

CMRCET/ECE/BOS/2023/01

Date: 25th February 2023

Department of Electronics & Communication Engineering

BOS Meeting Conducted on 25th February 2023

Members Present:

| S. No | Name | Designation | Position | Signature |
|-------|---|--|----------|--|
| 1 | Dr. E. N. V. Purna Chandra Rao | Professor & Head, ECE, CMRCET | Chairman | <i>P. Rao</i> 25/2/2023 |
| 2 | Dr. A. Rajani (University Nominee) | Professor & Head, ECE, JNTUH College of Engineering, Hyderabad | Member | <i>A. Rajani</i> 25/2/23 |
| 3 | Dr. P. Chandra Sekhar Reddy (Subject expert nominated by academic council) | Professor of ECE, JNTUH College of Engineering, Hyderabad | Member | <i>P. Chandra Sekhar Reddy</i> 25/2/23 |
| 4 | Dr. M. Mallikarjun (Industry Rep nominated by academic council) | Scientist- G, RCI, DRDO, Hyderabad | Member | <i>M. Mallikarjun</i> |
| 5 | Mr. V. Pavan Kumar (UG Alumni) | Project Manager, TCS, Hyderabad. | Member | <i>V. Pavan Kumar</i> |
| 6 | Mr. A. Krishna Kishore Reddy (PG Alumni) | Tech Lead, Value Labs, Hyderabad. | Member | <i>A. Krishna Kishore Reddy</i> |
| 7 | Dr. T.D Bhatt | Professor of ECE, CMRCET | Member | <i>T.D Bhatt</i> |
| 8 | Dr. M. Nagaraju Naik | Professor of ECE, CMRCET | Member | <i>M. Nagaraju Naik</i> 25/2/23 |
| 9 | Dr. B. Premalatha | Associate Professor of ECE, CMRCET | Member | <i>B. Premalatha</i> |
| 10 | Mr. P. Raveendra Babu | Associate Professor of ECE, CMRCET | Member | <i>P. Raveendra Babu</i> |
| 11 | Dr. D. Sudha | Associate Professor of ECE, CMRCET | Member | <i>D. Sudha</i> 25/2/23 |
| 12 | Dr. A. Pradeep kumar | Associate Professor of ECE, CMRCET | Member | <i>A. Pradeep kumar</i> |



CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

Kandlakoya, Medchal Road, Hyderabad-501401

CMRCET/ECE/BOS/2023/01

Date: 25th February, 2023

Department of Electronics & Communication Engineering

Minutes of 6th Board of Studies meeting held on 25th February, 2023

Board of Studies meeting was held on 25th February, 2023 to finalize the B.Tech ECE R22 regulations Course Structure for four years and detailed syllabi of I to IV semesters. Also, M.Tech (Embedded Systems) R22 regulations Course Structure and detailed syllabi.

The following members were present :-

1. Dr. E. N. V. Purna Chandra Rao, Professor & HOD- ECE, CMRCET
2. Dr. A. Rajani, Professor & Head, ECE, JNTUH College of Engineering, Hyderabad
3. Dr. P. Chandrasekhar Reddy, Professor of ECE, JNTUH College of Engineering, Hyderabad
4. Dr. M. Mallikarjun, Scientist- G, RCI, DRDO, Hyderabad.
5. Mr. V. Pavan Kumar, Senior consultant, Capgemini, India Pvt. Ltd.
6. Mr. A. Krishna Kishore Reddy, Tech Lead, Value Labs, Hyderabad
7. Dr. T.D. Bhatt, Professor of ECE, CMRCET
8. Dr. M. Nagaraju Naik, Professor of ECE, CMRCET
9. Mr. P. Raveendrababu, Associate Professor of ECE, CMRCET
10. Dr. B. Premalatha, Associate Professor of ECE, CMRCET
11. Dr. D. Sudha, Associate Professor of ECE, CMRCET
12. Dr. A. Pradeep Kumar, Associate Professor of ECE, CMRCET

Agenda:

1. Review & Finalization of B. Tech (ECE) R-22 Regulations Course structure & detailed syllabi of first four semesters.
2. Review & Finalization of B.Tech R-22 regulations Service courses and syllabi offered to other departments by ECE Department.
3. Review & Finalization of B.Tech R-22 Regulations Open elective courses and syllabi offered to other Departments by ECE Department.
4. Review and Finalization of equivalent and substitute/additional courses for R-18 Regulation students readmitted in R22 Regulation of B.Tech Programme.
5. Review & Finalization of R-22 Regulations Course structure & detailed syllabi of M.Tech Programme in Embedded systems.

PROCEEDINGS

Chairman welcomed all the members of 6th Board of Studies meeting for UG and PG programs of ECE department. The following agenda points were discussed and respective resolutions have taken

Item-1: Review & Finalization of B. Tech (ECE) R-22 Regulations Course structure & detailed syllabi of first four semesters.

Discussions: The committee reviewed the Course Structure of B. Tech (ECE) R-22 Regulations and detailed syllabus of first four semesters.

Suggestions:

- i) To include latest editions of textbooks in all courses of curriculum
- ii) Simulation experiments may be included in Analog circuits laboratory instead of Electronic circuit analysis laboratory.
- iii) Some experiments of Signals & Systems laboratory are not covered in theory and need to be revised

Resolution: Item 1 is approved by the BoS members and above mentioned amendments have been incorporated.

Item-2: Review & Finalization of B.Tech R-22 regulations Service Courses and syllabi, offered to other departments by ECE Department.

Discussion: The committee reviewed the B.Tech R-22 regulations Service courses and syllabi, offered to other departments by ECE Department.

Resolution: Item 2 is approved by the BoS members.

Item-3: Review & Finalization of B.Tech R-22 Regulations Open elective Courses and syllabi offered to other Departments by ECE Department.

Discussion: The committee reviewed the B. Tech R-22 Regulations Open electives and syllabi offered to other Departments by ECE Department.

Resolution: Item 3 is approved by the BoS members.

Item-4: Review and Finalization of equivalent, substitute/additional Courses for R-18 Regulation students readmitted in R22 Regulation of B. Tech Programme.

Discussion: The committee reviewed the above agenda point.

Suggestions: BoS members suggested equivalent and substitute/ additional courses for R-18 Regulation students readmitted into R22 Regulation of B. Tech Programme up to III Semester.

Resolution: The committee members approved the equivalent, substitute/additional courses for R-18 Regulation students readmitted in R22 Regulation of B. Tech Programme in I, II and III semesters as given in the following

- i. A student readmitted in II semester has to register for Additional course(s) to earn the credits as per R22 Regulations.

| Credits I semester in R18 | Credits in II to VIII semester in R22 | Additional Credits Required | Total credits |
|---------------------------|---------------------------------------|-----------------------------|---------------|
| 19.5 | 140 | 0.5 | 160 |

Additional course (s) of the semester as per R22 Regulations

| S.No | Course name | Credits |
|------|---|---------|
| 1 | Elements of Electronics and Communication Engineering (A404501) | 1 |

Substitute course(s) for repeated subjects of the semester in R22 Regulations

| S.No | Repeated subject(s) of R22 with code (credits) if any studied by the student in R18 Regulation | Recommended Substitute subject(S) with code (credits) in place of Repeated Subjects |
|------|--|---|
| 1 | English for Skill Enhancement (A400101) [2 Credits] | Basic Electrical Engineering (A402201) [2 Credit] |
| 2 | English Language and Communication Skills Laboratory (A400503) [1 Credit] | Basic Electrical Engineering Laboratory (A402502) [1 Credit] |
| 3 | Engineering Exploration & Practice (A400506) [1.5 Credits] | Introduction to Social Innovation (A400505) [1 Credit] |

- ii. A student readmitted from R18 to R22 in III semester has to register for Additional course(s) to earn the credits as per R22 Regulations

| Credits I and II semester in R18 | Credits III to VIII semester in R22 | Additional Credits Required | Total credits |
|----------------------------------|-------------------------------------|-----------------------------|---------------|
| 38 | 120 | 2 | 160 |

Additional course(s) of the semester as per R22 Regulations

| S.No | Course name | Credits |
|------|--|---------|
| 1 | Basic Electronic Circuits (A404201) | 3 |
| 2 | Compulsory Subject: Basic Electronic Circuits Lab (A404502) | 1.5 |

Substitute course(s) for repeated subjects of the semester in R22 Regulations

| S.No | Repeated subject(s) of R22 with code (credits) if any studied by the student in R18 Regulation | Recommended Substitute subject(s) with code (credits) in place of Repeated Subjects |
|------|--|---|
| 1 | NIL | NIL |

- iii. A student readmitted from R18 to R22 in IV semester has to register for Additional course(s) to earn the credits as per R22 Regulations

| Credits I to III semester in R18 | Credits IV to VIII semester in R22 | Additional Credits Required | Total credits |
|----------------------------------|------------------------------------|-----------------------------|---------------|
| 58 | 100 | 2 | 160 |

Additional course(s) of the semester as per R22 Regulations

| S.No | Course name | Credits |
|------|-----------------------------|---------|
| 1 | Signals & Systems (A404302) | 3 |

Substitute course(s) for repeated subjects of the semester in R22 Regulations

| S.No | Repeated subject(s) of R22 with code (credits) if any studied by the student in R18 Regulation | Recommended Substitute subject(s) with code (credits) in place of Repeated Subjects |
|------|--|---|
| 1 | Switching Theory & Logic Design [2 Credits] | Basic Simulation Lab (A404505) [1Credit] |

Item-5: Review & Finalization of R-22 Regulations Course structure& detailed syllabi of M.Tech Programme (Embedded systems)

Discussions: The committee reviewed the R-22 Regulations Course structure& detailed syllabi of M.Tech Programme (Embedded systems)

Resolution: Item 5 is approved by the BoS members,

The chairman thanked all the members for sparing their time and valuable suggestions.



Dr. E.N.V. Purna Chandra Rao,
HOD- ECE
(Chairman)