

THE NATIONAL INSTITUTE OF ENGINEERING, MYSURU

**Proceedings of the 18th Academic Council Meeting of NIE
held on July 2, 2016 (Saturday) at 11 am**

**Sl.
No.**

Agenda

1 To read and record the meeting notice

Dr. G.L.Shekar, Principal and Chairman initiated the proceedings by welcoming all the members.

Meeting notice was read and recorded

2 To read and confirm the proceedings of the 17th Academic Council meeting held on April 23, 2016

Principal read the proceeding of the 17th Academic council meeting and apprised the members about the action taken. He also briefed about the important activities took place at NIE after 17th Academic Council meeting (April 23, 2016 – July 2, 2016) and gave a presentation on the achievements and ranking of the Institute, as given by MHRD and various magazines. The Principal apprised the successful alumni meet held at United States from April 30 to May 7, 2016 covering six cities from west to east and MoU signed with University of Wisconsin-Madison, USA on 4.05.2016.

The Council members appreciated the activities.

Proceedings of the 17th Academic Council meeting was read and confirmed.

3 To consider and approve:

a Basic Sciences, UG and PG Programme

- I. Scheme of teaching and examination of 1st & 2nd semester B.E. programme (Common to all branches) to be effective from the academic year 2016-17

Approval was sought by Dr. Mamta, Head, Department of Mathematics and Chairperson, BoS, Basic Sciences by presenting the scheme of teaching and examination of Basic Sciences (Mathematics, Physics and Chemistry) UG programme and mathematics course for PG programme.

Approved

- II. Syllabus of 1st & 2nd semester B.E. programme (Common to all branches) to be effective from the academic year 2016-17

Approved

- III. Syllabus of Engineering Mathematics- III (branch wise), Engineering Mathematics- IV (Branch wise), Bridge course Mathematics-I, Bridge course Mathematics-II for 3rd and 4th Semester of all branches.

Dr. Mamta highlighted the changes made in Mathematics III and IV courses.

Answering the query of Dr. Nanjuda Swamy, she explained that all the departments were involved in formulating the syllabus.

Mr. Achutha Bachalli opined that the topics like curve fitting, multiple regression are very important in designing and modeling. He appreciated the inclusion of new and advanced topics in the syllabus.

Dr. G.K.Urs, Head, Department of Physics explained the modification made in Physics syllabus and the inclusion of new topic on super conductors.

Mr. Achutha Bachalli felt that battery technology and renewable energy are important topics from the industry perspective.

Dr. Ramdas Bhandarkar, Head, Chemistry Department explained the changes made in the syllabus of Chemistry course.

Considered and Approved

- IV. Syllabus of Applied Mathematics of 1st Semester M.Tech. of all streams of Engineering and MCA for the batch admitted during 2016-17

Approved

b Civil Engineering: UG and PG programme

- I. Scheme and concise syllabus of teaching and examination of 1st & 2nd semester, 3rd to 8th semester B.E. programme (for the batch admitted during the academic year 2016-17)

Approved with suggestions as in IV

- II. Modified Syllabus of 3rd to 8th semester B.E. programme (for the batch admitted during the academic year 2015-16)

Considered and approved with suggestions as in IV

- III. Modified syllabus of 5th to 8th semester B.E. programme (for the batch admitted during the academic year 2014-15)

Considered and approved with suggestions as in IV

- IV. Modified Syllabus of 7 & 8th semester B.E. programme (for the batch admitted during the academic year 2013-14)

Dr. N. Suresh, Head, Civil Engineering, presented the scheme, structure, inclusion of new electives like fire resistant material, remote sensing and Non-destructive testing laboratory

Mr. Srinath K. Narayan felt that Engineering System Design concept is essential for multi-dimensional development. HoD, Civil Engineering, clarified that a few topics are covered in the course, Construction Methods and Management.

Mr. Achutha Bachalli appreciated the stacked project offered by the department and felt happy with the duration of the project spreading from 4th to 8th semester.

Dr. Ramesh observed that both Geotechnical Engineering course and its laboratory are offered in 5th semester. He felt that the students should have theoretical knowledge before conducting experiments in laboratory. He recommended to shift Geotechnical Engineering course to 4th semester in place of Concrete Technology course and shift Concrete Technology to 5th semester. He suggested that, if swapping is not possible then, the same faculty should take both theory and laboratory courses and explain the fundamentals before conducting experiments in the laboratory.

Dr. Ramesh insisted that the Geology course and laboratory is very essential to know the physical nature of earth.

Dr. Nanjunda Swamy stressed that students should be sent for field visits and motivate them to take up survey projects in companies to get real-time exposure and feel of the subject.

Dr. Ramesh insisted that all the students should conduct survey practice and earn some credits.

Dr. KVA Balaji suggested that certificates could be issued on successful completion of non-credited course to make students more serious.

Dean (AA) said that, survey project will be carried out on a trial basis in this academic year and suitable modification will be made in the due course.

Principal suggested that HoD, shall have a discussion with senior faculty members of the department and find out how best the above could be incorporated to bridge the gap.

Approved

- V. Scheme of teaching and examination of M.Tech programme in

1) Hydraulics, 2) Structural Engineering
(to be effective from the academic year 2015-16)

Approved

- VI. Syllabus of 1st to 4th semesters of M.Tech programme in

1) Hydraulics 2) Structural Engineering
(to be effective from the academic year 2016-17)

Approved

C Mechanical Engineering : UG and PG programme

- I. Scheme and concise syllabus of teaching and examination of 1st, & 2nd semester, 3rd to 8th semester B.E. programme (for the batch admitted during the academic year 2016-17)

Approved

- II. Modified syllabus of 3rd to 8th semester B.E. programme (for the batch admitted during the academic year 2015-16)

Approved

- III. Modified syllabus of 5th to 8th semester B.E. programme (for the batch admitted during the academic year 2014-15)

Approved

- IV. Modified syllabus of 7 & 8th semester B.E. programme (for the batch admitted during the academic year 2013-14)

Dr. Suresha B. Dean (R&D) explained, that the students take up mini projects in 6th semester, Project work Phase-I in 7th semester and Phase-II in 8th semester so as to give a feel of stacked project.

Dean (R&D) proposed for a separate BoS for PG.

Dr. KVA Balaji and Dr. Ramesh suggested that instead of forming a separate BoS, sub-committees with 2 or 3 experts for each PG program within BoS can be included and outcome can be discussed in AC meetings.

Approved

- V. Scheme of teaching and examination of 1st to 4th Sem M.Tech programme in **Industrial Automation & Robotics, Machine Design, Nano Technology**
(to be effective from the academic year 2016-17)

Approved

- VI. Syllabus of 1st to 4th semesters M.Tech programme in
Industrial Automation & Robotics, Machine Design, Nano Technology
(to be effective from the academic year 2016-17)
Considered and approved.

d Electrical & Electronics Engineering : UG and PG programme

- I. Scheme and concise syllabus of teaching and examination of 1st & 2nd semester, 3rd to 8th semester B.E. programme (for the batch admitted during the academic year 2016-17)
Mr. Srinath suggested to mention course codes to a few of the courses left out. He also suggested that alternative source of power generation should be made a core course. Dr. Kumar, HoD took note of the same.
Considered and approved
- II. Modified syllabus of 5th to 8th semester B.E. programme (for the batch admitted during the academic year 2015-16)
Approved
- III. Modified syllabus of 3rd to 8th semester B.E. programme (for the batch admitted during the academic year 2014-15)
Approved
- IV. Modified Syllabus of 7 & 8th semester B.E. programme (for the batch admitted during the academic year 2013-14)
Dr. Nanjunda Swamy opined that department should introduce one or two open electives, so that the students from other branches can also have the benefit of gaining knowledge in new subjects. Dean (AA) said the suggestion is well taken and more number of open electives will be introduced.
Approved
- V. Scheme of teaching and examination of 1st to 4th semesters of M.Tech programme in
1) Power Systems and 2) Computer Applications to Industrial Drives (to be effective from the academic year 2016-17)
Approved
- VI. Syllabus of 1st to 4th semesters of M.Tech programme in
1) Power Systems and 2) Computer Applications to Industrial Drives (to be effective from the academic year 2016-17)
Mr. Srinath Narayan felt that PG students should have knowledge on Operations Research and Optimization Technique, which are essential for simulating and modeling. HoD clarified that these topics are covered in UG program.
Approved

e Electronics & Communication Engineering: UG programme

- I. Scheme and concise syllabus of teaching and examination of 1st & 2nd semester, 3rd to 8th semester B.E. programme (for the batch admitted during the academic year 2016-17)
Approved

- II. Modified syllabus of 3rd to 8th semester B.E. programme (for the batch admitted during the academic year 2015-16)

Approved

- III. Modified syllabus of 5th to 8th semester B.E. programme (for the batch admitted during the academic year 2014-15)

Approved

- IV. Modified syllabus of 7th & 8th semester B.E. programme (for the batch admitted during the academic year 2013-14)

Mr. Srinath Narayan said that e-waste disposal is a very big challenge faced by many industries. He suggested that E&C Department join hands with Mechanical Engineering Department to devise an efficient e-waste management and recycling techniques.

Considered and approved

f Computer Science & Engineering: UG and PG programme

- I. Scheme and concise syllabus of teaching and examination of 1st & 2nd semester, 3rd to 8th semester B.E. programme (for the batch admitted during the academic year 2016-17)

Approved

- II. Modified syllabus of 3rd to 8th semester B.E. programme (for the batch admitted during the academic year 2015-16)

Approved

- III. Modified syllabus of 5th to 8th semester B.E. programme (for the batch admitted during the academic year 2014-15)

Approved

- IV. Modified syllabus of 7th & 8th semester B.E. programme (for the batch admitted during the academic year 2013-14)

Mr. Achutha Bachalli felt that most of the fresh graduate engineers are very weak in fundamentals. He opined that guiding the students to use open source, providing interdisciplinary courses, adopting to new technology and management and self learning exercises may help in improving basic knowledge.

Considered and approved

- V. Scheme of teaching and examination of 1st to 4th semesters of M.Tech programme in **Information Technology** (to be effective from the academic year 2016-17)

Approved

- VI. Syllabus of 1st to 4th semesters of M.Tech programme in **Information Technology** (to be effective from the academic year 2016-17)

Considered and approved

g Information Science & Engineering : UG and PG programme

- I. Scheme and concise syllabus of teaching and examination of 1st & 2nd semester, 3rd to 8th semester B.E. programme (for the batch admitted during the academic year 2016-17)

Approved

- II. Modified syllabus of 3rd to 8th semester B.E. programme
(for the batch admitted during the academic year 2015-16)

Approved

- III. Modified syllabus of 5th to 8th semester B.E. programme
(for the batch admitted during the academic year 2014-15)

Approved

- IV. Modified syllabus of 7th & 8th semester B.E. programme
(for the batch admitted during the academic year 2013-14)

Mr. Achutha Bachalli appreciated the inclusion of many new and advanced courses in the programme.

Considered and approved

- V. Scheme of teaching and examination of 1st to 4th semester of M.Tech programme in
Computer Network Engineering
(to be effective from the academic year 2016-17)

Approved

- VI. Syllabus of 1st to 4th semesters of M.Tech programme in
Computer Network Engineering
(to be effective from the academic year 2016-17)

Accepted and approved

h Industrial & Production Engineering : UG and PG programme

- I. Scheme and concise syllabus of teaching and examination of 1st & 2nd semester, 3rd to 8th semester B.E. programme (for the batch admitted during the academic year 2016-17)

Approved

- II. Modified syllabus of 3rd to 8th semester B.E. programme (for the batch admitted during the academic year 2015-16)

Approved

- III. Modified syllabus of 5th to 8th semester B.E. programme (for the batch admitted during the academic year 2014-15)

Approved

- IV. Modified syllabus of 7th & 8th semester B.E. programme (for the batch admitted during the academic year 2013-14)

Mr. Srinath Narayan opined that resource management is very important in any organization. Occupational health and safety can be introduced as a course.

Dr. Balaji suggested that the above course can be introduced as elective to start with.

Considered and approved

- V. Scheme of teaching and examination of 1st to 4th semesters of M.Tech programme in
Production Engineering & Systems Technology
(to be effective from the academic year 2016-17)

Approved

VI. Syllabus of 1st to 4th semesters of M.Tech programme in

Production Engineering & System Technology

(to be effective from the academic year 2016-17)

Considered and approved

i Department of PG Studies – CEA : MCA programme

I. Scheme of teaching and examination of 1st to 6th semesters **MCA** programme
(to be effective from the academic year 2016-17)

Approved

II. Syllabus of 1st to 6th semesters **MCA** programme
(to be effective from the academic year 2016-17)

Considered and Approved

j Provisional list of successful candidates for the conferment of B.E. degree (2012-16: 6th autonomous batch) in the following disciplines:

- (i) Civil Engineering
- (ii) Mechanical Engineering
- (iii) Electrical & Electronics Engineering
- (iv) Electronics & Communication Engineering
- (v) Industrial & Production Engineering
- (vi) Computer Science & Engineering
- (vii) Information Science & Engineering

Considered and approved

k List of students permitted to write MUTE with 'I' grade

CoE explained that, I grade is awarded to those students who could not take up the SEE for genuine reasons and clear the exam in MUTE.

Ratified

l Conduct of Graduation Ceremony scheduled on August 20, 2016

Principal briefed about the graduation day to be held on August 20, 2016 and invited all the honorable members to participate in this grand ceremony.

Considered

m Calendar of academic events for the odd semester of 2016-17

Dean (AA) presented the new format of academic calendar.

All the members appreciated the design.

Dr. Balaji and Dr. Nanjunda swamy congratulated Dean for the innovative design.

Accepted

n Minor modifications / amendments to Academic Regulations

Dean (AA) brought to the notice of AC members that separate regulation book will be given for UG and PG students from this academic year.

Accepted

- o Recommendations of Malpractice Enquiry Committee

CoE presented the report of Malpractice Enquiry committee.

Dr. Balaji suggested to have a standard written regulation for handling malpractice cases. CoE clarified that the committee is following the regulations of VTU

Considered and accepted

4 To read and record:

- a Placement statistics of the year 2012-16: 6th autonomous batch

Principal briefed about the various training programme offered to the students through placement office. He said that skills amongst students are getting improved because of the aptitude test, mock test, group discussion, soft skill development programme etc., He also appreciated the placement office for their continuous efforts.

He presented the placement statistics.

All the members appreciated with applause.

- b Academic accomplishments

Principal presented the monthly progress report of every department. He mentioned that all the departments are performing very well. He appreciated the contribution of TEQIP in the growth of institution. Principal complimented all the HoDs for their efforts and motivating the faculty.

Considered

5 Any other subject

Dr. Nanjunda Swamy suggested to include e-sources/ e-links for all the courses in the reference. Principal instructed all HoDs to initiate the action and convey the message to faculty to include the e-link for their respective courses.

Finally Principal read the letter of University Grants Commission awarding the extension of autonomous status to NIE for a period of six years. He highlighted the positive observations made by the committee.

All the honorable members appreciated and congratulated.

Principal proposed vote of thanks.



Principal