



**MINUTES OF THE MEETING OF BOARD OF STUDIES HELD AT  
03.00PM ON 11.06.2018, IN DIGITAL SIMULATION LABORATORY  
OF THE DEPARTMENT.**

- Agenda:** 1.URR Regulation for B.Tech. Programme  
2. B.Tech. EEE Scheme (from I to VIII semester)  
3. BEE Syllabus Theory and Laboratory  
4. Any other item with permission of the chair

**Date:** 11.06.2018

**Time:** 03.00pm

The following members were present:-

- |                          |     |                        |
|--------------------------|-----|------------------------|
| 1. Prof.V.Ramaiah        | ... | Head of the Department |
| 2. Dr.C.Venkatesh        | ... | Professor              |
| 3. Sri M.Narasimha Rao   | ... | Associate Professor    |
| 4. Sri G.Rajender        | ... | Associate Professor    |
| 5. Sri P.Nagarjuna Reddy | ... | Assistant Professor    |
| 6. Sri B.Jagadish Kumar  | ... | Associate Professor    |
| 7. Dr.D.M.Vinod Kumar    | ... | Professor, NITW        |
| 8. Dr.V.T.Somasekhar     | ... | Professor, NITW        |
| 9. Dr.M.Shailaja Kumari  | ... | Professor, NITW        |

The meeting commenced at 03.00 p.m. and was presided over by the Chairman, BoS. At the outset, the Chairman, BoS welcomed the members to the meeting to discuss the pre-notified items on the agenda and Approval.

**MoM:**

The Board of Studies Chairman formally invited all members and put forth Agenda for discussion and approval.

**Discussion of Points:**

1. URR Regulation for B.Tech. Programme
  - The URR-18 regulations are approved.

## 2. B.Tech. EEE Scheme (from I to VIII semester)

- To go for 6+3 Scheme [6 Theory+ 3 Practical] in the III semester. In this semester there are 7 Core Courses, 1 HSMC Course and 1 Basic Science Course.
- To go for 7+3 Scheme [7 Theory+ 3 Practical] in the IV semester and to have a mandatory courses “**Essence of Traditional Indian Knowledge** “.In this semester there are 5 Core Courses , 1 HSMC Course , 2 ESC Course and 1 Basic Science course
- To go for 6+4 Scheme [6 Theory+ 3 Practical + 1 Seminar] in the V semester and also to have a mandatory course “**Constitution of India**” and seminar presentation confined to the field of Electrical & Electronics Engineering. In this semester there are 7 Core Courses, 1 Professional Elective Course /MOOCs Course
- To go for 7+3 Scheme [7 Theory+ 2 Practical+ 1 Mini Project] in the VI semester and with a mini project confined to the field of Electrical & Electronics Engineering. In this semester there are 6 Core Courses, 1 Professional Elective Course / MOOCs Course , 1 Mini Project and 2 HSMC courses.
- To go for 4+4 Scheme [4 Theory+ 2 Practical + 1 **Major Project - Phase - I + 1 Internship Evaluation**] in the VII semester and have Major Project work *Phase-I* confined to the field of Electrical & Electronics Engineering. In this semester there are 3 Core Courses, 2 Professional Elective Courses /MOOCs Courses and 1 open Elective course , Major Project work *Phase-I* and Internship Evaluation.
- In the Open Elective - I the students are to be given a option to select subjects concerned with the society viz Disaster Management, Project Management, Professional Ethics in Engineering and Rural Technology and Community Development.
- To go for 3+1 Scheme [3 Theory+ 1 **Major Project - Phase - II** ] in the VIII semester and also to have Major Project Work *Phase-II* confined to the field of Electrical & Electronics Engineering. In this semester there are to be 2 Professional Elective Courses /MOOCs Courses, Major Project Work *Phase-II* and 1 Open Elective Course/MOOCs Courses.
- In the Open Elective -II the students are to be given a option to select subjects concerned with the society viz Operations Research, Management Information Systems, Entrepreneurship Development , Forex and Foreign Trade and MOOCs Course

### Proposed Changes:

#### III sem

#### **Modifications:**

- Circuit theory-I & Circuit theory-II combined and title is changed to Network theory and its corresponding lab is changed to Networks & Simulation laboratory.
- Electronics Circuit title is changed to Electronic Devices and Circuits and its corresponding lab is changed to Electronic Devices and Circuits Laboratory
- Electric and Magnetic Fields title is changed to Electromagnetic Fields
- The mandatory course 'Compliance with current English' is replaced with 'Soft and Interpersonal Skills'.
- Electrical and Electronic Measurements title is modified as Electrical Measurements & Instrumentation.
- Electrical and Electronic Measurements Laboratory title is changed as Electrical Measurements & Instrumentation Laboratory and is shifted from IV Sem
- Circuits and Simulation Laboratory title is changed to Networks & Simulation laboratory. and is shifted from IV Sem .
- Data Structure and its corresponding lab is shifted to First Year.

#### **IV sem**

##### **Modifications:**

- The course 'Soft and Interpersonal Skills 'is replaced with 'Professional English'.
- Circuit Theory-II is replaced with "Analog and Digital Electronics"
- Circuits and Simulation Laboratory is replaced with "Analog and Digital Electronics Laboratory ".
- Electrical Machines-I Laboratory is shifted from V Sem and renamed as Electrical Machines Laboratory -I

##### **Introduction:**

- OOPS through JAVA theory and JAVA Programming Lab courses are introduced
- Essence of Traditional Indian Knowledge Mandatory course is introduced.

#### **V sem**

##### **Modifications:**

- Power Electronics Laboratory is shifted from VI Semester to V Semester.
- Electrical Machines-II Laboratory is shifted from VI Semester to V Semester and renamed as Electrical Machines Laboratory -II.

##### **Introductions:**

- "Constitution of India " is introduced as mandatory course
- MOOCs Course is introduced in Professional Elective-I

#### **VI sem**

##### **Introductions:**

- Quantitative Aptitude & Logical Reasoning is introduced.

- Signals & Systems course is introduced
- MOOCs Course is introduced Professional Elective-II
- Electric Drives Laboratory title is changed to Power Semiconductor Drives Laboratory is shifted from from VII Semester to VI Semester.

**Deletions:**

- Utilization of Electrical Energy is removed ( added in Professional Elective Course )
- Digital Signal Processing is removed ( added in Professional Elective Course )

**VII sem**

**Introductions:**

- Internship is introduced.
- MOOCs Course are introduced in Professional Elective – III & IV

**VIII sem**

**Introductions:**

- MOOCs Course are introduced in Professional Elective – V & VI
- MOOCs Course are introduced in Open Elective -VII

3. BEE Syllabus Theory and Laboratory

- Source transformation, Network reduction by star-delta transformation and Magnetic circuits topics are to be removed in UNIT-I
- Measurements, series resonance, characteristics of DC motors and methods of excitation of DC generator topics are to be removed in Unit-II
- DC Network theorems such as superposition theorem, Thevenin's theorem, Norton's theorem and maximum power transfer theorem are to be introduced in Unit-II
- Development of no- load & on load phasor diagrams, Equivalent circuit, O.C and S.C testes, Losses and Efficiency, Voltage regulation of transformer topics are to be removed.
- The concepts of electrical earthing, fuses ,lighting sources, MCB & types of batteries are to be introduced in UNIT-IV
- Single Phase AC circuits is to be shifted to Unit-III & DC Motors topic is to be shifted to Unit-IV
- Torque slip characteristics of three phase induction motor & Classification of single phase induction motor topics are to be removed.
- The list of experiments of Basic Electrical Engineering Laboratory course is approved.

**Members Present (Signatures):**

- |                          |     |                        |
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