Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati

Department of Electronics and Telecommunication Engineering

Minutes of the Board of Studies (BoS) Meeting

For Discussion and Approval of B.Tech Final Year Autonomy Structure

for A.Y. 2026–27

1. Meeting Details

- **Name of Meeting:** Board of Studies (BoS) Meeting
- **Department:** Electronics and Telecommunication Engineering (ENTC)
- **Purpose:** Discussion and approval of **B.Tech Final Year Autonomy Structure** for **Academic Year 2026–27**
- **Mode of Conduct:** Online
- **Date:** 14 March 2026
- **Time:** 3:30 PM to 5:30 PM

2. Members Present

Internal Members

All faculty members of the **Department of Electronics and Telecommunication Engineering, VPKBIET Baramati**, were present in the online meeting.

External Expert Members

The following expert members attended the meeting in online mode:

1. **Dr. P. K. Biswas** – Professor, IIT Kharagpur
2. **Dr. Kamal Captain** – Assistant Professor, SVNIT, Surat
3. **Mr. Pravin More** – Orbittal Electromech Engineering Projects Pvt. Ltd.

3. Agenda of the Meeting

The agenda of the meeting was as follows:

1. To discuss the **B.Tech Final Year (Semester VII & VIII) Autonomy Structure** for A.Y. 2026–27.
2. To review and deliberate on the proposed **theory courses, electives, internship, audit/value-added courses, and project-related components**.
3. To obtain suggestions from academic and industry experts for improving the curriculum in line with **industry requirements, employability, research orientation, and Outcome-Based Education (OBE)**.
4. To approve the proposed **B.Tech Final Year curriculum structure** for implementation from A.Y. 2026–27.

4. Proceedings of the Meeting

The meeting commenced at **3:30 PM** in online mode under the chairmanship of the **Head of Department / Chairperson, Board of Studies, ENTC Engineering**.

The Chairperson welcomed all internal faculty members and external experts and briefed the Board about the objective of the meeting, i.e., discussion and approval of the **B.Tech Final Year Autonomy Structure for A.Y. 2026–27**. The proposed curriculum structure for **Semester VII and Semester VIII** was presented before the Board.

The Board discussed the proposed courses with focus on:

- Relevance to current industry needs
- Scope for higher studies and research
- Practical exposure and laboratory orientation
- Continuous evaluation methodology
- Integration of emerging technologies in ENTC domain
- Balance between theory, practicals, internship, and project work

5. Subject-wise Discussion and Remarks

The following subjects/courses were presented before the Board and discussed in detail:

Sr. No.	Subject / Course	Explained By	Remarks / Suggestions by BoS
1	Internship	Ms. Gawade	The internship component was discussed and appreciated. The Board emphasized strengthening industry exposure and ensuring meaningful learning outcomes through proper evaluation and documentation.
2	Entrepreneurship	Dr. J. S. Rangole	The course was appreciated for encouraging innovation, startup culture, and self-employment opportunities among students. The Board suggested maintaining practical orientation through case studies and idea development activities.
3	Research Methodology	S. D. Biradar	The Board appreciated inclusion of this course for promoting research aptitude, technical writing, literature survey, and publication ethics among final year students.
4	Public Speaking and Aptitude	R. S. Piske	The Board appreciated the course as it supports placement preparation, communication skills, personality development, and employability enhancement. It was considered useful for campus recruitment readiness.

5	Deep Learning and Applications	Dr. P. N. Arotale	The Board appreciated inclusion of this emerging technology course and suggested focusing on application-based learning relevant to ENTC such as signal/image processing, intelligent systems, and automation-related applications.
6	Wireless Sensor Network	R. S. Piske	The Board appreciated the relevance of the course in IoT and smart systems. It was suggested to keep the course application-oriented with emphasis on real-world sensor network use cases and practical implementation.
7	5G and MIMO	Dr. Prabir Ghosh	The course was discussed in detail. The expert members suggested that the course content should be completed with proper **prerequisite coverage**, especially **Probability Theory / Probability Concepts**, to ensure better understanding of MIMO and wireless communication fundamentals. It was also suggested to refer to **Dr. Aditya Sanganathan's video lectures on MIMO** as supplementary learning resources for students.
8	**Elective Courses (5 Subjects)** including **Introduction to Quantum Computing, High Speed PCB Design, Drone Technology and Application**, etc.	Dr. R. K. Shastri	The Board appreciated the basket of electives for covering emerging and advanced domains. For **Drone Technology and Application**, it was specifically suggested that **more hardware-based experiments should be included instead of excessive reliance on simulation**. The Board also suggested giving **higher weightage to continuous evaluation** for this course and maintaining proper evidence/documentation such as **activity records and photographs** for practical work.

6. General Observations by the Board

During the deliberations, the Board made the following general observations:

- The proposed **B.Tech Final Year Autonomy Structure** is well aligned with the current needs of **industry, higher education, and skill development**.
- The curriculum reflects a good blend of:
  - **core domain knowledge,**
  - **emerging technology electives,**
  - **research orientation,**
  - **soft skill development,** and

- o practical / project-based learning.
- Inclusion of courses such as **Deep Learning and Applications**, **Wireless Sensor Network**, **5G and MIMO**, **Quantum Computing**, **High Speed PCB Design**, and **Drone Technology and Application** was appreciated as these reflect contemporary trends in Electronics and Telecommunication Engineering.
- The Board emphasized that:
  - o prerequisite knowledge should be clearly addressed in advanced technical subjects,
  - o practical exposure should be strengthened,
  - o continuous assessment should be meaningful and outcome-based,
  - o laboratory activities should be well documented,
  - o industry relevance should be maintained while finalizing detailed syllabi.

7. Resolution Passed

After detailed discussion and consideration of the suggestions given by all expert members, the **Board of Studies unanimously resolved** that:

The proposed **B.Tech Final Year (Semester VII and VIII) Autonomy Structure of the Department of Electronics and Telecommunication Engineering, VPKBIET Baramati, for Academic Year 2026–27 was discussed in detail and is hereby approved, with incorporation of the suggestions made by the Board wherever applicable.**

The Board further resolved that:

1. The approved structure shall be **implemented from Academic Year 2026–27**.
2. The department shall incorporate the expert suggestions in the **detailed syllabus / course contents / laboratory components** before final submission.
3. The approved structure shall be forwarded to the **Academic Council / competent authority** for further ratification as per autonomous academic process.

8. Conclusion

The Chairperson thanked all the external expert members and faculty members for their valuable suggestions, active participation, and support in finalizing the **B.Tech Final Year Autonomy Structure for A.Y. 2026–27**.

The meeting concluded at **5:30 PM** with a vote of thanks.
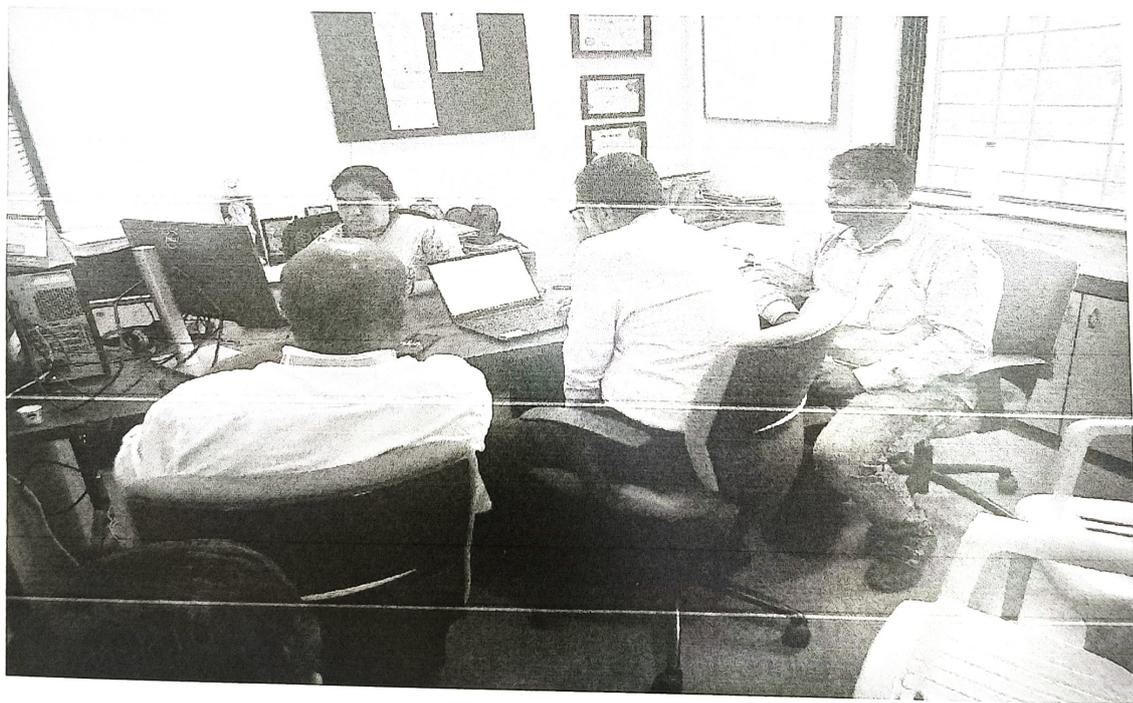
Mr. Rohit S. Piske
Member Secretary and Academic
Coordinator,
VPKBIET, Baramati

Dr. Jyoti S. Rangole
Chairman and HoD
Department of E&TC Engineering,
VPKBIET, Baramati