



**BONAM VENKATA CHALAMAYYA ENGINEERING COLLEGE ::ODALAREVU  
(AUTONOMOUS)**

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

**Date : 10/10/2025**

**Time: 02:30 PM**

**Venue : Online Platform (Microsoft Teams)**

**AGENDA**

1. **Item-1:** Welcome Address by Chair Person of BOS.
2. **Item-2:** Discussion on proposed course structure of M.Tech-Embedded Systems of BR25 Regulation and ratification of the same.
3. **Item-3:** Discussion on proposed syllabi of M.Tech-Embedded Systems of BR25 Regulation and ratification of the same.
4. **Item-4:** Any other item.

***Copy to:***

1. Dr. Akula Pravin, Professor & Vice-Principal
2. Dr. Valluri Dhana Raj, Professor
3. Dr. Kompella B S D Sarma, Professor
4. Dr. Kusuma Raja Sekhar, Professor
5. Dr. Saladi Kanaka Durga, Professor
6. Dr. Namburi S. N. Lakshmipathi Raju, Professor
7. Mrs. Chavakula Sridevi, Associate Professor
8. Mr. Nadimpalli Phani Kumar, Associate Professor
9. Ms. Pangam Harika, Associate Professor
10. Mrs. Vallabhareddi Sandhya, Associate Professor
11. Dr. Mandem Nomitha Reddy, Assistant Professor
12. Mr. Yegireddi Satya Vinod, Assistant Professor
13. Mr. Inukonda Rama Satya Nageswara Rao, Assistant Professor
14. Mrs. Marisetty Mounika Varalakshmi, Assistant Professor
15. Ms. Samsani N V D Lakshmi Priyanka, Assistant Professor
16. Ms. Gubbala Lakshmi Durga, Assistant Professor
17. Ms. Tikkireddy Sri Satya Mounika, Assistant Professor
18. Mrs. Jalli Uma Maheswari, Assistant Professor
19. Ms. Gosangi Sukanya, Assistant Professor
20. Ms. Kondamuri Lakshmi Priyanka, Assistant Professor
21. Mr. Gidla Sudheer Babu, Assistant Professor
22. Ms. Kanakala Siva Ranjani, Assistant Professor
23. Ms. Seelam Naga Bharghavi, Assistant Professor
24. Ms. Kankipati Swathi, Assistant Professor
25. Ms. Dunaboyina Tulasi, Assistant Professor
26. Ms. Sabbathi Leelaveni Veni, Assistant Professor
27. Mrs. Chikkam Surya Ramagouri, Assistant Professor
28. Ms. Bokka Sai Sree, Assistant Professor
29. Mr. Yelisetti Narayana Murty, Assistant Professor
30. Mr. Shanmuka Satya Sudheer Naidu M, Assistant Professor
31. Dr. Narasimha Sarma N.V.S, Professor, ECE , NIT Warangal.
32. Dr. K Manjunatha Chari, Professor,EECE, Dy.Director- Accreditation and Ranking  
GITAM Deemed to be University, Hyderabad.



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33. Dr. U.V.Ratna Kumari, Professor, ECE, University College of Engineering Kakinada, JNTUK, Kakinada.
34. Mr. Bokka Devi Vara Prasad, Staff DFT Engineer-I, Sykatiya technologies Pvt Ltd, Bangalore.
35. Dr. B.V.V. Satyanarayana M.Tech, Ph.D, Assoc. Professor, ECE, Vishnu Institute of Technology, Bhimavaram.

**Chairperson of BOS**

Dr.Thoram Saran Kumar  
Assoc.Professor & HOD



**BONAM VENKATA CHALAMAYYA ENGINEERING COLLEGE (A)**  
**ODALAREVU**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Date:** 10/10/2025

The meeting minutes of BR25 M.Tech (Embedded Systems) BOS for ECE department was held on 10-10-2025 in Microsoft Teams online platform.

**Resolutions Taken**

**1. Consider Item No.2.**

Resolved to ratify the course structure of BR25 M.Tech (Embedded Systems). The approved are enclosed herewith.

**M.TECH.-I YEAR I SEMESTER**

| S.No.        | Course Category | Subject Code | Subject Name                          | L         | T         | P         | Credits   |
|--------------|-----------------|--------------|---------------------------------------|-----------|-----------|-----------|-----------|
| 1            | PCC             | 25EM1T01     | Embedded Systems                      | 3         | 1         | 0         | 4         |
| 2            | PCC             | 25EM1T02     | System design with Embedded Linux     | 3         | 1         | 0         | 4         |
| 3            | PCC             | 25EM1T03     | ARM Microcontroller based design      | 3         | 1         | 0         | 4         |
| 4            | PEC             |              | Program Elective-I                    | 3         | 0         | 0         | 3         |
| 5            | PEC             |              | Program Elective-II                   | 3         | 0         | 0         | 3         |
| 6            | PCC             | 25EM1L01     | Embedded Systems Lab                  | 0         | 1         | 2         | 2         |
| 7            | PCC             | 25EM1L02     | System Design with Embedded Linux Lab | 0         | 1         | 2         | 2         |
| 8            | PCC             | 25EM1S01     | Seminar-I                             | 0         | 0         | 2         | 1         |
| <b>Total</b> |                 |              |                                       | <b>15</b> | <b>05</b> | <b>06</b> | <b>23</b> |

**List of Professional Elective Courses in I Semester (Electives – I & II)**

| S.No | Course Category | Subject Code | Course Title                                |
|------|-----------------|--------------|---------------------------------------------|
| 1    | PEC -I          | 25EM1D01     | Software for Embedded Systems               |
| 2    | PEC -I          | 25EM1D02     | Hardware Software Co-design                 |
| 3    | PEC -I          | 25EM1D03     | Micro electromechanical Systems (MEMS)      |
| 4    | PEC -I          | 25EM1D04     | Pervasive devices and Technology            |
| 5    | PEC -II         | 25EM1D05     | Real Time Systems                           |
| 6    | PEC -II         | 25EM1D06     | Embedded System Integration                 |
| 7    | PEC -II         | 25EM1D07     | Embedded Networks and Protocols             |
| 8    | PEC -II         | 25EM1D08     | RISC Processor Architecture and Programming |



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**M.TECH. I YEAR II SEMESTER**

| S.No.        | Course Category | Subject Code | Subject Name                                 | L         | T         | P         | Credits   |
|--------------|-----------------|--------------|----------------------------------------------|-----------|-----------|-----------|-----------|
| 1            | PCC             | 25EM2T04     | System Design using Embedded Processors      | 3         | 1         | 0         | 4         |
| 2            | PCC             | 25EM2T05     | Embedded and Real Time Operating Systems     | 3         | 1         | 0         | 4         |
| 3            | PCC             | 25EM2T06     | Internet of Things                           | 3         | 1         | 0         | 4         |
| 4            | PEC             |              | Program Elective-III                         | 3         | 0         | 0         | 3         |
| 5            | PEC             |              | Program Elective-IV                          | 3         | 0         | 0         | 3         |
| 6            | PCC             | 25EM2L03     | System Design using Embedded Processors Lab  | 0         | 1         | 2         | 2         |
| 7            | PCC             | 25EM2L04     | Embedded and Real Time Operating Systems Lab | 0         | 1         | 2         | 2         |
| 8            | PCC             | 25EM2S02     | Seminar-II                                   | 0         | 0         | 2         | 1         |
| <b>Total</b> |                 |              |                                              | <b>15</b> | <b>05</b> | <b>06</b> | <b>23</b> |

List of Professional Elective Courses in II Semester (Electives – III & IV)

| S.No | Course Category | Subject Code | Course Title                      |
|------|-----------------|--------------|-----------------------------------|
| 1    | PEC -III        | 25EM2D09     | AI for Embedded Systems           |
| 2    | PEC -III        | 25EM2D10     | Embedded System design using FPGA |
| 3    | PEC -III        | 25EM2D11     | ASIC & SoC Design                 |
| 4    | PEC -III        | 25EM2D12     | Robotics and Machine Vision       |
| 5    | PEC -IV         | 25EM2D13     | Network Embedded Applications     |
| 6    | PEC -IV         | 25EM2D14     | GPU Architectures and Programming |
| 7    | PEC -IV         | 25EM2D15     | Embedded Computing System         |
| 8    | PEC -IV         | 25EM2D16     | Cryptography and Network Security |



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**M.TECH. II YEAR I SEMESTER**

| S.No         | Course Category | Subject Code | Course Title                                                     | L         | T        | P         | Credits   |
|--------------|-----------------|--------------|------------------------------------------------------------------|-----------|----------|-----------|-----------|
| 1            | HMC             | 25HM3D01     | Research Methodology and IPR/Swayam 12 Week MOOC course-RM & IPR | 3         | 0        | 0         | 3         |
| 2            | PCC             | 25EM3P01     | Summer Internship/Industrial training(8- 10) Weeks*              | -         | -        | -         | 3         |
| 3            | PCC             | 25EM3V01     | Comprehensive Viva #                                             | -         | -        | -         | 2         |
| 4            | PCC             | 25EM3P02     | Dissertation part -A\$                                           | -         | -        | 20        | 10        |
| <b>Total</b> |                 |              |                                                                  | <b>03</b> | <b>-</b> | <b>20</b> | <b>18</b> |

- \*Student attended during summer /year break and assessment will be done in 3<sup>rd</sup>Sem
- # Comprehensive viva can be conducted courses completed upto second semester
- \$ Dissertation-Part A internal Assessment

**M.TECH. II YEAR II SEMESTER**

| S.No         | Course Category | Subject Code | Course Title            | L         | T        | P         | Credits   |
|--------------|-----------------|--------------|-------------------------|-----------|----------|-----------|-----------|
| 1            | PCC             | 25EM3P03     | Dissertation Part – B % | -         | -        | 32        | 16        |
| <b>Total</b> |                 |              |                         | <b>03</b> | <b>-</b> | <b>32</b> | <b>16</b> |

% Extrenal Assessment

**2. Consider item No. 3**

Resolved to ratify the Proposed Syllabus of M.Tech in Embedded Systems for the above mentioned Course structure as they are in toto JNTUK R25 regulations.

Finally, Chairman of BOS thanked all the members of their valuable inputs and active participation in the meeting.

**BOS Chair Person**



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**Date:** 10/10/2025

The meeting minutes of BOS for ECE department was held on 10-10-2025 in Microsoft Teams online platform.

**Members Present:**

| S.No | Name                                                       | Position in BOS | Remarks |
|------|------------------------------------------------------------|-----------------|---------|
| 1    | Dr. Thoram Saran Kumar, Associate Professor, HOD           | Chair Person    |         |
| 2    | Dr. Akula Pravin, Professor & Vice-Principal               | Member          |         |
| 3    | Dr. Valluri Dhana Raj, Professor                           | Member          |         |
| 4    | Dr. Kompella B S D Sarma, Professor                        | Member          |         |
| 5    | Dr. Kusuma Raja Sekhar, Professor                          | Member          |         |
| 6    | Dr. Saladi Kanaka Durga, Professor                         | Member          |         |
| 7    | Dr. Namburi S. N. Lakshmipathi Raju, Professor             | Member          |         |
| 8    | Mrs. Chavakula Sridevi, Associate Professor                | Member          |         |
| 9    | Mr. Nadimpalli Phanikumar, Associate Professor             | Member          |         |
| 10   | Ms. Pangam Harika, Associate Professor                     | Member          |         |
| 11   | Mrs. Vallabhareddi Sandhya, Associate Professor            | Member          |         |
| 12   | Dr. Mandem Nomitha Reddy, Assistant Professor              | Member          |         |
| 13   | Mr. Yegireddi Satya Vinod, Assistant Professor             | Member          |         |
| 14   | Mr. Inukonda Rama Satya Nageswara Rao, Assistant Professor | Member          |         |
| 15   | Mrs. Marisetty Mounika Varalakshmi, Assistant Professor    | Member          |         |
| 16   | Ms. Samsani N V D Lakshmi Priyanka, Assistant Professor    | Member          |         |
| 17   | Ms. Gubbala Lakshmi Durga, Assistant Professor             | Member          |         |
| 18   | Mrs. Jalli Uma Maheswari, Assistant Professor              | Member          |         |
| 19   | Ms. Gosangi Sukanya, Assistant Professor                   | Member          |         |



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|    |                                                                                            |                               |  |
|----|--------------------------------------------------------------------------------------------|-------------------------------|--|
| 20 | Ms. Kondamuri Lakshmi Priyanka, Assistant Professor                                        | Member                        |  |
| 21 | Mr. Gidla Sudheer Babu, Assistant Professor                                                | Member                        |  |
| 22 | Ms. Kanakala Siva Ranjani, Assistant Professor                                             | Member                        |  |
| 23 | Ms. Seelam Naga Bharghavi, Assistant Professor                                             | Member                        |  |
| 24 | Ms. Kankipati Swathi, Assistant Professor                                                  | Member                        |  |
| 25 | Ms. Dunaboyina Tulasi, Assistant Professor                                                 | Member                        |  |
| 26 | Ms. Sabbathi Leelaveni Veni, Assistant Professor                                           | Member                        |  |
| 27 | Mrs. Chikkam Surya Ramagouri, Assistant Professor                                          | Member                        |  |
| 28 | Ms. Bokka Sai Sree, Assistant Professor                                                    | Member                        |  |
| 29 | Mr. Yelisetti Narayana Murty, Assistant Professor                                          | Member                        |  |
| 30 | Mr. Shanmuka Satya Sudheer Naidu M, Assistant Professor                                    | Member                        |  |
| 31 | Dr. Narasimha Sarma N.V.S, Professor, Dept of ECE, NIT Warangal.                           | External Expert               |  |
| 32 | Dr. U.V.Ratna Kumari, Professor, Dept. of ECE , UCEK, JNTUK Kakinada.                      | JNTUK Nominee                 |  |
| 33 | Dr. K Manjunatha Chari, Professor, Dept. of EECE, GITAM Deemed to be University, Hyderabad | External Expert               |  |
| 34 | Bokka Devi Vara Prasad, Staff DFT Engineer-I, Sykatiya Technologies Pvt Ltd, Bangalore     | External Expert From Industry |  |
| 35 | Dr. B.V.V. Satyanarayana, Associate Professor, Dept. of ECE, VIT, Bhimavaram.              | PG Alumni                     |  |

**Chair Person ( BOS-ECE, BVCEC )**