Discussion on syllabus of 3rd & 4th Semester of 160 credits schemes for the BE Programs of AIML, CE, CIV, CSE, ECE, EEE, ISE, ME.

- The detailed syllabus of 3rd and 4th semester was presented by Dean Academics.
- The Open electives offered are well updated, cutting-edge technology-oriented course. Train the trainer model is followed, where in faculty member skill up in the identified industry-oriented courses. The industry partner is included in Board of Studies (BOS) member so the course updating/ratification is done. Lab oriented courses enable students to earn digital badge, technology skill up, placement opportunities.
- Dean-Academics presented the scheme and syllabus of 3rd and 4th semesters of BE Program (160 credits) and the same was approved by the academic council.

AGENDA-7

Discussion and Approval of list of Ability Enhancement Courses for BE Programs.

- Ability Enhancement courses for various BE programs was presented by Dean Academics.
- Academic Council approved the courses identified as Ability Enhancement courses.

AGENDA 8

Discussion on Minor Degree Programmes

- Dean Academics presented the Minor Degree Program execution plan proposal.
- The various minor degree programs, the offering department, permitted departments to enroll, associated industry collaborators were discussed. For example, ISE department would offer Data Science course which can be taken up by students of non circuit

branches like ME/CIV/EEE so that they can make a career in Data Science if interested. MUSigma is the associated industry partner for this program. Students with CGPA above 5 can only enroll for Minor degree program and earn additional 18 credit so that COE can award them the Minor degree.

- Minor degree courses must not overlap with major degree courses. Council and OCE department mandated that the Courses should not be repeated.
- The academic council well appreciated the execution plan and gave its affirmation.

AGENDA- 9

Ratification of SEE pattern for few courses

- Dr. Sheelan Mishra, MBA-HOD briefed the SEE conduction procedure for the courses Entrepreneurship Development -I and Entrepreneurship Development-II. Student must present the idea formulation as ppt format, followed by prototyping and UDAAN (NHCE version of Shark tank) pipeline where the investors can pitch in and can convert the prototype to product. Hence SEE conduction was discussed and approved by the Council for practical /Hands-on Examination.
- In context of the nature of the courses, the Dean of Academics requested approval of the SEE Conduction, the evaluation process as an integrated (Theory & Practical) procedure for the aforementioned courses by respective departments.

20MEE653 (Product Life Cycle Management),

20MMD322 (Machine learning),

20AUT55 (Programming, data structures and algorithms using python) ,

20MEE745A (Machine Learning & Artificial Intelligence) , the same was discussed and approved by the council.

AGENDA - 10

Ratification and approval of BE 8th Semester results

- In 8th semester result, for PG course, 3 top ranks are identified. In UG courses, 10 ranks are identified.
- In NEP scheme, a student scoring F grade needs to apply for SEE in next semester (reusing the same CIE marks scored). A student in NSSR/NSAR list must repeat the

semester.

AGENDA - 11

Discussion / approval of equivalence for the students who are seeking re-admission/rejoining to 3rd semester to 160 scheme from 175 credit scheme.

- Dean-Academics presented the identified courses as Equivalence courses for re-admitting/re-joining students from 175 credit scheme to 160 scheme.
- The equivalence mapping proposed was approved by the Academic council.

AGENDA – 12

Approval of Calendar of events of BE Programs Odd Semester – 3rd, 5th & 7th semesters AY 2022-23.

- The Calendar of Events of BE program Odd Semester – 3rd, 5th and 7th semester AY 2022-23 was presented by Dean-Academics.
- The Summer internship calendar was presented. Soft skill training provided by HRD/ Lifeskill department will constitute the 1st week of internship. Computer skills like MS office expertise should be undertaken by students during 2nd week of internship. 3rd week of internship would be experiential learning in the department labs.
- Students would be associated with department proctors. The daily diary must be maintained by the student and the week wise report of the 3 components of the internship must be recorded by the students.
- End of 3 weeks, the reports must be submitted to the respective department. No SEE to be conducted in 3rd semester. Department committee to be constituted to evaluate the internship program.
- Expert-I enquired the activity point dates in Calendar of events. Dean-Academics suggested that the AICTE activity point is an ongoing continuous activity throughout the year, hence, it is not separately recorded in the calendar of events.
- Academic Council approved the guidelines for the internship and also recommended the Calendar of events constituted.

AGENDA - 13

Discussion of Graduation List of AY 2021-22.

- Controller of Examination Dr. Vijilius H Raj presented the Graduation list of the various BE disciplines for the AY 2021-2022 . Total registered students and graduation student list was presented.
- Academic Council approved the graduating list. Chairperson discussed the UG graduation day on Oct 15th and PG graduation day on Oct 29th.
- Students from 2year MCA program and 3year MCA program would be graduating on the same day.
- 98 students are identified from various programs to be honored with Meritorious award and council approved the same.

AGENDA - 14

Any other points for discussion with the permission of Chairman.

- Chairperson suggested the 'Best Student of Year Award' based on Academic/Extra curricular/Co-curricular activities. Council approved the same.
- Mr. Manasa Dasgupta suggested that students from all programs must have an understanding on the statistics of the Data generated/usage in various domains. The business model of the data input/generated/managed/used in various domains like Retail, BFS etc must be understood by the students.
- Mr. Manasa Dasgupta suggested the usage of tools like PowerBI, MSBI, Tableau, SAP, Advanced Excel in data analytics. It can be included as a module in Entrepreneurship Development courses as well.
- Chairperson suggested the conduction of next ACM meeting after the VC Conclave Meet. The outcomes of the meet needs to be included in the institution practice. Also , Chairman Dr. Mohan Magnani suggestions on best practices followed in foreign universities should be amalgamated. Hence next ACM meet is suggested to be in Oct 2022.
- Members expressed overall satisfaction at the various agenda discussed during the proceedings.

AGENDA - 15

Forum would be open for further discussion and advice.

Forum was opened for further discussion and all the Department Heads and ACM coordinators gave general suggestions on improving the Teaching Learning process, Evaluation process, Summer Internships.

AGENDA - 16

Vote of Thanks by Member Secretary

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

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