



CMS COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution)
(Affiliated to Anna University | Approved by AICTE | Accredited by NAAC – 'A'
Grade)

Appachigoundenpathy, Kummittipathi (PO), Coimbatore – 641 032.

Ref : CMS CET / BOS / S&H / 2026–2027 / 01

Date: 27.06.2026

Time: 10.30 AM

BOARD OF STUDIES MEETING MINUTES

The Department of Science and Humanities, CMS College of Engineering and Technology (Autonomous), Coimbatore, conducted the first meeting of the Board of Studies (BoS) on 27.06.2026 at 10:30 a.m. in the Board Room.

The following members participated in the meeting:

S. No.	Name & Designation	Category
1.	Dr. K. Manickaraj Associate Professor & Head Department of Science and Humanities, CMS College of Engineering & Technology	Chairperson
2.	Dr. S. Prasanna Associate Professor Department of Physics PSG College of Technology, Coimbatore Ph:9486445490 Email Id :spa.phy@psgtech.ac.in	Anna University Nominee
3.	Dr. M. Deivanayaki Associate Professor in Mathematics Department of Science and Humanities Faculty of Engineering Karpagam Academy of Higher Education Coimbatore Ph: 9597960938 Email: deivanayaki.m@kahedu.edu.in	Subject Expert
4.	Dr.Nandhakumar Raju, Professor, Department of Chemistry, Karunya Institute of Technology and Sciences (Deemed to be University) Ph:8098470837 Email Id : nandhakumar@karunya.edu	Subject Expert
5.	Dr. B. Krishnakumar Founder and CEO New Technology solutions Coimbatore Ph:9080255557 Email Id : newtechcbe15@gmail.com	Industry Representative

6.	Dr. C. Shajitha Begum Associate Professor, Department of Science and Humanities, CMS College of Engineering & Technology	Internal Stake Holder
7.	Dr. S. Senthil Kumar Associate Professor Department of Science and Humanities, CMS College of Engineering & Technology	Internal Stake Holder
8.	Dr. P. Arun Kumar Associate Professor Department of Science and Humanities, CMS College of Engineering & Technology	Internal Stake Holder
9.	Dr. K. Lakshmikandhan Assistant Professor Department of Science and Humanities, CMS College of Engineering & Technology	Internal Stake Holder
10.	Dr. K. Tharani Assistant Professor Department of Science and Humanities, CMS College of Engineering & Technology	Internal Stake Holder
11.	Mrs. A. Christy Assistant Professor Department of Science and Humanities, CMS College of Engineering & Technology	Internal Stake Holder

Minutes of the Board of Studies Meeting

The meeting of the Board of Studies (BoS) commenced with the **Welcome Address** delivered by the Chairperson, **Dr. K. Manickaraj, Associate Professor**. The Chairperson welcomed all the members and expressed sincere gratitude for their valuable presence and contributions to the academic deliberations.

Dr. K. Manickaraj introduced the **Anna University Nominee, Subject Experts, Industry Representative**, and the members of the Board of Studies. He then presented the proposed **Regulation 2026 Curriculum and Syllabi for the B.E./B.Tech. Programmes (I and II Semesters)** for the academic year 2026–2027.

Agenda No. 1: Welcome Address

The Chairperson welcomed the members of the Board of Studies and highlighted the importance of their expert guidance in strengthening the curriculum and ensuring academic excellence.

Agenda No. 2: Presentation of the Curriculum

The Chairperson presented a comprehensive PowerPoint Presentation (PPT) explaining the proposed Regulation 2026 curriculum, course structure, syllabi, course outcomes, and academic documents for the First and Second Semesters of the B.E./B.Tech. programmes.

The members examined the curriculum and syllabus in detail and offered valuable suggestions for further improvement.

Suggestions by Dr. S. Prasanna (University Nominee)

After reviewing the **Engineering Physics – I** syllabus, the following recommendations were made:

- **Unit I:** Include *Young's Modulus – Uniform Bending Method (Theory and Experiment)*.
- **Unit II:** Include *Basic Definitions, Simple Harmonic Motion (SHM), Velocity, Wave Motion, Time Period, Energy, Torsional Pendulum, and Second-Order Wave Equation for SHM*.
- **Unit III:** Include *Heisenberg's Uncertainty Principle*.
- **Unit IV:** Introduce *Optics* covering *Interference, Reflection, Refraction, Total Internal Reflection, and Types of Lenses*.
- **Unit V:** Include *Growth Techniques of Single Crystals using Solution and Melt Methods*.
- **Laboratory:** Add the experiment **Determination of Thermal Conductivity of a Bad Conductor – Lee's Disc Method**.
- **Textbook Recommendation:** Richard Wolfson, *Essential University Physics*, Volumes 1 & 2, Pearson Education, Singapore, 2021.

For **Engineering Physics – II**, the following suggestions were recommended:

- **Superconductivity:** Include *Properties, Type I and Type II Superconductors, and Applications of Superconductors*.
- **Unit II:** Introduce *Nanotechnology*, including *Bottom-up and Top-down Approaches, Preparation of Nanomaterials, Precipitation Method, Sol-Gel Technique, and Applications of Nanotechnology*.
- **Additional Textbook:** G. Cao, *Nanostructures & Nanomaterials: Synthesis, Properties & Applications*, Imperial College Press, 2004.

Suggestions by Dr. M. Deivanayaki (Subject Expert)

After reviewing the syllabi for **Matrices and Calculus** and **Statistics and Numerical Methods**, the following recommendations were made:

1. Update all prescribed textbooks to their latest editions.
2. Incorporate activity-based learning using MATLAB, Scilab, R, or other open-source software tools.
3. Allocate one hour per week in the timetable for activity-based learning.
4. Frame the course content and activities for first-year students up to **Bloom's Taxonomy Level K3**.

Suggestions by Dr. Nandhakumar Raju (Subject Expert)

After reviewing the **Engineering Chemistry** syllabus, the following recommendations were made:

- **Unit I:** Include *Forward and Reverse Osmosis* and *Breakpoint Chlorination*.
- **Unit II:** Include *Quantum Confinement* and the *Top-down and Bottom-up Methods for the Preparation of Nanomaterials*.

- **Unit III:** Include *Factors Affecting Conductivity*.
- **Unit IV:** Begin the unit with *Sources of Energy*.
- **Unit V:** Include *Lithium-Ion Batteries and Battery Management Systems*.

The expert also provided the following general recommendations regarding curriculum delivery and assessment:

- Conduct **two internal assessments** and **two online MCQ assessments**.
- Introduce competitive MCQs through platforms such as **I am Neo** or **Examly**.
- Follow an internal assessment pattern comprising **25 + 25 marks** for internal tests and **5 + 5 marks** for online MCQs, making a total of **40 internal marks**, with the remaining marks allotted to the end-semester examination.
- Ensure that Course Outcomes correspond to **CO1–CO5**.
- Frame Course Outcomes beginning with the statement: "**The student will be able to...**", followed by the appropriate action verb.
- Design the curriculum to ensure that average learners can successfully complete the course while maintaining sufficient academic rigor to challenge advanced learners.
- Emphasize placement-oriented learning without diluting the academic standards of the syllabus.

Agenda No. 3: Discussion and Approval of the Curriculum

The members of the Board of Studies discussed the proposed **Regulation 2026 Curriculum and Syllabi for the First and Second Semesters** in detail. After incorporating the recommendations and suggestions made by the Anna University Nominee, Subject Experts, Industry Representative, and Board members, the curriculum was unanimously accepted.

Resolution

The Board of Studies unanimously resolved to recommend the **Regulation 2026 Curriculum and Syllabi for the First and Second Semesters of the B.E./B.Tech. Programmes for the Academic Year 2026–2027** to the **Academic Council** for further approval.

Vote of Thanks

The meeting concluded with a **Vote of Thanks** proposed by **Dr. C. Shajitha Begum**, Member of the Board of Studies. She thanked the Chairperson, Anna University Nominee, Subject Experts, Industry Representative, and all the members for their valuable suggestions, active participation, and constructive contributions. The meeting was then formally adjourned.



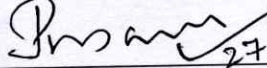
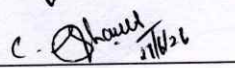
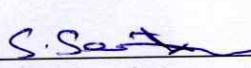
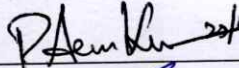
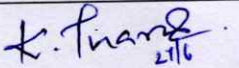
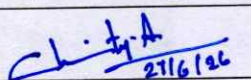
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Members Present

S. No.	Name & Designation	Category	Signature
1.	Dr. K. Manickaraj	Chairperson	 27/6/26
2.	Dr. S. Prasanna	University Nominee	 27/6/26
3.	Dr. M. Deivanayagi	Subject Expert	 27/6/26
4.	Dr. Nandhakumar Raju	Subject Expert	 27/6/26
5.	Dr. B. Krishnakumar	Industry Representative	 27/6/26
6.	Dr. C. Shajitha Begum	Member	 27/6/26
7.	Dr. S. Senthil Kumar	Member	 27/6/26
8.	Dr. P. Arun Kumar	Member	 27/6/26
9.	Dr. K. Lakshmikandhan	Member	 27/6/26
10.	Dr. K. Tharani	Member	 27/6/26
11.	Mrs. A. Christy	Member	 27/6/26



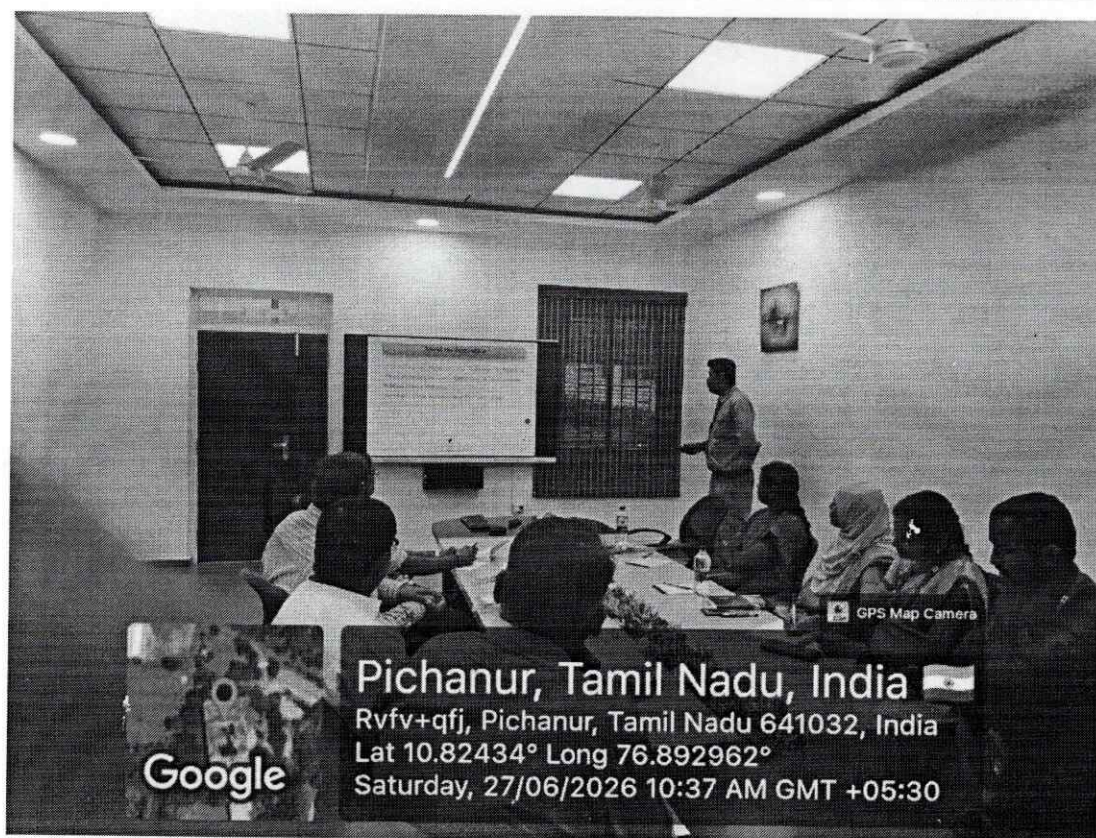
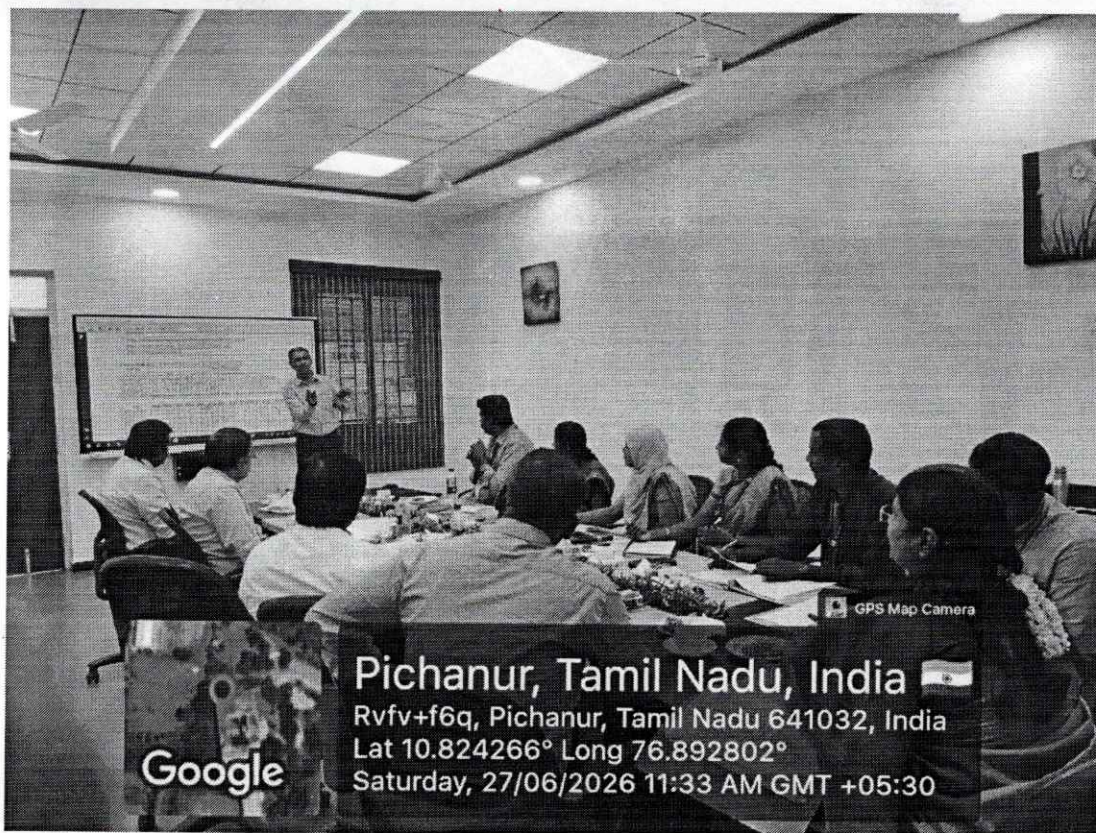
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K. N. N. N. N.
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