

Minutes of the 12th Board of Studies Meeting

Venue: Dafoddil Hall (Hybrid mode)

Date: 02.06.2025

Meeting ID: 943 5918 9782

Time: 11:30 AM

Agenda:

1. Vision and Mission of the Institution and Department
2. Discussion on the minutes of previous BoS meeting and action taken
3. Proposal for New Additional Credit Courses
4. Inputs from members for Regulations 2025 and ratification of items, if any.
5. Any other matter brought by the Chair

Members Present:

S.No	Name of the member with Designation	Category	Signature
1.	Dr. K. S. Tamilselvan Professor and Head, Department of BME, KPRIET, Coimbatore	Chairman	
2.	Dr. M. Santhanalakshmi Associate Professor, Department of Electronics and Communication Engineering, PSG College of Technology, Peelamedu, Coimbatore	University Nominee	ONLINE
3.	Dr. R. H. Havaladar M.Tech., Ph.D. Joint Secretary, IEEE EMBS Bangalore Chapter Member, Execom BMESI Manipal Chapter Professor and Head, Department of Biomedical Engineering KLE DR. M. S. Sheshgiri College of Engineering & Technology Udyambag, Belgaum, 590 008, Karnataka, India	Academic Expert-1	ONLINE
4.	Dr. Kunal Pal Professor Department of <i>Biotechnology & Medical</i> Engineering, National Institute of Technology, Rourkela	Academic Expert-2	ONLINE

Department of Biomedical and Engineering
KPR Institute of Engineering and Technology



5.	Mr. D. Rajesh Senior Program Manager, Emergency Care Business, Philips, Pune	Industry Expert	<i>J. Raj</i> 2/6/2025
6.	Dr. K. Rajasekaran Professor, Department of BME, KPRIET	Faculty Member	<i>Rajasekaran</i> 2/6/25
7.	Dr. P. Sreelatha Professor, Department of BME, KPRIET	Faculty Member	<i>Sreelatha</i> 2/6/25
8.	Dr. D. Sudarvizhi Associate Professor, Department of BME KPRIET	Faculty Member	ONLINE
9.	Dr. A. Allwyn Gnanadas Assistant Professor (III), Department of BME KPRIET	Faculty Member	<i>A. Allwyn</i> 2/6/25
10.	Dr. T. Gayathri Assistant Professor (III), Department of BME KPRIET	Faculty Member	<i>T. Gayathri</i> 2/6/25
11.	Dr. N. Rajasingam Assistant Professor (III), Department of BME KPRIET	Faculty Member	<i>N. Rajasingam</i> 2.6.25
12.	Dr. P. ArunKumar Assistant Professor (III), Department of BME KPRIET	Faculty Member	<i>P. ArunKumar</i> 2/6/25
13.	Ms. M. Swathy Assistant Professor (II), Department of BME, KPRIET	Faculty Member	ONLINE
14.	Mr. R. Krishna Kumar Assistant Professor (I), Department of BME KPRIET	Faculty Member	<i>R. Krishna Kumar</i> 2/6/25
15.	Ms. Pinki Dey Assistant Professor (II),	Faculty Member	<i>P. Pinki Dey</i> 2nd June 25

16.	Mr. Nitish Kumar Assistant Professor (II), Department of BME KPRIET	Faculty Member	<i>Nitish K.</i> <i>2/6/25</i>
17.	Ms. Payel Das Assistant Professor (II), Department of BME KPRIET	Faculty Member	<i>Payel Das</i> <i>2/6/25</i>
18.	Ms. S. Kanimozhi Assistant Professor (II), Department of BME KPRIET	Faculty Member	<i>S. Kanimozhi</i> <i>2/6/25</i>
19.	Ms. K. Priyadharshni Associate Analyst, Zifo RnD Solutions, Chennai	Alumna (2018 – 2022)	<i>ONLINE</i>

Minutes of the 12th Meeting of the Board of Studies:

The meeting started with the Chairman, Department of Biomedical Engineering welcoming the members of the Board of Studies and continued with a presentation on Vision, Mission, POs, PEOs, PSOs, Syllabus content of Professional Electives and Additional One Credit Courses offered under Regulations 2021 and R2025 curriculum structure.

Following points were discussed at the 12th Board of Studies meeting.

RESOLUTIONS:

1. Action taken on the minutes of the 11th BOS meeting:

- U21OBM06 – Conducted industry one credit on Deep Learning in Biomedical Imaging during the IV semester

2. Regulations 2021 – U.G. Programme

- The following courses were approved by the board to be offered as capsule courses.
 - Endoscopy and Laparoscopy
 - Altium - PCB Design software

3. Industry/Academic inputs on curriculum design

- Mr. Boopathi Sakthivel, Prashan Medical Technologies suggested to include real time case studies during industrial visit.

4. Industry Oriented Courses / Value Added Courses

The following courses are approved by the board for offering as Industry Oriented One Credit Courses during the Even semester of Academic year 2024 - 2025

- Biosignal Interface and Analysis with LabVIEW – will be offered for V semester
- Medical Electronics Design – will be offered for III semester
- Building Biomedical Devices: Design to Prototype – will be offered for III semester
- Smart Healthcare Systems and IoT in Biomedicine – will be offered for V semester

5. NPTEL Courses

The following NPTEL courses are approved by the board for offering during the Even semester of Academic year 2024 – 2025

- Genetic Engineering: Theory and Application
- Artificial Intelligence in Drug Discovery and Development
- Microelectronics: Devices to Circuits
- Electronic Systems for Cancer Diagnosis
- Fabrication Techniques for MEMs-based Sensors: Clinical Perspective
- Electronic Systems Design: Hands-on Circuits and PCB Design with CAD Software
- Biomedical Ultrasound: Fundamentals of Imaging and Micromachined Transducers
- Neuroscience of Human Movements

6. Amendments if any in R2021

Nil

7. Any other matters

R2025

- Dr. Havalder, Professor & Head, Department of Biomedical Engineering,

KLE DR. M. S. Sheshgiri College of Engineering & Technology suggested to have specific Basic Science Courses for the department domain.

- Dr. M.Santhanalakshmi, University Nominee recommended to offer Pre-requisite for Vertical IV and V.
- Dr. M.Santhanalakshmi, University Nominee suggested to reconsider the language elective credit weightage.
- Mr. D. Rajesh, Senior Program Manager, Philips suggested to add recent trend as subjects in professional elective as per industry needs.
- Ms. Priyadharshini, Programmer Analyst, Zifo RnD Solutions suggested for one month student internship program.

KD
3/6/2025

Chairman – BoS/BME

