



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**

Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbit.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

Department Of Electrical and Electronics Engineering

No.CBIT/EEE/Meeting /009/2022-2023

Date: 21.04.2023

Meeting minutes - External BoS meeting (Virtual Mode) held on 21.04.2023
Friday with Microsoft Teams at 11.30 AM.

Members Present: All BoS members.

S. no.	Name and Designation	Designation
1.	Dr. M Balasubba Reddy, HOD-EEE Dept, CBIT.	Chairperson
2.	Dr. P Ravinder Reddy, Principal, CBIT.	Member
3.	Dr.K. Krishnaveni, Professor & Director of Academics, EEE Dept, CBIT.	Member
4.	Dr. P. V. Prasad, Professor & COE, EEE Dept, CBIT.	Member
5.	Dr. G. Suresh Babu, Professor, EEE Dept, CBIT.	Member
6.	Dr. Umakanta Choudhury , Professor & Director of Innovation & Incubation, EEE Dept., CBIT	Member
7.	Dr. B. Suresh Kumar, Assoc. Professor, EEE Dept., CBIT	Member
8.	Dr. T. Murali Krishna, Assoc. Professor, EEE Dept, CBIT.	Member
9.	Dr. P.Kowstubha, Assoc. Professor, EEE Dept, CBIT.	Member
10.	Dr. N. Vasantha Gowri, Assoc. Professor, EEE Dept., CBIT.	Member
11.	Dr. Ch. Venkata Krishna Reddy, Asst. Professor, EEE Dept, CBIT.	Member
12.	Dr. N.Venkata Phanendra Babu, Asst. Professor, EEE Dept., CBIT.	Member
13.	Dr. E. Vidya Sagar, Professor & Head, UCE, OU, Hyderabad	Subject Expert
14.	Dr. Somasekhar V. T., Professor (HAG) EED, NIT Warangal	Subject Expert
15.	Dr. P. Sathish Kumar, Professor, UCE, OU, & Director IIIT Basara.	Subject Expert
16.	Dr. Bhaskar Pariti, ALUMNUS -EEE - Sr. Power Applications Engineer, Wolfsped.	Alumnus
17.	Dr. P. Sudhir Agarwal, Rtd. Senior General Manager-PGCIL	Subject Expert

Leave of Absence:

S. no.	Name and Designation	Designation
1.	Dr. Vaskar Sarkar, Assoc. Prof., IIT Hyderabad	Subject Expert
2.	Dr T. Jagath Reddy, Director, TS Transco	Subject Expert

3.	Er. Varunesh G. Kumar, Chairman and MD, Veeral controls	Subject Expert
4.	Dr. R. Nagraja, MD, PRDC, Bengaluru	Subject Expert

Professor G. Suresh Babu welcomed the guests to the virtual meeting of the External Board of Studies. He asked the members to introduce themselves. The BOS members are then asked to switch on their video, and faculty are instructed to take a snapshot.

Prof. M.Balasubbareddy, Head of EEE, conducted the meeting.

AGENDA

1. To approve the Scheme of BE (EEE) III to VIII Semesters of R-22.
2. To approve the Syllabus of B.E (EEE) III & IV Semesters under R-22.
3. To approve the Scheme & Syllabus of the PG Programme – ME (PSPE)
4. BE Honours & BE Minors Degree Programmes offered by the department.
5. Any other item with the permission of the chair.

The details are:

Item No.1:	To approve the Scheme of BE (EEE) III to VIII Semesters of R-22.
Minutes :	<p>The chairperson compared the existing R20 scheme with the proposed R22 scheme for undergraduate courses. For the R22 scheme, the following points were highlighted:</p> <ul style="list-style-type: none"> • The lab component is increased to 3 hours claiming 1.5 credits for hardware-based core labs however for simulation-based labs, the duration, and credits remained the same as that of the R-20 scheme. • One program elective has been added, bringing the total to 6. • Elective-based laboratories will be introduced as part of the curriculum. • It is encouraged to take MOOC courses as part of a credit transfer program. • During even semester breaks, three internships were offered to students each year. <p>The semester-by-semester distribution of credits is summarized in the table below:</p>

		DISTRIBUTION OF CREDITS				
		R20 Regulation		R22 Regulation		
Sem	Credits	% of credits	Credits	% of credits		
I	21	13.13	21.5	13.44		
II	20	12.50	19.5	12.19		
III	24	15.00	25	15.00		
IV	21	13.13	20.5	13.44		
V	27	16.88	24.5	15.31		
VI	19	11.88	20	12.50		
VII	17	10.63	18	11.25		
VIII	11	6.88	11	6.88		
Total	160	100	160	100		

The Boards of Studies of all members have approved the scheme of BE (EEE) III to VIII Semesters of R-22.

Item No.2: To approve the syllabus of B.E (EEE) III & IV Semesters under R-22.

Minutes :

- The Chairperson informs that the syllabus for the III and IV semesters of BE under the R-22 curriculum has been modified slightly from the existing one.
- Courses were swapped between Signals and Systems and Electromagnetic Fields.
- There has been a small change in the syllabus for Analog Electronic Circuits.
- Control Systems and Control Systems Lab are also moved to IV from the V semester.
- Power Electronics and Power Electronics Lab have been moved to V semester from IV semesters.

The entire scheme of the UG course as well as syllabi for the III and IV semester courses were unanimously approved with the consent of external BoS members.

Item No.3: To approve the Structure & Syllabus of the PG Programme – ME (PSPE)

Minutes :

The Chairperson presented the revised PG R23 scheme details, a list of courses, and their syllabi. During the meeting, the following resolutions were proposed.

- Lab component was reduced from 4 hours to 3 hours, therefore credits were reduced from 2 to 1.5. The mini-project

with the seminar was reduced from 4 hours to 2 hours, therefore credits were reduced from 2 to 1.

- A new Program Elective 5 is introduced with 3 credits.
- A total of 25 electives are available under the Elective list, including courses on emerging technologies like Data science applications, machine learning, IoT, Wide Area Monitoring and Control, Smart Electric distribution, etc.

The R-23 scheme for the PG course was approved by all BoS members.

The members provided valid inputs for the syllabi for certain courses. The details are.

- The courses Advanced Power Electronic Circuits and Analysis of Power Converters can be merged as a single course where switch mode converters along with the overview of devices and magnetic design can be provided so that it can cater to a complete full-fledged core course. The same is incorporated.
- The members are suggested in the project phase-2 evaluation as follows:

Evaluation by	Max. Marks	Evaluation Criteria/Parameter
Department Review Committee	05	Review1
	10	Review2
	10	Submission
	15	Final presentation with the draft copy of the report in a standard format
	10	Submission of the report in a standard format
Supervisor	10	Regularity and Punctuality
	10	Work Progress
	10	Quality of the work which may lead to publications
	10	Report Preparation
	10	Analytical / Programming/ Experimental Skills

	Evaluation by	Max. Marks	Evaluation Criteria / Parameter
	External and Internal Examiners together	20	Power Point Presentation
		30	Quality of Thesis Evaluation
		10	Publication/ Patent/Prototype/product
		20	Quality of the project ? Innovations ? Applications ? Live Research Projects ? Scope for future study Application to society
		20	Viva-Voce
	<ul style="list-style-type: none"> • There will be more reference books included in the final syllabus for new courses. • All the BoS members have approved the same. 		
Item No.4:	BE Honours & BE Minors Degree Programmes offered by the department.		
Minutes :	<p>As part of his presentation, the Chairperson presented details on the BE Honors Program offered by the EEE department as well as the list of courses and their syllabi for the R-22 scheme. The entire syllabus is aligned with NPTEL/SWAYAM MOOCS courses and has been readily approved by BoS members.</p> <p>Dr. B. Suresh Kumar, Coordinator for BE Additional Minor Engineering (AME) Programme presented the details of the Programme along with the list of courses and their syllabi for R-22 scheme. This programme AME is offered by the EEE department for other disciplines of Engineering students in the following streams like</p> <ol style="list-style-type: none"> I. Electric Vehicles II. Sustainable Energy III. Renewable Energy <p>He also informed that the course names and syllabi were framed in line with NPTEL/SWAYAM MOOCS courses.</p> <p>Regarding this point, Prof. V.T. Somasekhar from NIT Warangal emphasized the importance of giving students a choice of courses that reflect the basic concepts of Electrical Engineering. He also suggested planning the courses like Electrical Circuits, Energy Conversion Systems, Elements of Electrical Power Systems, Energy Conservation, and Audit, etc. In the end, all BoS members were in line with this suggestion and the Chairperson informed that the revised syllabus will be circulated soon.</p>		

As there were no other items, the meeting ended with a Vote of thanks by the Chairperson. He thanked the contributions made by members in the curriculum development.

Prof M. Balasubbareddy
BoS- Chairperson

Copy to:

1. Principal for information
2. External BoS Members
3. Faculty, EEE Dept.

Meeting Photos



