

External BoS- virtual meeting -reg x New Tab x +

mail.google.com/mail/u/0/#search/10th+bos/FMfcgwwLTzpqhvpkmpBpZdPCfgtCQd

Gmail 10th bos Active C.B.I.T.

Compose

Mail 99+

Chat

Spaces

Meet

Inbox 6,453

Starred

Snoozed

Sent


Drafts 76

More

Labels +

- 2019-20-Alumni-Placem...
- AICTE-UHV Worksh... 1
- ATAL-FDP
- Audit Report-2021
- budget 3
- class roll list-2021
- COE
- innort

External **BoS**- virtual meeting -reg inbox x

 **EEE HEAD** <hod_eee@cbit.ac.in> Apr 16, 2021, 11:21 PM to thirupathiah_eee, B.V., balasubbareddy, bsk, Srisaalam, ch, Harsha, Dr, Sudhakar, me, Gowri, harish, Hemeshwar, kowstubha, krishnaveni, marneni

Dear Colleagues
Namaste
All the **BoS** members , CEGs are invited to attend without fail.
any inconvenience may be informed in advance.
Other Faculty requested to join as a catalyst .

Topic: **10th BOS** meeting-CBIT-Hyd-EEE Dept -2nd year-R20 Scheme-17th April 2021-at 11 am
Time: Apr 17, 2021 11:00 AM India

Join Zoom Meeting
<https://us02web.zoom.us/j/84313999065?pwd=ZDRFSnB6YmVZVGwya0NYMTRjc0RBdz09>

Meeting ID: 843 1399 9065



CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)
Kokapet (Village), Gandipet, Hyderabad, Telangana-500075. www.cbil.ac.in



Name of the Department : **Electrical & Electronics Engineering**

Name of the Programme : **B.E.- Electrical & Electronics Engineering**

Board of Studies Meeting
held on : **17.04.2021**

CONTENTS

S. No.	ITEM	PAGE NO.
1	Minutes of the Meeting	3
2	Scheme for all 8 Semesters of B.E.-EEE ➤ Table for Distribution of Credits	6 14
3	Scheme of the 3 rd Semester	16
4	Syllabus of the 3 rd Semester	18
5	Scheme of the 4 th Semester	35
6	Syllabus of the 4 th Semester	37
7	Syllabus of the Courses offered to the other Departments	58



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**
Kokapet (Village), Gandipet, Hyderabad, Telangana-500075. www.cb.it.ac.in



Minutes of the 10th Board of Studies (B.E. Electrical & Electronics Engineering) meeting held on 17-04-2021 through online mode from 11:00AM onwards:

Members Present:

1. Dr.Vaskar Sarkar,	Assoc. Prof., IIT, Hyderabad,
2. Dr V.T.Soma Sekhar,	Professor, NIT Warangal
3. Dr. P.Sathish,	Associate Professor, EE-OUCE
4. Sri Vipul Agarwaal,	General Manager (Electrical Machines), RCPuram, BHEL Hyderabad
5. Dr. Bhaskar Pariti –	Development Engineer AVL list GmbH, Austria
6. Dr P.Sudhir Agarwal	Senior General Manger-PGCIL
7. Sri T.Jagat Reddy,	Director – Transmission, TS Transco
8. Varunesh G.Kumar,	Chairman & MD -Veeral Controls
9. Dr R Nagaraja	M.D.-PRDC, Bengaluru
10. Dr. G.Suresh Babu	Professor & Head, Dept. of EEE
11. Dr. K. Krishnaveni,	Professor, Dept. of EEE
12. Dr. P.V.Prasad	Professor, Dept. of EEE
13. Dr. U.K.Choudhury	Professor, Dept. of EEE
14. Dr. M.Bala Subba Reddy,	Associate Professor, Dept. of EEE
15. Dr. B. Suresh Kumar ,	Associate Professor, Dept. of EEE
16. Dr. T.Murali Krishna,	Associate Professor, Dept. of EEE
17. Dr. P.Kowstubha,	Associate Professor, Dept. of EEE
18. Sri. Ch.V. Krishna Reddy,	Assistant Professor, Dept. of EEE
19. Dr. N Vasantha Gowri,	Assistant Professor, Dept. of EEE
20. Dr. N.V Phanendra Babu,	Assistant Professor, Dept. of EEE

AGENDA

- To approve minutes of 9th BoS meeting
- To Approve the Scheme of III to VIII Semesters under R-20 regulation
- To approve the syllabus of B.E 3rd& 4th Semesters (Electrical Electronics Engineering) under R-20 s regulation
- To approve the syllabus of all the other COURSES under this EEE board offered to the other departments [20 EE M 01 -Indian Traditional Knowledge]
- Any other item with the permission of the chair

Minutes of the Meeting: -

Dr. G.Suresh Babu, Chairperson, Board of Studies (EEE) welcomed the new members of the BoS and conducted the proceedings:

Item:1. Approval of minutes of 9th BoS meeting

Minutes of 9th BoS was approved.

Item:2. Approval of the Scheme for III to VIII Semesters of B.E. (EEE) Program as per R20 Regulation

Scheme of IIIrd to VIIIth Semesters of R-20 regulation were approved by all the BoS members

Item:3. Approval of the Syllabus for III & IV Semesters of B.E. (EEE) Program as per R20 Regulation

The proposed Syllabus for III & IV Semesters of B.E.(EEE) Program as per R20 Regulation is approved with the following recommendations:

- Inclusion of simulation experiments, Active filters to Analog electronics circuits lab
- Inclusion of topics impact of number of bits in ADC and state diagram and Moore and Mealy machines in the subject of Digital Electronics
- Inclusion of topics of data sheets of Transformer, motors, Standard electrical codes to Electrical Machines-1 syllabus.
- Removal topics of Thyristor based Inverters, series & Parallel Inverters, cyclo-converters from Power Electronics Course.
- Inclusion of topics of Voltage source converters, forward & fly back converters to Power electronics.
- Power Systems-I course, Unit-II name has to be changed from Solar & Wind sources to Solar & Wind Generations.

Action taken: Suggestions given by the BoS members are incorporated in the syllabus of above respective subjects.

- BoS suggested to have contact hours for evaluation of internships.
Action taken: It is recommended to academic council
- BoS suggested that topics of HTLS conductor, polymer Insulator & its advantages, present day tariff system, New policies by regulated board, Graph meters, Net meters, Terms like ring main, radial in Distribution systems can be circulated in the form of handouts to keep the students updated to latest technologies of Power systems-I Syllabus.
Action taken: Suggestions given by the BoS members are incorporated
- Inclusion of topics of Hall effect sensors, Digital meters and modern measurement devices to syllabus of Electrical measurement & Instrumentation
Action taken: Suggestions given by the BoS members are incorporated in the syllabus of corresponding lab

Item:4. To approve the syllabus of all the other COURSES under this EEE board offered to the other departments [20 EE M 01 - Indian Traditional Knowledge]

Proposed syllabus of Indian Traditional Knowledge was approved.

Item:5. Any other item with the permission of the chair

- Scheme and syllabus of M.E. -PSPE 1st to 4th Semesters under R-20 regulation with the following modifications from R 18 syllabus was circulated through mail to honorable BoS members for the approval and the same was approved by members through mail.

List of Modifications

- Title of subject Artificial Intelligence Techniques is changed as Artificial Intelligence Techniques for Power Systems.
 - COs of the subject Restructured Power Systems are modified
 - COs of the subject Digital Protection of Power System were changed and content of unit - Vis modified
 - COs of the subject Electric Power Distribution Systems were changed and content of Units I, II, and III are modified
 - Title of the subject Power System Analysis is changed into Real Time Applications in Power Systems
 - COs of the subject Power System Dynamics are changed and contents in unit-IV were rewritten
 - In Power Electronics Simulation Lab, six new experiments are introduced in lieu of obsolete
 - In Power Electronics Lab five new experiments are introduced in lieu of obsolete
 - COs of the subject Power Semiconductor Devices and Modelling were changed
- The scheme and syllabus M.E. -PSPE 1st to 4th Semesters under R-20 regulation which were approved through mail were presented to members and same was confirmed by the BoS members.
 - As there were no other points raised in the meeting, the meeting was concluded with vote of thanks by chair of BoS.



Dr.G.Suresh Babu
Chairperson, BoS (EEE)
Head, EEE, Dept., CBIT (A)

Copy to:

All the members of Board of Studies (EEE)
The chairman, Academic Council
Director, Academics
Joint Director, Academics-Informatics

BoS Members:

Sri T.Jagat Reddy
Director - Transmission
TS Transco



2nd year 2021-bos video.mp4



With effect from the academic year 202

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)
AICTE MODEL CURRICULUM
B.E. (ELECTRICAL AND ELECTRONICS ENGINEERING)



8:52 / 3:40:22



2nd year 2021-bos video.mp4



With effect from the academic year 202

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)
AICTE MODEL CURRICULUM
B.E. (ELECTRICAL AND ELECTRONICS ENGINEERING)



8:59 / 3:40:22

⏸ 🔊 🗄 ⚙ 📺 🗑



