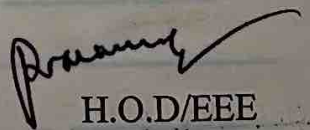


V.R.SIDDHARTHA ENGINEERING COLLEGE::VIJAYAWADA
(AUTONOMOUS)
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

UG BOS MEETING AGENDA

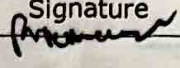
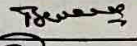
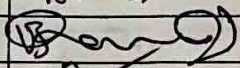
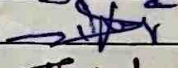
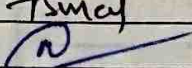
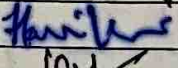
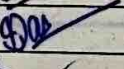
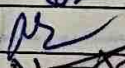
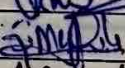
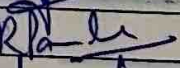
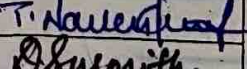
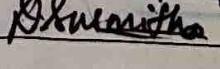
DATE & TIME: 23rd January 2023 at 3.00 P.M
(Google Meet)

1. Action taken report on BOS meeting held on 04-06-2022
2. To approve VII & VIII semester scheme & syllabus
3. To approve the list and duration of self learning courses for UG
4. To approve skill oriented courses for UG
5. To approve the internal evaluation of lab courses in Program Elective-3 & 4 of VII semester.
6. To approve courses under honor & minor degree in VII Semesters
7. To approve the courses for transitory regulation from VR17 to VR20 Regulation (Regular and lateral)
8. Academic achievements of students during the A.Y: 2021-22
9. Faculty achievements during the C.Y:2022
10. Any other matter with the permission of the chair


H.O.D/EEE

Dr.P.V.R.L.NARASIMHAM
Professor & Head
Dept.of Electrical & Electronics Engineering
V.R.Siddhartha Engineering College
VIJAYAWADA-520 007

Board of Studies Meeting held on 23-01-2023 at 3.00 P.M in EEE Department(online)
The Following Members are Present

Sl.No	Members	Designation	Signature
1.	Dr. P V R L NARASIMHAM	Chairman	
2.	Dr. K.Srikumar	Member (JNTUK)	online
3.	Dr.K.Siva Kumar	Member (IITH)	online
4.	Dr.D.Suryanarayana	Member(IITB) (Alumni)	online
5.	Er. K.Rajasekhar	Member (Industry)	online
6.	H.V.S.S.Pavan Kumar	Member(IITB)	online
7.	Dr. A. RAMA DEVI	Member	A.Rama Devi
8.	Smt S.V.R. LAKSHMI KUMARI	Member	S.V.R.L.K.
9.	Dr. G. SRINIVASA RAO	Member	Absent
10.	Dr. B. VENKATESWARA RAO	Member	
11.	Dr.J.RAMESH	Member	
12.	Dr.N. VAMSIKRISHNA	Member	
13.	Sri P. VENKATESH	Member	
14.	Sri S. N. V. S. K. CHAITANYA	Member	
15.	Sri T. SUNEEL	Member	T.Sunel
16.	Sri M. L. N. VITAL	Member	
17.	Sri R MADHU SUDHANA RAO	Member	R. madhuk
18.	Sri V HARI VAMSI	Member	
19.	Dr. A. VEERA REDDY	Member	
20.	Dr.Subhojith Dawn	Member	
21.	Sri V Ravindranadh Chowdary	Member	
22.	Dr. K. Dhananjay Rao	Member	
23.	Dr. J. Vimala Kumari	Member	
24.	Ms.G.Mythily	Member	
25.	Ms.A. Sireesha	Member	A.Sireesha
26.	Ms.D.Vimala	Member	D.Vimala
27.	Smt. B.Swarupa Rani	Member	
28.	Smt.K.Lalitha	Member	
29.	Dr.D.Indira	Member	
30.	Smt.V.Bindu	Member	
31.	Dr.Rajesh Panda	Member	
32.	Sri. T.Naveen	Member	T.Naveen
33.	Miss. D.Susmitha	Student Member	
34.	Mr. E.Manoj Kumar	Student Member	

Minutes of the EEE-BOS meeting held on 23th Jan 2023 at 3.00P.M through Google Meet.

Dr. P.V.R.L.Narasimham, HOD-EEE department and chairman of Board of studies committee chaired and extended a warm welcome to the BOS members.

Dr. K.Siva Kumar, Professor in Department of Electrical Engineering, IIT Hyderabad, and **Academician** attended as member of BOS committee

Dr. D.Suryanarayana, Professor in Department of Energy systems, IIT Bombay, **Academician** attended as member of BOS Committee.

Dr. K.Srikumar, Professor & H.O.D in EEE department of JNTU Kakinada, nominated by JNTUK has attended the BOS meeting as **University representative** member.

Dr. H.V.S.S Pavan, Assistant Professor, in Department of Energy systems, IIT Bombay, **Alumni** attended the meeting.

Er. K. Rajasekhar, Analog Design Engineer (ASC) Texas Instruments Pvt. Ltd, Bangalore, representative from **Industry** attended as member of BOS committee

Mr. E.Manoj Kumar & Miss. D.Susmitha, student members, IV/IV B.Tech attended the BOS meeting.

The **faculty of EEE department**, members of BOS committee attended the meeting.

Dr.P.V.R.L.Narasimham reviewed the scheme of instructions of VR20 regulation and presented the agenda of the meeting to the BOS members.

Item No-1: Action taken for suggestions given by BOS Members in previous meeting held on 4-06-2022.

Dr P.V.R.L.Narasimham presented the suggestions given by BOS members in the previous meeting held on **4-06-2022** and action taken by the department after discussion with the faculty.

After considering the overall suggestions given by, BOS members the following modifications have been implemented.

- ❖ **Suggestion:** To change the credits from 2 to 3 for the course code 20EE5303 titled "Power Generation and Transmission"
- ✓ **Action Taken:** Suggestion is taken care, but the credits are retained as 2 by reducing the syllabus content in the 4 units. In revision of regulations this suggestion will be implemented.

Suggestion: To introduce short circuit studies of three phase inverter/buck converter in the course titled "Simulation of Electrical Systems Lab".

Action Taken: Implemented the suggestion.

Suggestion: Recommended to introduce new course titled "Verilog/VHDL".

Action Taken: Implemented the suggestion in the course titled "Digital Design with FPGA".

Suggestion: i) Focus on widely used Microcontrollers as Piccolo/Delfino/ARM instead of 8051 for the course code 20EE5301 titled "Microcontrollers" and in course code 20EE5352 titled "Microcontrollers Lab".

ii) Suggested to have an understanding for students on various digital control platforms (like DSP controllers, FPGA, CPLDs & PLCs) used in industry.

Action Taken: i) The Suggestion will be taken care while restructuring the previous semester's course content and the same will be implemented for Laboratory course also.

ii) Suggestion has been taken care and implemented through courses titled "Digital controllers Lab" and "Digital Design with FPGA" in seventh semester.

❖ **Suggestion:** To emphasize on uncontrolled rectifiers circuits of both single phase and three phase bridge rectifiers in course code 20EE5302 titled "Power Electronics".

✓ **Action Taken:** In sixth semester of laboratory course titled "Simulation of Electrical Systems laboratory", simulation of three phase bridge rectifier with different loads is existing as one of the experiments. In subsequent revision of course single-phase bridge rectifier will also be introduced.

❖ **Suggestion:** Consult an expert of CSE department regarding the pre-requisite for the course titled "Machine Learning Using Python (20EE6205A)".

✓ **Action Taken:** Discussed with the department of Computer Science and they suggested to introduce Probability, statistics, and Random processes as syllabus content in one of the Mathematics Course which will be a pre-requisite for the course Machine learning Using Python.

❖ **Suggestion:** In Unit-III for the course code 20EE6205B titled "Electrical Vehicles" to emphasize the characteristics of the motor to

propel an Electric Vehicle and to discuss the characteristics to arrive the suitability for different EV applications

- ✓ **Action Taken:** The desirable characteristics for various motors to propel EV has been included. Also discussed the above characteristics for the suitability of motor for required EV application.

Item No-2: To approve VII & VIII Semester Scheme & Syllabus of VR-20

- **Dr. P.V.R.L.Narasimham** presented the detailed syllabus of VII and VIII semester of VR-20.
- **Dr.K.Shiv Kumar** suggested to give more options for the students under open elective -3 instead of confining the elective to two courses. Since it is a self-learning course recommended to call for new courses from students and faculty which are to be listed by the BOS Chairmen and to take forward for the approval of those courses in the BOS meeting.
- **Dr.K.Srikumar** suggested to explore more self-learning platforms such as APSCHE, CISCO, Microsoft etc. for the courses to be opted under open elective 3 & 4 (self-learning courses) to get more options to students to select according to their interest.
- **Dr. K. Srikumar** suggested to reshuffle the courses under program electives 3, 4 & 5.
- **Er. Rajasekhar** suggested to include reference material of DC-DC converters by Dr.Ramana Rao (IISC member) in the syllabus of the course titled "Advanced Power Electronics" (20EE7402D) under Program elective-3.
- **Er. Rajasekhar** suggested to revise the total course content of the Course titled "VLSI DESIGN" (20EE7402C).
- **Er.Rajasekhar** suggested to procure ESD tester and it should be tested for every six months.

Item No-3: To approve the List and Duration of Self Learning Courses for UG

Dr.P.V.R.L.Narasimham presented the list of courses opted for Open Elective- 3 & 4 from the self-learning Platform NPTEL which are in-line with semester calendar with a duration of 12 weeks each.

- BOS members approved the list of courses opted.

Item No-4: To Approve Skill Oriented Courses

Dr.P.V.R.L.Narasimham: Presented IoT Fundamentals: Connect Things Certification course offered by CISCO under Skill Oriented Course

BOS members approved the course opted.

Item No-5: To approve the internal evaluation of lab courses in Program Elective-3 & 4

Dr.P.V.R.L.Narasimham Presented the procedure for the Continuous assessment of lab Courses offered under Program Elective 3 & 4 with Course titled "Digital Controllers Lab (for CBCS) and PLC and SCADA Lab(for CBCS)" are evaluated by developing a project at the end of the course rather than conducting a test. Also stated that if the students opted this course is not sufficient in number the department may go with the original procedure.

- BOS members approved for the attempt to be implemented.

Item No-6: To approve courses under honor & minor degree in VII Semesters

Dr.P.V.R.L.Narasimham presented the list of courses under honor & minor degree in VII Semesters and also informed that no student of EEE opted honor & minor degree of this Batch 2020-24.

- BOS members approved the list of courses under honor & minor degree in VII Semesters.

Item No-7: To approve the courses for transitory regulation from VR17 to VR20 Regulation

- **Dr.P.V.R.L.Narasimham** presented the transitory regulation from VR17 to VR20 Regulation for both Regular & Lateral students.
- BOS members approved the transitory regulation from VR17 to VR20 regulation for both Regular & Lateral students

Item No-8: Academic Achievements of Students for the A.Y: 2021-22

- **Dr.P.V.R.L.Narasimham** presented the academic achievements of students a) even Semester Result analysis of A.Y: 2021-22 and (b) Placement details with salary package.

Item No-9: Faculty Achievements during the C.Y: 2022

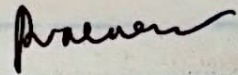
- **Dr.P.V.R.L.Narasimham** presented the faculty publications and awards achieved by the faculty for the C.Y.2022.

Item No-10: Any Other Matter with the Permission of Chair

- **Dr.P.V.R.L.Narasimham** has shared the following information to the BOS members
 - i) The National Board of Accreditation (NBA) accredited the Undergraduate Program **Electrical & Electronics Engineering** for **Three Years** (2022-2023 to 2024-2025). EEE department Scored 381/500 in evaluation. (Crossed 75% of total marks)

Finally, the chairman of Board of Studies (BOS) thanked all the members for their active participation in discussions and suggestions given in the meeting.

Date: 24-01-2023



Dr. P.V.R.L.Narasimham
Professor & Head-EEE

Dr.P.V.R.L.NARASIMHAM
Professor & Head
Dept.of Electrical & Electronics Engineering
V.R.Siddhartha Engineering College
VIJAYAWADA-520 001

V R SIDDHARTHA ENGINEERING COLLEGE
(AUTNOMOUS)
VIJAYAWADA

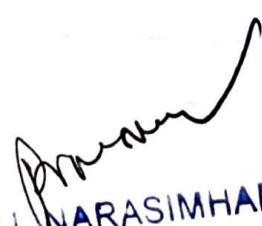
Transitory Details of subjects from VR17 Regulation to VR20 Regulation

Branch Name: Electrical & Electronics Engineering

Studied upto in VR17	Joined in VR20	Exempted Subjects in VR20 (along with Subject code & Name)	Additional Subjects to be studied in VR20(along with Subject code & Name)
I-Semester	II-Semester	Professional Ethics & Human Values(20MC2106B)	Engineering work shop (20ES1153)
II-Semester	III-Semester	Nil	Nil
III-Semester	IV-Semester	Nil	Nil
IV-Semester	V-Semester	Nil	Nil
V-Semester	VI-Semester	1]. English Communication Skills Lab((20HS6153) 2]. Digital Signal Processing (20EE6404)	1].Power Electronics(20EE5302) 2].Power Electronics lab(20EE5351)
VI-Semester	VII-Semester	Nil	1]. Power System Analysis(20EE6301) 2]. Power Systems Lab(20EE6351) 3]. Simulation of Electrical Systems Lab(20EE6352)
VII-Semester	VIII-Semester	Nil	Nil

Note:-This Performa may be used for sending the Transitory subject details of students who joined from VR17 Regulation to VR20 Regulation to Confidential section on or before 16/09/2022

The signature of the concerned students is to be obtained to indicate that he / she is aware of studying the said subjects. The same copy may be send to confidential section and Examination section.


Dr. P. V. R. L. NARASIMHAM
Professor & Head
Dept. of Electrical & Electronics Engineering
V. R. Siddhartha Engineering College
VIJAYAWADA-520 007.

Item No-3: To Approve the List and Duration of Self Learning Courses for UG

OPEN ELECTIVE- 3 & 4: Self-Learning Courses for UG Program in NPTEL

S. No	Course Title	Duration	Exam Date
1	Data Analytics with Python	12 Weeks	30-04-2023
2	Cloud Computing	12 Weeks	30-04-2023
3	Operation and Planning of Power Distribution Systems	12 Weeks	29-04-2023
4	High Power Multilevel Converters – Analysis Design and Operational issues	12 Weeks	29-04-2023

**Course starts from : 23 Jan, 2023 ; Course ends on: 17 Mar, 2023;
& 14 Apr, 2023 Enrollment ends on : 30 Jan, 2023**

Dr. P. V. R. NARASIMHAM
Professor & Head

Dept. of Electrical & Electronics Engineering
V.R. Siddhartha Engineering College
VIJAYAWADA-520 007.