



SWARNANDHRA
COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous)
SEETHARAMPURAM, NARSAPUR - 534 280, W.G. Dt., A.P.
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

BOARD OF STUDIES

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

| Sl. No | Name of the Member | Designation & Affiliation | Category |
|--------|-----------------------------------|---|------------------------------------|
| 1. | Dr C. Sivapragash | Professor & HOD Dept. of EEE, SCET, Narsapur | Chairman |
| 2. | Dr. J. Mahil | Professor Dept. of EEE, SCET, Narsapur | Internal Member |
| 3. | Mr.A.Satyanarayana | Assistant Professor Dept. of EEE, SCET, Narsapur | Internal Member |
| 4. | Mr.V.Madhu | Assistant Professor Dept. of EEE, SCET, Narsapur | Internal Member |
| 5. | Mrs. N. Lavanya | Assistant Professor Dept. of EEE, SCET, Narsapur | Internal Member |
| 6. | Dr.S.Sivanagaraju | Professor Dept. of EEE, University College of Engineering JNTUK, Kakinada | Subject Expert Nominated by V.C |
| 7. | Dr P.Sangameswaraju | Professor (Rtd) Dept. of EEE S.V.University College of Engineering Tirupati | Subject Expert Nominated by A.C |
| 8. | Dr.G. Venkata Siva Krishna Rao | Professor ,Dept. of EEE, Andhra University Visakhapatnam, Andhra Pradesh,India | Subject Expert Nominated by A.C |
| 9. | Er.N.Lakshman Rao | Assistant Engineer VTPS, Ibrahimpatnam. | Industrial Expert |
| 10. | Mr.V. SuryaManoj | Assistant Professor Department of EEE Vishnu Institute of Information Technology Bhimavaram | Alumni Member |


HEAD OF THE DEPARTMENT


PRINCIPAL

BOARD OF STUDIES MEETING FOR B.TECH COURSES

Department: Electrical and Electronics Engineering

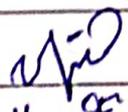
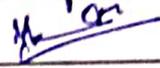
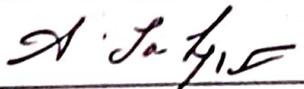
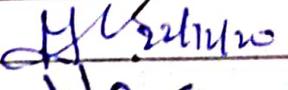
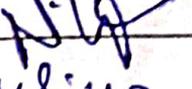
Venue: Virtual Mode

Date and Time: 22nd December 2020 at 10.00 AM

Agenda:

1. Constitution of new members in BOS.
2. Finalization of I Semester to IV Semester course structure (Choice Based Credit System)
3. Finalization of I semester and II semester syllabus.
4. Any other matter with the permission of chair.

Members attended for BOS Meeting

| Sl. No | Name of the Member | Category | Signature |
|--------|--------------------------------|---------------------------------|---|
| 1. | Dr C. Sivapragash | Chairman |  |
| 2. | Dr. J. Mahil | Internal Member |  |
| 3. | Mr.A.Satyanarayana | Internal Member |  |
| 4. | Mr.V.Madhu | Internal Member |  |
| 5. | Mrs. N. Lavanya | Internal Member |  |
| 6. | Dr.S.Sivanagaraju | Subject Expert Nominated by V.C | online. |
| 7. | Dr P.Sangameswaraju | Subject Expert Nominated by A.C | online. |
| 8. | Dr.G. Venkata Siva Krishna Rao | Subject Expert Nominated by A.C | online. |
| 9. | Er.N.Lakshman Rao | Industrial Expert | online. |
| 10. | Mr.V. SuryaManoj | Alumni Member | online. |

Minutes of Board of Studies (UG):

Dr. G. Venkata Siva Krishna Rao, Professor, Dept. of EEE, Andhra University has granted leave of absence.

The Chairman of BOS, Department of Electrical and Electronics Engineering has welcomed all members and briefed the agenda that have been deliberately considered for discussion.

Agenda-1: Introduction of new members in BOS

The BOS of EEE department is constituted as per the guidelines of the Academic Council and Vice-Chancellor of Jawaharlal Nehru Technology University, Kakinada. The Chairman has introduced the members.

Agenda-2: Finalization of the R20 Course Structure (Choice Based Credit System) from Semester I to Semester IV.

The Chairman has presented the course structure which was drafted by syllabus frame-work committee, which is framed as per the Andhra Pradesh State Council Of Higher Education - Revised Engineering 2020 Curriculum , AICTE model curriculum and Jntuk-Kakinada R20 Curriculum.

The BOS has unanimously finalized the new course structure for R20 regulation from Semester I to Semester IV. and the following resolutions were taken in consultation with the interdisciplinary members.

- The BOS committee suggested to remove “Engineering Chemistry” Subject and “Engineering Chemistry Lab” in the II Semester.
- The BOS committee recommended to include “Data Structure” and “Data Structure Lab” instead of “Engineering Chemistry” Subject and “Engineering Chemistry Lab in the II Semester.

- The BOS committee recommended to include Civil Engineering in the Basics of Mechanical Engineering subject for obtaining basic knowledge about Civil Engineering to the students. So the name of the Subject “Basics of Mechanical Engineering” in II Semester is renamed as “Basics of Civil and Mechanical Engineering” .
- Also the committee suggested to include Civil Engineering related experiments. So the Name of the Lab “Mechanical Engineering Lab” in II Semester is renamed as “Basics of Civil and Mechanical Engineering Lab”
- In semester III subject Electrical Circuits and Synthesis. is suitably renamed as Electrical Circuits Analysis & Synthesis.
- In the drafted course structure IV semester Electrical Measurements and Instrumentation subject is replaced with Electrical Measurements.
- Electrical measurements Lab is decided to bring in IV semester from semester V to facilitate the knowledge about meters and measurement techniques to the students connected with subject. Therefore, it is included in semester IV.
- The Control System Lab in IV Semester is moved to V Semester.

Finally, the BOS has finalized the new course structure for R20 regulation from Semester I to Semester IV unanimously.

Agenda-3:Finalization of the syllabus for semester I and semester II.

The BOS has deeply analyzed the drafted curriculum for R20 regulation, the course content of all subjects from semester I to semester IV have appropriately framed.

The semester wise changes are:

I SEMESTER:

For Mechanical Engineering (ME) branch, A new course “Basic Electrical and Electronics Engineering” is included in this semester. It addresses the basic concepts of electrical engineering with three units that provide DC and AC circuits, DC & AC

machines and Electronics Engineering with two units which provide basics of analog & digital Electronics.

By considering this course as co-requisites a laboratory is introduced with Twelve experiments, and these are grouped in correlation with theory course.

II SEMESTER:

For CSE,IT,ROBOTICS and AIM branches, the course “Basic Electrical and Electronics Engineering” is included in this semester. The contents are remaining the same as ME branch, but the course code is different.

In Electrical Networks, the BOS has suggested to remove the Network topology in Unit-I.

Agenda-3:Any other matter with the permission of Chair.

Additionally, the following points are discussed/ensured:

- The industry expert has suggested that some additional experiment be conducted beyond the syllabus.
- The committee suggested to take the suitable course content for PLC and Matlab skilled courses.
- Steps necessary to implement mini-project, mandatory course (Certification and MOOC's) have discussed.

The meeting ended with the vote of thanks.

Seetharampuram

22/12/2020


Chairman