

Minutes of Meeting of 18th Academic Council of NMAMIT, Nitte

on 17 October 2022 at 10.00 A.M.

through online platform (Google Meet)

Members Present:

1. Dr. Niranjan N. Chiplunkar, Principal and Chairman of A.C.
2. Dr. Dilip Kumar K., Principal, K. S. Institute of Technology, Bengaluru- VTU Nominee
3. Dr. Ashok Kumar, Principal, SDM College, Ujire- VTU Nominee
4. Dr. Mattur C. Narasimhan, Professor, Civil Engg Dept. NITK, Surathkal - External Member
5. Dr. K. C. Chandrasekaran, Professor, Dept. of CSE, NITK Surathkal - External Member
6. Mr. Ramachandra Acharya, Chief Technology Officer, Global Delight Technologies, Udupi -- External Member
7. Dr. A. N. Parameswaran - Director, Industry Institute Interaction
8. Dr. Shrinivasa Rao B. R. - Vice Principal & Controller of Examination
9. Dr. K. Sankaran - Director, MBA
10. Dr. Srinivas Pai P - HoD, Mechanical
11. Dr. Ujwal P - HoD, Biotechnology
12. Dr. Karthik Pai B. H. - HoD, ISE
13. Dr. Jyothi Shetty - HoD, CSE
14. Dr. Suryanarayana K - HoD, E&E
15. Dr. Arun Kumar Bhat - HoD, Civil
16. Dr. KV SSSS Sairam - HoD, E&C
17. Dr. Sharada Udaya Shenoy - HoD, AI & ML
18. Dr. Muralidhara - HoD Robotics & AI
19. Dr. Surendra Shetty - HoD, MCA
20. Dr. Kumudakshi - HoD, Mathematics
21. Dr. Joy Elvine Martis - 1st year Co-ordinator
22. Dr. Ramakrishna B - Professor & EDC In-charge
23. Dr. Radhakrishna Sharma - Professor, MBA
24. Dr. I. R. Mithanthaya - Vice Principal & Secretary AC

Member Absent:

1. Dr. B. G. Naresh Kumar, Principal, Maharaja Institute of Technology, Mysore - VTU Nominee
2. Dr. Udaya Kumar Shenoy - HoD, CCE
3. Prof. Rashmi Hegde - HoD, Humanities

MINUTES:

Dr. I. R. Mithanthaya, Secretary of the Academic council heartily welcomed newly appointed VTU nominees Dr. Dilip Kumar K, Principal, K. S. Institute of Technology, Bengaluru, Dr. B. G. Naresh Kumar, Principal, Maharaja Institute of Technology, Mysore, Dr. Ashok Kumar, Principal, SDM College, Ujire, all External members Dr. M. C. Narasimhan, Professor, Dept. of Civil Engineering, NITK Surathkal. Dr. K. C. Chandrasekaran, Professor, Dept. of CSE, NITK, Surathkal, Mr. Ramachandra Acharya, Chief Technology Officer, Global Delight Technologies, Udupi, and all the internal members to the 18th Academic Council meeting. He read the agenda points to be discussed in the meeting and he requested Principal Dr. Niranjana N. Chiplunkar for his opening remarks.

Dr. Niranjana N. Chiplunkar, Chairman of A.C. in his opening remarks, he introduced new VTU nominees and welcomed all external & internal members. He said, recently the Institute NMAMIT, Nitte become a part of Nitte Deemed to be University. This academic year Nitte University conducted own entrance exam for the admission of new batch of B.Tech., MCA, MBA & M.Tech. students and as per norms the classes are already started for the first year B.Tech. This Academic council meeting is specially conducted to get the approval of the scheme and syllabus of the current batch of 2nd, 3rd, & 4th year B.E, 2nd & 3rd year MCA, 2nd year MBA and 2nd year M.Tech students continuing under VTU. During the year 2021-22, we have started a new programme Robotics & Artificial Intelligence, hence the 2nd year syllabus of this particular programme should be approved by the Academic Council members. He also said since we are continuing a part of VTU (i.e, 2nd, 3rd, & 4th year B.E, 2nd & 3rd year MCA, 2nd year MBA and 2nd year M.Tech) we retained the 3rd and 4th year syllabus (175 credits) without making much modification and 2nd year syllabus fully modified (160 scheme) as per New Education Policy 2020.

Vice Principal thanked Principal for his opening remarks.

A.C.18.1: As per agenda, Dr. I. R. Mithanthaya read all the resolutions of previous Academic council meeting held on 4 September 2021. He said that the approved Scheme & Syllabi of B.E, MCA & M.Tech were followed, as per the suggestion given by VTU nominee the credits of 2021-22 is reduced to 160 from 180, Internship-I was introduced for the first year students, about 250+ faculty members were appointed as mentors for each group of 5 students and they should submit the internship report at the end of II semester, the approved open electives were offered in VII & VIII semester (1092 students have opted open elective in VII semester and 1133 students have opted in VIII semester), the approved new Engineering Program Robotics & Artificial Intelligence started during the year 2021-22., the approved list of students eligible for Graduation Certificate were issued the Certificate in the Graduation Day held on 24 September 2021.

Academic Council members approved the minutes of 17th Academic Council Meeting.

A.C.18.2: Vice Principal & Dean (Academics) sought approval for the modification made in the scheme and syllabi of B.E and M.Tech

Member Secretary said every department has undergone Board of Studies meeting during June/July/August 2022 through online mode. As per the suggestion given by BoS members modifications are incorporated in the syllabus. Each Department HoD's briefed about the changes / modifications incorporated in the syllabus

1. Dr. Kumudakshi, HoD, Dept. of Mathematics said that during the BoS meeting only minor modifications are made. The syllabi of Mathematics of III, IV and VIII semester were reviewed and modified wherever found necessary. New subject "Probability & Statistics" and "Linear Algebra & its Applications" is introduced for the batch of CSE, ISE, CCE & AIML in III & IV semester respectively and also minor modification are done in open elective subjects.

2. Dr. Joy Elvine Martis, Asst. Professor, Dept. of Humanities said that the syllabi for the 15 subjects which is offered by the Department was kept everything same without changing the content. The new open elective “National Cadet Corps: Organization, Functions and Capabilities” are introduced. As per the NEP guidelines the Department introduced a new mandatory subject “Universal Human Values” (1 credit) and “Social Connect & Responsibilities” for III & IV semester of all the branches.
3. Dr. Ujwal P, HoD of Biotechnology Engineering said that overall only 15% of the syllabus has been modified based on the suggestions given by BoS members. She said III & IV semester syllabus is entirely reformed as per NEP guidelines (160 credits).
4. During the discussion on modification in the syllabus of Computer Science & Engineering HoD, Dr. Jyothi Shetty said, for batch 2021-2025 the syllabus is revised as per the suggestion of BoS members. The title theory subject “Object oriented Programming with JAVA” is changed to “Object Oriented Programming in C++” as a Lab based course. The syllabus of Computer Organization & Architecture is revised and is made as core subject with 3 credits. The title of “Software Engineering and Project Management” is changed as “Principles and Practices of Software Engineering” and also syllabus was revised. “Ability Enhancement Course” & “Social Connect and Responsibility” subject is introduced in the 3rd semester and “Universal Human Values” and “Professional Ethics” is introduced in the 4th semester as per NEP regulations. A lab based course “Unix Shell and PHP Programming” was introduced in the 4th semester. The title of “Statistics and Probability Theory: was changed to “Discrete Mathematical Structures”.

Dr. K. C Chandrasekaran asked in which semester the Dept. is offering the “Object Oriented with C++” and “Big Data” subjects?

For his question HoD, replied that was offered in III & IV semester.

5. Dr. Karthik Pai HoD said, only minor changes are made in the curriculum. The title of “Security Lab” subject is renamed as “Information & Network Security Lab”. The scheme and syllabus of 2021-25 batch is prepared as per National Education Policy 2020, which is applicable for the students entering second

year of the BE program. From this academic year the Dept. is offered 2 open electives in VII semester & 2 open electives in VIII semester. In the “Design Thinking” course, the Dept. has removed some chapter (UNIT II- Design Thinking for Services and Optimal Design for New Products, in UNIT III - Drivers of Diversity in Consumers, User Interface and Industrial Design and Future friendly Design) due to vast syllabus to complete within the allotted hours.

6. Dr. Srinivas Pai, HoD of Mechanical Engineering mentioned that there are no changes / modifications made to the scheme and syllabus of V, VI, VII and VIII semester (175 credits) and will be following whatever was approved in the last BoS and the only III & IV semester (160 credits) syllabus is reformed as per NEP.
7. Dr. Suryanarayana, HoD of Electrical & Electronics Engineering said that they retained the same syllabus for III & IV year. The scheme of the III - VIII semester is reformulated as per NEP guidelines for 160 credits including IPCC: Integrated Professional Core Course, PCC: Professional Core Course, INT – Internship, HSMC: Humanity and Social Science & Management Courses, AEC –Ability Enhancement Courses. UHV- Universal Human Value Courses.
8. During the discussion on modification on syllabus of Electronics & Communication Engg. HoD, Dr. KV SSSS Sairam said that there are no changes are made in III & IV year syllabus and only II year syllabus is fully reformulated.
9. Dr. Arun Kumar Bhat, HOD of Civil Engg. Said that the syllabus of “Python Programming” (20CVE904) was changed by 30% and it was made suitable for civil Engineering students. The major changes are removal of design parts and addition of plotting and there are no other changes made in syllabus.

Dr. M C Narasimhan questioned about the location of “Design Thinking” subject and HoD replied that it is in IV semester.

Dr. Dilip Kumar appreciated the effort of Department in taking “Python Programming” subjects by themselves.

10. During the discussion on the scheme and syllabus of Computer and Communication Engineering, Principal said to meet more demand of the students for Computer Science related branches; 2 years back the Institution has started this branch. The first batch of this department students are currently in V semester.

During the discussion on modification on syllabus of Artificial Intelligence & Machine Learning Engg., HoD, Dr. Sharada Udaya Shenoy said “Data structure” is a IT related subjects, hence we added some content in that. The subject “Introduction to Data Science and R Programming” (21AM405) basically it is lab based course, now we added some theory component for that course.

11. Dr. Muralidhara, HoD of Robotics & Artificial Intelligence said a new course “Algorithms and Programming concepts” has been introduced in place of “Data structures and Algorithms/ Object Oriented Programming”. The title of the Lab Course “Data structures and Algorithms Lab” modified as “Algorithms and Programming concepts Lab” and the Experiments of IPCC Lab Course were included in this Course. The course 21RI602- “Image Processing & Its Application” has been shifted from 6th sem to 4th sem. The course syllabus of 21RI501-“Introduction to AI and ML” redesigned by considering the topics relevant to the programme. The course 21RI504- “Control Engineering” was shifted to 5th semester from 6th semester. The course title has been changed from “AI & ML Lab to Machine Learning Lab” to “Machine Learning Lab” and also the syllabus was redesigned.

Academic Council members approved these modifications.

A.C.18.3: Vice Principal & Dean (Aca.) sought approval for the 2nd year Syllabus of Robotics & Artificial Intelligence. Principal said that this Department was started in last year & he gave brief details about the curriculum design (scheme of III – IV semester) and also appreciated the work done by the faculty members for setting up of new lab for current batch of students entering into III semester.

Dr. Dilip Kumar K appreciated the curriculum design of the Robotics & Artificial Intelligence and all Academic Council members approved the 2nd year scheme & Syllabus of R&AI.

A.C.18.4: Dr. I. R. Mithanthaya said the 4th joint BoS meeting for the 2nd, 3rd and 4th year was held on 10 June 2022 at 3.00 pm. The joint BoS meeting of First year syllabus was done by Nitte University. This 4th Joint BoS meeting was specially conducted to finalize the dates of BoS Meeting, to take the approval for open electives offered during 2022-23, and to discuss about 4 weeks of internship during 2nd year (i.,e, the students should undergo 4 weeks of summer Internship -II during 4th & 5th semester).

Academic Council members approved the Minutes of Joint BoS meeting.

A.C.18.5: Vice Principal sought approval for the open electives offered in VII & VIII semester for the current academic year 2022-23. He presented the list of open electives Group- I and Group -II and said that this year the Institute was offered 25 open elective in VII semester and 23 open electives in VIII semester. This is an online based registration. Once the students opt the open elective the list will be finalized by Dean (Academic) and issued to the Concerned Department. In regard to open elective - “National Cadet Corps: Organization, Functions & Capabilities” (for only NCC Cadet Students), Principal said 50 + students had registered in 3 consecutive year, out of which only 5 students are there in final year.

A.C members approved the list of Open Electives.

A.C.18.6: Vice Principal & Dean (Aca.) sought approval for the exam related matters. Dr. Shrinivas Rao B R, Vice Principal & CoE presented the Academic Calendar of III, V & VII semester of B. E. and III & IV semester of M.Tech. He also presented the consolidated result analysis of ODD & Even semester of both UG & PG.

Member Secretary sought approval for the list of students eligible for Graduation Certificates. He said this year totally 1316 students are eligible for the graduation certificate and also he presented the list of Gold and Silver Medal winners of UG & PG, those who have scored highest CGPA in semester end examination.

Academic council members approved the Academic Calendar, Result, List of eligible students for Graduation Certificate and List of Gold & Silver medal winners.

A.C.18.7: Dr. Niranjan N Chiplunkar, Principal **invited all external and internal Academic Council members** for the forthcoming Institutions “**Graduation Day**” **celebration on 29 October 2022 (Saturday)** for the award of degree of B.E., M.Tech & MCA programme.

A.C.18.8: Meeting ended with vote of thanks by member secretary.

Dr. I. R. Mithanthaya
Secretary, Academic Council

Dr. Niranjan N. Chiplunkar
Chairman, Academic Council