

Minutes of the Tenth Board of Studies Meeting

Venue: Legend Hall (Hybrid mode)

Date: 09.05.2024

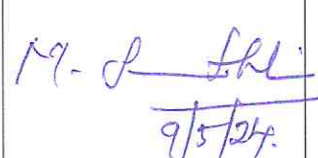
Meeting ID: 996 8512 9409

Time: 01:00 PM to 4:00 PM

Agenda:

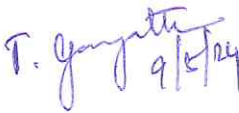
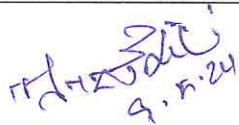
1. Vision and Mission of the Institution
2. Vision, Mission, PEO & PSO of the Department
3. Discussion on the minutes of previous BoS meeting and action taken
4. Inclusion of the professional elective vertical 'Medical Systems'
5. Stakeholders' inputs on syllabus framing
6. Additional credit courses for the forthcoming semester
7. Any other matter brought by the Chair

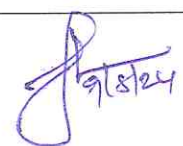
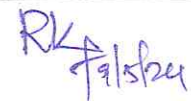
Members Present:

S.No	Name of the member with Designation	Category	Signature
1.	Dr. D. Ganesh Kumar 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	
3.	Dr. R. H. Havaladar 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 Karnataka	Academic Expert-1	ONLINE
4.	Dr. Kunal Pal Professor & Head, Department of Biomedical Engineering, National Institute of Technology, Rourkela	Academic Expert-2	ONLINE

Department of Biomedical and Engineering

KPR Institute of Engineering and Technology

5.	Dr. V. Nandhagopal, MBBS, MD Consultant Pulmonologist, Institute of Lung Care & Research, Hindusthan Hospital, Coimbatore	Special Invitee – I (From Hospital)	ONLINE
6.	Dr. S. Sunetha, MBBS, DGO(Director) Obstetrics and Gynaecology Ranjan Medical Centre Coimbatore	Special Invitee – II (From Hospital)	 9/5/24
7.	Mr. D. Rajesh Leader – Program Management Office, Emergency Care Business, Philips, Pune	Industry Expert	ONLINE
8.	Dr. K. Rajasekaran Professor, Department of BME, KPRIET	Faculty Member	ONLINE
9.	Dr. P.Sreelatha Professor, Department of BME, KPRIET	Faculty Member	 9/5/24
10.	Dr. A. Allwyn Gnanadas Assistant Professor (Sl.G), Department of BME KPRIET	Faculty Member	 9/5/24
11.	Dr. T.Gayathri Assistant Professor (Sl.G), Department of BME KPRIET	Faculty Member	 9/5/24
12.	Dr. S. Logesh Kumar Assistant Professor (Sl.G), Department of BME KPRIET	Faculty Member	
13.	Dr. N. Rajasingam Assistant Professor (Sl.G), Department of BME KPRIET	Faculty Member	 9.5.24

14.	Dr. D. Sudarvizhi, AP Assistant Professor (Sr.G), Department of BME, KPRIET	FACULTY MEMBER	
15.	Mr. V. Bharath Assistant Professor (Sr.G), Department of BME, KPRIET	Faculty Member	
16.	Ms. M. Swathy Assistant Professor (Sr.G), Department of BME, KPRIET	Faculty Member	
17.	Mr. John Amose Assistant Professor (Sr.G), Department of BME, KPRIET	FACULTY MEMBER	
18.	Dr. P. Arun Kumar Assistant Professor (Sr.G), Department of BME KPRIET	Faculty Member	
19.	Ms. B. Priya Darshini Assistant Professor, Department of BME, KPRIET	Faculty Member	
20.	Mr. R. Krishna Kumar Assistant Professor, Department of BME, KPRIET	Faculty Member	
21.	Ms. K. Priyadarshni Associate Analyst, Zifo RnD Solutions, Chennai	Alumna (2018 – 2022)	

Minutes of the 10th 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.

RESOLUTIONS:

1. Action taken on the minutes of the 9th BOS meeting:

- U21BMX06 – Telemedicine is included in the list of open elective choices that will be offered during the VI semester (OEC III)
- The following courses were approved by the board to be offered as special elective courses for the PhD scholars
 - P23BM001 - Explainable AI (XAI) In Healthcare
 - P23BM002 - Bioelectronics and Biosensors
 - P23BM003 - Nanobiomaterials for Biomedical Applications
 - Applied Medical Image Processing
 - Research Methodology for Biomedical Engineering

2. Regulations 2021 – U.G. Programme

- The existing professional elective vertical IV (Medical Data Processing) is renamed as “Intelligent Systems for Medicine”
- The courses U21BMP49 - AI and ML for Medical Diagnostics, U21BMP50 - Medical Data Visualization and U21BMP51 - Cybersecurity for Medical Data under the professional vertical IV “Intelligent Systems for Medicine” was approved
- A new professional elective vertical “Medical Systems” is introduced and approved by the members

3. Industry/Academic inputs on curriculum design

- U21BMP41 OPHTHALMOLOGY: Dr. Ram Mohan, Head Laboratory services, Aravind Eye Hospitals, Coimbatore suggested to include LASIK technique for eye surgery - Included in unit III
- U21BMP42 PULMONOLOGY: Dr.V.Nandagopal, Pulmonologist, Hindustan Hospital, Coimbatore suggested to include Spirometry and advanced equipments in Pulmonology – Included in Unit II
- U21BMP43 GYNAECOLOGY AND OBSTETRICS: Dr.Suneetha Ramar, COO Ranjan Medical Centre and Hospital, Coimbatore suggested to include practical approaches for radiological technique studies – Included in Unit III
- Dr. Kunal Pal, Professor & Head, Department of Biomedical Engineering,

- National Institute of Technology, Rourkela suggested to have topics balancing both medical and engineering aspects equally. He insisted to have the topics elaborate/specific rather than giving a broad title
- U21BMP44 NEUROLOGY: Dr.S. Ramya, Consultant Neurologist, Tiruppur Medical Foundation (TMF) suggested to include case studies in the syllabus – Included in Unit I & II
- U21BMP45 UROLOGY & NEPHROLOGY: Dr. Kandasami, Founder, Urology and Nephrology, Vedanayagam Hospital, Coimbatore suggested to include case studies in Unit III – Included the same
- U21BMP46 ORTHOPAEDICS: C.G.Vandana, Head Operations & Quality, Ganga Medical Centre and Hospital, Coimbatore suggested to include diagnostic testing on osteoporosis BMD/ DEXA scan, CT guided BMD – Included in Unit V
- U21BMP47 PAEDIATRICS: Mr.Eswaramurthy, CEO, Masonic Medical centre for children, Coimbatore suggested to add topics on treatment modalities for paediatrics – Included in Unit IV
- U21BMP48 CHEMOTHERAPY: Mr. Mukund Parasuram.V, Sr.Clinical Pharmacist, Royal Care Super Speciality Hospitals, Coimbatore suggested to include topics on safe equipment handling and dosimetry – Included in Unit III

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 Odd semester of Academic year 2024 - 2025

1. Medical Coding – will be offered for III semester
2. Design and Implementation of Biomedical Circuits – will be offered for V semester

5. Amendments if any in R2021

Nil

6. Any other matters

- Dr. S. Sunetha, Industry Expert suggested to fix the related professional core courses as pre-requisites for the courses under professional elective track “Medical Systems”
- Dr. M.Santhanalakshmi, University Nominee also recommended to offer one credit courses/internship at hospitals as pre-requisites for the courses under professional elective track “Medical Systems”

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- Dr. V. Nandhagopal recommended to provide "Egan's Fundamentals of Respiratory Care" as the reference book for the course U21BMP42 PULMONOLOGY SYSTEMS



11/5/2024
Chairman – BoS/BME

