

# THE NATIONAL INSTITUTE OF ENGINEERING, MYSORE

10<sup>th</sup> Academic Council Meeting

**July 14, 2012**

## PROCEEDINGS

### 1. To read and record the meeting notice

Principal Dr. G.L Shekar welcomed all the members and read the meeting notice.

**Meeting notice was read and recorded.**

### 2. To read and confirm the proceedings of the 9<sup>th</sup> Academic Council meeting held on 4<sup>th</sup> February 2012

Principal Dr. G.L Shekar read the proceedings of the 9<sup>TH</sup> Academic Council meeting and presented the action taken report on the same.

**Read and Confirmed.**

Further, Principal Dr. G.L Shekar apprised the council about the major activities carried out at NIE after the 9<sup>TH</sup> Academic Council meeting. Council members appreciated the activities.

### 3. To consider and approve:

#### a. I year UG course (Common to all Branches)

- I. Scheme of teaching and examination of 1<sup>st</sup> & 2<sup>nd</sup> semester B.E. degree course (Common to all branches) to be effective from the academic year 2012-13

**Approved**

- II. Syllabus of 1<sup>st</sup> & 2<sup>nd</sup> semester B.E. degree course (Common to all branches) to be effective from the academic year 2012-13

**Approved**

#### b. Civil Engineering: UG and PG degree courses

- I. Scheme of teaching and examination of 3rd to 8th semesters of B.E degree course in Civil Engineering (for the batches admitted during the academic year 2011-12)

**Approved**

- II. Syllabus of 3<sup>rd</sup> & 4<sup>th</sup> semesters of B.E. degree course in **Civil Engineering** (for the batches admitted during the academic year 2011-12)

**Approved**

- III. Syllabus of 5<sup>th</sup> & 6<sup>th</sup> semesters of B.E. degree course in **Civil Engineering**.  
(for the batches admitted during the academic year 2010-11)

**Approved.**

Dr K. S Jagadish suggested that the title of the course 11CV 327 be named as **Survey Project** instead of **Extensive survey project**.

- IV. Syllabus of 7<sup>th</sup> & 8<sup>th</sup> semesters of B.E. degree course in **Civil Engineering**  
(for the batches admitted during the academic year 2009-10)

**Approved.** Suggested to teach Direct stiffness method instead of system approach in the subject 11CV 311: Structural analysis.

- V. Scheme of teaching and examination of the M. Tech degree courses in **1) Hydraulics and 2) Structural Engineering** (to be effective from the academic year 2012-13)

**Approved:** The council suggested that M Tech students in Structural Engineering be sent for internship during vacation after II semester.

- VI. Syllabus of 1<sup>st</sup> to 4<sup>th</sup> semesters of the M. Tech degree courses in **1) Hydraulics and 2) Structural Engineering** (to be effective from the academic year 2012-13)

**Approved:** It was suggested to teach Continuous System instead of response of structures to Earthquakes in the course 12 MSE621

#### c. Computer Science & Engineering: UG course

- I. Scheme of teaching and examination of 3<sup>rd</sup> to 8<sup>th</sup> semesters of B.E degree course in **Computer Science & Engineering** (for the batches admitted during the academic year 2011-12)

**Approved:** Suggested by the Council to offer an elective "Parallel Algorithms/Parallel and distributed Algorithms"

- II. Syllabus of 3<sup>rd</sup> & 4<sup>th</sup> semesters of B.E. degree course in **Computer Science & Engineering** (for the batches admitted during the academic year 2011-12)

**Approved**

- III. Syllabus of 5<sup>th</sup> & 6<sup>th</sup> semesters of B.E. degree course in **Computer Science & Engineering** (for the batches admitted during the academic year 2010-11)

**Approved**

- IV. Syllabus of 7<sup>th</sup> & 8<sup>th</sup> semesters of B.E. degree course in **Computer Science & Engineering** (for the batches admitted during the academic year 2009-10)

**Approved**

#### d. Electronics and Communications Engineering: UG course

- I. Scheme of teaching and examination of 3<sup>rd</sup> to 8<sup>th</sup> semesters of B.E degree course in **Electronics and Communications** (for the batches admitted during the academic year 2011-12)

**Approved**

- II. Syllabus of 3<sup>rd</sup> & 4<sup>th</sup> semesters of B.E. degree course in **Electronics and Communications** (for the batches admitted during the academic year 2011-12)

**Approved**

- III. Syllabus of 5<sup>th</sup> & 6<sup>th</sup> semesters of B.E. degree course in **Electronics and Communications** (for the batches admitted during the academic year 2010-11)

**Approved**

- IV. Syllabus of 7<sup>th</sup> & 8<sup>h</sup> semesters of B.E. degree course in **Electronics and Communications** ( for the batches admitted during the academic year 2009-10)

**Approved**

**e. Electrical & Electronics Engineering UG and PG degree courses**

- I. Scheme of teaching and examination of 3<sup>rd</sup> to 8<sup>th</sup> semesters of B.E degree course in **Electrical & Electronics Engineering** (for the batches admitted during the academic year 2011-12)

**Approved**

- II. Syllabus of 3<sup>rd</sup> & 4<sup>th</sup> semesters of B.E. degree course in **Electrical & Electronics Engineering** (for the batches admitted during the academic year 2011-12)

**Approved**

- III. Syllabus of 5<sup>th</sup> & 6<sup>th</sup> semesters of B.E. degree course in **Electrical & Electronics Engineering** .( for the batches admitted during the academic year 2010-11)

**Approved**

- IV. Syllabus of 7<sup>th</sup> & 8<sup>h</sup> semesters of B.E. degree course in **Electrical & Electronics Engineering** ( for the batches admitted during the academic year 2009-10)

**Approved**

- V. Scheme of teaching and examination of the M. Tech degree courses in **1) Power Systems and 2) Computer Applications to Industrial Drives** ( to be effective from the academic year 2012-13)

**Approved**

- VI. Syllabus of 1<sup>st</sup> to 4<sup>th</sup> semesters of the M. Tech degree courses in **1) Power Systems and 2) Computer Applications to Industrial Drives** ( to be effective from the academic year 2012-13

**Approved**

**Suggestions pertaining to subjects of UG course:-**

- I. Modify the syllabus of the Elective subject titled “**VLSI circuits (10EE509)**”
- II. Make “**Power System Dynamics and Control (10EE516)**” a core subject instead of the
- III. subject titled “**Electrical Energy management (10EE414)**” in VII sem.
- IV. Change the title of the subject “**Computer Control of Electrical Drives (10EE422)**” to
- V. “**Electric Drives**”

**Suggestions pertaining to subjects of M.Tech courses:**

- I. Change the title of the subject “**Microcomputer and Artificial Intelligence Applications to Power Systems (12MPS652)**” to “**Artificial Intelligence Applications to Power Systems**”
- II. Replace the subject titled “**Software Engineering (12MPS653)**” by a subject on OOPS or Data Structures
- III. “**Energy Management Systems (12MPS654)**” need not be taught at M.Tech level and may be replaced by a higher level subject.
- IV. Swap the subjects “**Electric Power Quality (12MPS629)**” and “**Power System Dynamics and Control (12MPS657)**” in second semester of M.Tech (Power Systems) course.
- V. Replace “**AI Applications in power Systems(12MPS659)**” by some other subject, as a similar subject is included in the I Sem (i.e “ Microcomputer and Artificial Intelligence applications to Power Systems 12MPS652” ) itself.
- VI. Change the title of the subject “**Distribution system design & Control (12MPS62)**” to “**Distribution Systems**”.
- VII. Include a chapter on “Non linear Programming” in the subject titled “**Applied Engineering Mathematics (12MA611)**”.
- VIII. Replace the subject titled “**Software Engineering (12MCD658)**” by a subject on OOPS or some other higher level subject.

**f. Industrial & Production Engineering: UG and PG degree courses**

- I. Scheme of teaching and examination of 3<sup>rd</sup> to 8<sup>th</sup> semesters of B.E degree course in **Industrial & Production Engineering** (for the batches admitted during the academic year 2011-12)

**Approved**

- II. Syllabus of 3<sup>rd</sup> & 4<sup>th</sup> semesters of B.E. degree course in **Industrial & Production Engineering** (for the batches admitted during the academic year 2011-12)
- III. **Approved:** Professor Y.T Krishne Gowda Suggested to include a topic on Geometrical Dimensioning and Tolerances in the IV semester course Computer Aided Machine Drawing.

- IV. Syllabus of 5<sup>th</sup> & 6<sup>th</sup> semesters of B.E. degree course in **Industrial & Production Engineering**. (for the batches admitted during the academic year 2010-11)

**Approved:** It was suggested to rename the IV semester Subject: Workshop Practice: as Foundry and Forging Practice

- V. Syllabus of 7<sup>th</sup> & 8<sup>th</sup> semesters of B.E. degree course in **Industrial & Production Engineering** (for the batches admitted during the academic year 2009-10)

**Approved**

- VI. Scheme of teaching and examination of the M. Tech degree course in **Production Engineering and System Technology** (to be effective from the academic year 2012-13)

**Approved**

- VII. Syllabus of 1<sup>st</sup> to 4<sup>th</sup> semesters of the M. Tech degree course in **Production Engineering and System Technology** (to be effective from the academic year 2012-13)

**Approved**

#### g. Information Science & Engineering:: UG course

- I. Scheme of teaching and examination of 3<sup>rd</sup> to 8<sup>th</sup> semesters of B.E degree course in **Information Science & Engineering** (for the batches admitted during the academic year 2011-12)

**Approved**

- II. Syllabus of 3<sup>rd</sup> & 4<sup>th</sup> semesters of B.E. degree course in **Information Science & Engineering** (for the batches admitted during the academic year 2011-12)

**Approved**

- III. Syllabus of 5<sup>th</sup> & 6<sup>th</sup> semesters of B.E. degree course in **Information Science & Engineering** (for the batches admitted during the academic year 2010-11)

**Approved**

- IV. Syllabus of 7<sup>th</sup> & 8<sup>th</sup> semesters of B.E. degree course in **Information Science & Engineering** (for the batches admitted during the academic year 2009-10)

**Approved**

#### h. Mechanical Engineering: UG and PG degree courses

- I. Scheme of teaching and examination of 3<sup>rd</sup> to 8<sup>th</sup> semesters of B.E degree course in **Mechanical Engineering** (for the batches admitted during the academic year 2011-12)

**Approved**

- II. Syllabus of 3<sup>rd</sup> & 4<sup>th</sup> semesters of B.E. degree course in **Mechanical Engineering** (for the batches admitted during the academic year 2011-12)

**Approved**

- III. Scheme and Syllabus of 5<sup>th</sup> & 6<sup>th</sup> semesters of B.E. degree course in **Mechanical Engineering**.  
(For the batches admitted during the academic year 2010-11)

**Approved**

- IV. Syllabus of 7<sup>th</sup> & 8<sup>th</sup> semesters of B.E. degree course in **Mechanical Engineering**  
( for the batches admitted during the academic year 2009-10)

**Approved:** Professor Y.T Krishne Gowda Suggested to arrange industrial visits at departmental level.

Principal, Dr. G.,L Shekar suggested to invite AC members to BOS meetings as Expert observers wherever possible.

- V. Scheme of teaching and examination of the M. Tech degree course in **Industrial Automation and Robotics (IAR)** ( to be effective from the academic year 2012-13)

**Approved**

- VI. Syllabus of 1<sup>st</sup> to 4<sup>th</sup> semesters of the M. Tech degree course in **Industrial Automation and Robotics (IAR)** ( to be effective from the academic year 2012-13)

**Approved**

Prof Y.T. Krishne Gowda Suggested to offer at least two 4-0-2 courses instead of 4-2-0 courses. Also suggested to organize a seminar on Research Methodology.

**i. Department of PG Studies – CEA : MCA and M Tech. courses**

- I. Scheme of teaching and examination of the M. Tech degree course in **Information Technology**.( to be effective from the academic year 2012-13)

**Approved**

- II. Syllabus of 1<sup>st</sup> to 4<sup>th</sup> semesters of the M. Tech degree course in **Information Technology**, (to be effective from the academic year 2012-13)

**Approved**

- III. Scheme of teaching and examination of the M. Tech degree courses in **Computer Network Engineering** ( to be effective from the academic year 2012-13)

**Approved**

- IV. Syllabus of 1<sup>st</sup> to 4<sup>th</sup> semesters of the M. Tech degree course in **Computer Network Engineering**, ( to be effective from the academic year 2012-13)

**Approved**

- V. Scheme of teaching and examination of 1<sup>st</sup> to 6<sup>th</sup> semesters of MCA degree course (to be effective from the academic year 2012-13)

**Approved**

- VI. Syllabus 1<sup>st</sup> to 6<sup>th</sup> semesters of MCA degree courses (to be effective from the academic year 2012-13)

**Approved**

**j. Provisional list of successful candidates for the conferment of B.E. degree (2008-12: 2<sup>nd</sup> autonomous batch) in the following courses**

- 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

**Approved**

Regarding the PG courses (M.Tech & MCA), since the project viva-voce examination of some students was yet to be completed, the council authorized the Principal and CoE to include all the eligible students for the conferment of PG Degree.

**k. Examination results of**

BE courses in

- 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

**Approved**

M. Tech Courses in

- I. Hydraulics
- II. Information Technology (IT)
- III. Electrical Power Systems (EPS)
- IV. Computer Applications to Industrial Drives (CAID)
- V. Production Engineering and System Technology (PEST)
- VI. Industrial Automation and Robotics (IAR)

**Approved**

MCA Course

**Approved**

**I. Conduct of Graduation Ceremony on September 1, 2012**

**Approved**

**m. Calendar of Academic events for the odd semester of 2012-13  
(August 6, 2012 onwards)**

**Approved**

**4. To read and record:**

- a) Placements statistics of the Year 2011-12 (2008-12 : 2<sup>nd</sup> autonomous batch)

**Read and recorded. The council appreciated the achievements.**

- b) Increase in intake of B.E. degree course in **Industrial & Production Engineering**. from 40 to 60 from the academic year 2012-13

**Read and recorded**

- c) Increase in intake of B.E. degree course in **Computer Science & Engineering** from 90 to 120 from the academic year 2012-13

**Read and recorded**

- d) Grant of permission to start New M. Tech. Programme in **Structural Engineering** from the academic year 2012-2013 in the Department of Civil Engineering.

**Read and recorded**

- e) Grant of permission to start New M. Tech. Programme in **Computer Network Engineering** from the academic year 2012-2013 in the Department of PG – CEA

**Read and recorded**

- f) Academic activities / accomplishments

**Read and recorded:** Council took note of the accomplishments and expressed its appreciation.

**5. Any other subject: None**

**6. Vote of Thanks:** Dr. T.Jayaraju, Member Secretary, proposed vote of thanks

sd/-  
**PRINCIPAL**