



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY  
(AUTONOMOUS)**

(Sponsored by TKR Educational Society , Approved by AICTE, Affiliated by JNTUH,  
Accredited by NBA & NAAC with 'A' Grade)



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**MINUTES OF BOS MEETING**

TKRCET/ECE/BOS/MM-1/2018-19

Dt: 07.07.2018

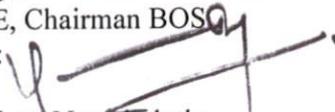
The Executive members of the Board of Studies, Department of ECE have met on 07.07.2018

**MEMBERS OF BOS:**

S. No	MEMBER	POSITION IN THE BOS
1	D. D.Nageshwar Rao- Professor	HoD,ECE,Chairman, BOS
2	Dr. Anitha Sheela - Professor	JNTUH Nominee
3	Dr.C Venkata Narasimhulu, Prof., GCET Hyderabad	External Subject Expert
4	Dr. M. Chandrashekar senior Manager, BDL, Hyderabad	Industry Expert
5	Dr S. Selva Kumar Raju	Internal Subject Expert
6	Dr. Prinza	Internal Subject Expert
7	Ms.B.swapna Rani	Senior Faculty
8	Mrs. Ch. Divya	Member

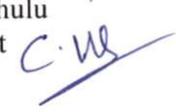
Dr D.Nageshwar Rao- Professor

HoD, ECE, Chairman BOS

Signature: 

Dr.C Venkata Narasimhulu

External Subject Expert

Signature: 

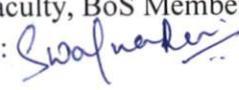
Dr. S. Selva Kumar Raju

Internal Subject Expert-I

Signature: 

Ms.B. Swapna Rani

Senior Faculty, BoS Member

Signature: 

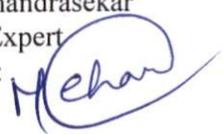
Dr. Anitha Sheela 

University Nominee

Signature:

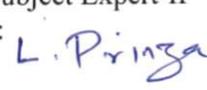
Dr. M. Chandrasekar

Industry Expert

Signature: 

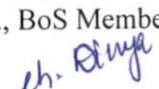
Dr. L.Prinza

Internal Subject Expert-II

Signature: 

  
Mrs. Ch. Divya

Asst, Prof., BoS Member

Signature: 

## AGENDA

1. Approval of Academic Regulations R18
2. Approval of Course Structure for R18
3. Approval of Detailed Syllabus for I and II year of R18
4. Approval of Continuous Internal Evaluation and External Evaluation
5. Identification of Value Added Courses
6. Substitute subjects for Readmitted students
7. Action taken report and Approval of DAC minutes
8. Identification of Workshops and guest lectures
9. Approval of teaching methods
10. Approval of tools used in teaching and learning process to assess course outcomes
11. Approval of Mandatory Courses
12. Other Points if any

### **Agenda 1: Approval of Academic Regulations R18**

**Resolution:** The members reviewed and unanimously approved the Academic Regulations under R18.

### **Agenda 2: Approval of Course Structure for R18**

#### **Resolution:**

The members examined and approved the Course Structure for R18. BOS Chairman discussed the reasons for revising the course structure.

#### **Revision of Course Structure:**

- AICTE mandated a uniform structure across Engineering programs.
- Reduction of total credits from 216–224 (R17) to ~160–170 (R18).
- Clear categorization of courses into HS, BS, ES, PC, PE, OE, PW, MC components.
- Credit load was rationalized from **24–27 credits/semester in R17** to **20 credits/semester in R18**, ensuring uniformity across institutions.
- In R17, Mathematics I–IV + Physics + Chemistry spread across 3–4 semesters.
- In R18, streamlined to **Math I & II, Probability & Stats, Discrete Math.**
- Physics & Chemistry **confined to first year only**, leaving more space for core ECE courses.
- R17 had Business Economics, Advanced Communication Skills, Seminar.

#### **R18 restructured into:**

- Professional Communication Language Lab is introduced (Sem II).
- Professional Ethics is introduced (Sem VII).
- Signals and Stochastic Process is separated into Signals and Systems and Probability Theory and Stochastic Process subjects

- Faculty of EMTL subject explained the changes that are done in the subject, as same topics that are added, which are the fundamental concepts that helps the students for better understanding.
- Uniformity have to be followed for reference books according to the availability of text books in the library.
- Prerequisites with subject code have to be added as mentioned in all the syllabus of the subjects.
- Course objectives and outcomes have to be given uniformly (i.e., accused bullet) for all the subjects.
- Verbatim have to be followed for the management subject.

### **Agenda 3 : Approval of Detailed Syllabus for I & II year ECE subjects**

#### **Resolution:**

The members reviewed and approved the Detailed Syllabus for I , II Year ECE subjects under R18.

**Discussion:** The BOS Chairman presented the detailed syllabus for I , II Year ECE subjects under R18.. The members reviewed the contents, course objectives, and outcomes to ensure that they are in line with the Program Outcomes (POs), Program Specific Outcomes (PSOs), and the latest industry and academic requirements. Suggestions for minor modifications were deliberated and incorporated where necessary Attached syllabus.

### **Agenda 4 : Approval of Continuous Internal Evaluation and External Evaluation**

#### **Resolution:**

The members reviewed and approved the framework for Continuous Internal Evaluation (CIE) and External Evaluation (EE) under R18.

### **Agenda 5: Identification of Value Added Courses**

**Resolution:** The BOS Chairman highlighted that the objective of introducing Value Added Courses is to support students in gaining additional insights and practical skills apart from the regular curriculum. The committee deliberated on the proposed courses and their relevance to industry needs and employability.

S.No	Title of the course	Nature of the course
1	CADENCE TOOLS	Skill Development
2	ARDUINO PROGRAMMING	Employability
3	STRESS MANAGEMENT	Skill Development
4	PCB Design	Skill Development
5	Critical Thinking	Skill Development

6	5G Emerging Technology	Employability
7	ML using Python	Employability

**Agenda 6: Substitute subjects for Readmitted students**

**Resolution:**The committee approved the suggested substitute subject for the above student and confirmed that the same is in line with the resolutions made in the earlier BOS meeting dated 07-07-2018.

**Discussion:** The BOS Chairman presented the case of the student LDICA is the subject code that is arranged for the students in place of EMTL subject (i.e shifting from R13 to R18 Regulation) as the student already had studied EMTL subject, similarly FOM is substituted for BEFA subject

**Agenda 7: Identification of Workshops and guest lectures**

**Resolution:**The BOS Chairman presented the need to identify and organize Workshops and Guest Lectures to supplement classroom teaching and expose students to emerging trends, tools, and technologies. The members deliberated on relevant domains and emphasized the importance of inviting industry experts, academicians, and researchers to deliver sessions that enhance practical knowledge, professional skills, and industry readiness

**Agenda 8: Identification of Workshops and guest lectures**

**Resolution:** The BOS members discussed the need to organize **workshops and guest lectures** to enhance students' practical knowledge, industry exposure, and professional skills. Emphasis was placed on inviting **industry experts, academicians, and researchers** to provide insights into current trends, emerging technologies, and real-world applications

**Agenda 9: Approval of teaching methods**

**Resolution:**

The Board reviewed the range of teaching methodologies adopted across courses to ensure effective delivery and attainment of Course Outcomes (COs). The teaching methods include a blend of **traditional approaches** (Chalk & Talk, PPTs, Tutorials), **active learning strategies** (Inquiry-Based Learning, Group Discussions, Seminars, Peer Presentations), and **practical/technology-enabled methods** (Laboratory Experiments, Case Studies, Hands-on Assignments, Projects, E-Learning Resources, and Design-Based Learning). These methods were aligned with the nature of individual courses (theory, lab, or application-oriented) and the expected Program Outcomes.

**Agenda 10: Approval of tools used in teaching and learning process to assess course outcomes**

**Resolution:**

The members reviewed and approved the tools and methodologies to be used in the teaching and learning process for effectively assessing course outcomes.

**Agenda 11: Approval of Mandatory Courses**

**Resolution:**

The members reviewed and approved the inclusion of Constitution of India as mandatory Course.

**Agenda 12: Other Points if any**

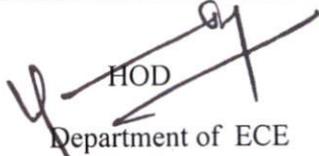
**Resolution:**

The members invited additional points for discussion. No further significant matters were raised, and the meeting was concluded after addressing all listed agenda items

**Annexure:** Course Structure, course components, TKR Academic Regulations

The following members attended the meeting

S. No	MEMBER	POSITION IN THE BOS
1	Dr. D.Nageshwar Rao- Professor	HoD,ECE,Chairman, BOS
2	Dr. Anitha Sheela - Professor	JNTUH Nominee
3	Dr.C Venkata Narasimhulu, Prof., GCET Hyderabad	External Subject Expert
4	Dr. M. Chandrashekar	Industry Expert
5	Dr S. Selva Kumar Raju	Internal Subject Expert
6	Dr. Prinza	Internal Subject Expert
7	Ms.B.swapna Rani	Senior Faculty
8	Mrs. Ch. Divya	Member

  
HOD  
Department of ECE

Copy To:

1. All the members of BOS
2. Principal
3. Dean (Academics)



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R-18 II

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
MINUTES OF BOS MEETING**

TKRCET/ECE/BOS/MM-2/2019-20

Dt: 29.01.2019

The Executive members of the Board of Studies, Department of ECE have met on 29.01.2019

**MEMBERS OF BOS:**

S. No	MEMBER	POSITION IN THE BOS
1	D. D.Nageshwar Rao- Professor	HoD,ECE,Chairman, BOS
2	Dr. Anitha Sheela - Professor	JNTUH Nominee
3	Dr.C Venkata Narasimhulu, Prof., GCET Hyderabad	External Subject Expert
4	Dr. M. Chandrashekar senior Manager, BDL, Hydeabad	Industry Expert
5	Dr S. Selva Kumar Raju	Internal Subject Expert
6	Dr. Prinza	Internal Subject Expert
7	Ms.B.swapna Rani	Senior Faculty
8	Mrs. Ch. Divya	Member

Dr D.Nageshwar Rao- Professor  
HoD, ECE, Chairman BOS  
Signature:

Dr.CVenkata Narasimhulu  
External Subject Expert  
Signature:

Dr. S. Selva Kumar Raju  
Internal Subject Expert-I  
Signature:

Ms.B. Swapna Rani  
Internal Subject Expert-III  
Signature:

Dr. Anitha Sheela  
University Nominee  
Signature:

Dr. M. Chandrasekar  
Industry Expert  
Signature:

Dr. L.Prinza  
Internal Subject Expert-II  
Signature:

Mrs. Ch. Divya  
Asst, Prof., BoS Member  
Signature:

## **AGENDA**

1. Approval of Academic Regulations R18
2. Revision of Course Structure for R18
3. Approval of Detailed Syllabus for III and IV of R18
4. Approval of Continuous Internal Evaluation and External Evaluation
5. Identification of Value Added Courses
6. Substitute subjects for Readmitted students
7. Action taken report and Approval of DAC minutes
8. Identification of Workshops and guest lectures
9. Approval of teaching methods
10. Approval of tools used in teaching and learning process to assess course outcomes
11. Approval of Mandatory Courses
12. Other Points if any

### **Agenda 1: Approval of Academic Regulations R18**

**Resolution:** The members reviewed and unanimously approved the Academic Regulations under R18.

### **Agenda 2: Revision of Course Structure for R18**

#### **Resolution:**

The members examined and approved the Course Structure for R18. BOS-Chairman discussed the reasons for revising the course structure.

### **R18 restructured into:**

- VLSI and ECAD Lab II is introduced
- Advanced Technology Lab course is introduced.
- R18 provides **Professional Electives and Open Electives** from Sem VI onward, giving **choice-based learning**.
- Advanced Technology, VLSI and ECAD Lab II, in R18 → reflects emerging industry needs.
- Project-based learning expanded (Project Part A in VII, Part B in VIII).
- Laboratory credits were reduced from 2.0 to **1.5**
- The Committee suggested to implement elective subjects to be chosen according to field (i.e. either to electronics (or) communications).
- Committee suggested some changes in the course outcomes for LICA subject.

### **Agenda 3 : Approval of Detailed Syllabus for III and IV of R18**

#### **Resolution:**

The Board examined the detailed syllabus for III and IV year B.Tech programs under R18 regulations. After comprehensive review and discussion, the Board unanimously approved the detailed syllabus for all courses in III and IV years, to be implemented from the respective academic years under R18 regulations.

### **Agenda 4 : Approval of Continuous Internal Evaluation and External Evaluation**

#### **Resolution:**

The members reviewed and approved the framework for Continuous Internal Evaluation (CIE) and External Evaluation (EE) under R18.

BoS –Chairman discussed the points related to evaluation of internal and external exams.

### **Agenda 5: Identification of Value Added Courses**

**Resolution:** The BOS Chairman highlighted that the objective of introducing Value Added Courses is to support students in gaining additional insights and practical skills apart from the regular curriculum. The committee deliberated on the Value Added courses and their relevance to industry needs and employability.

- PCB Design
- Critical Thinking
- 5G Emerging Technology
- ML using Python
- Machine learning using Python
- Stress management

### **Agenda 6: Substitute subjects for Readmitted students**

**Resolution:** The committee approved the suggested substitute subject for the student and confirmed that the same is in line with the resolutions made in the earlier BOS meeting

**Discussion:** The BOS Chairman presented the case of the student

LDICA is the subject that is arranged for the students in place of EMTL subject (i.e shifting from R13 to R18 Regulation) as the student already had studied EMTL subject, similarly FOM is substituted for BEFA subject

### **Agenda 7: Action taken report and Approval of DAC minutes**

**Resolution:** The Board reviewed the Action Taken Report (ATR) on the decisions of previous meetings and noted satisfactory progress on all points. The Board also examined the minutes of the Department Advisory Committee (DAC) . After thorough discussion, the Board unanimously approved the Action Taken Report and ratified the minutes of the DAC, acknowledging the efforts made towards continuous improvement in academic processes, curriculum implementation, and quality assurance.

### **Agenda 8: Identification of Workshops and guest lectures**

#### **Resolution:**

The BOS Chairman presented the need to identify and organize Workshops and Guest Lectures to supplement classroom teaching and expose students to emerging trends, tools, and technologies. The members deliberated on relevant domains and emphasized the importance of inviting industry experts, academicians, and researchers to deliver sessions that enhance practical knowledge, professional skills, and industry readiness

### **Agenda 9: Approval of teaching methods**

#### **Resolution:**

The committee, after due deliberation, **approved the teaching methods** as presented. It was further resolved that faculty should continue to adopt a **student-centric teaching approach**, ensuring that teaching methods are periodically updated with industry practices and pedagogical innovations. The Board of Studies (BOS) has formally **approved the adoption and implementation** of these methods across all relevant courses.

### **Agenda 10: Approval of tools used in teaching and learning process to assess course outcomes**

**Resolution:** The BOS **approved the proposed tools** for assessing Course Outcomes. Faculty members are encouraged to integrate these tools into their teaching plans and submit outcome attainment reports for each course at the end of every semester.

### **Agenda 11: Approval of Mandatory Courses**

#### **Resolution:**

The members reviewed and approved the inclusion Constitution of India as of Mandatory Courses

### **Agenda 12: Other Points if any**

#### **Resolution:**

The members invited additional points for discussion. No further significant matters were raised, and the meeting was concluded after addressing all listed agenda items.

**Annexure:** Course Structure, Course Components, TKR Academic Regulations

The following members attended the meeting

S. No	MEMBER	POSITION IN THE BOS
1	Dr. D.Nageshwar Rao- Professor	HoD,ECE,Chairman, BOS
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7	Ms.B.swapna Rani	Senior Faculty
8	Mrs. Ch. Divya	Member

HOD  
Department of ECE

Copy To:

1. All the members of BOS
2. Principal
3. Dean (Academics)