

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

4th BOS MINUTES HELD ON 24.07.2021

S.No	NAME	DESIGNATION	POSITION IN COMMITTEE	COLLEGE/ UNIVERSITY/ INDUSTRY
1	Mr. D. Murugesan	Head of the Department/ MDE	Chairman	Paavai Engineering College
2	Dr. M. Ganesh Madan	Professor and Head, Department of ECE	University Nominee	Madras Institute of Technology
3	Dr. V.G. Sangam	Principal	Academic Expert	B.L.D.E.A'S V.P.Dr. P.G.H College of Engineering and Technology, Vijayapur.
4	Dr. R. Vanithamani	Professor, Department of Biomedical Instrumentation Engineering	Academic Expert	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.
5	Mr. S. Kumar	Manager, Medical Electronics	Industrial Expert	TMI Systems, Bangalore.
6	Mrs. N. Jayanthi	Associate Professor, MDE	Members	Paavai Engineering College
7	Ms. S. Senthamil	Assistant Professor, MDE		
8	Mrs. F. Sharmila Banu	Assistant Professor, MDE		
9	Mrs. S. Praveena	Assistant Professor, MDE		

AGENDA:

1. The curriculum and syllabus for the 7th and 8th semester of regulations 2016(for the students admitted during the academic year 2016- 2017).
2. The curriculum and syllabus for the 5th and 6th semester of regulations 2019(for the students admitted during the academic year 2019-2020).
3. The curriculum and syllabus for the 3rd and 4th semester of regulations 2019(for the students admitted during the academic year 2020-2021).
4. List of one credit course and value added courses.
5. Panel of Examiners.

SUGGESTIONS BY THE MEMBERS:

1. MD16701- HUMAN ASSIST DEVICES
Members suggested to include more topics related to the recent trends.
2. MD16702- MEDICAL IAMGE PROCESSING
To include biomedical applications in every unit.

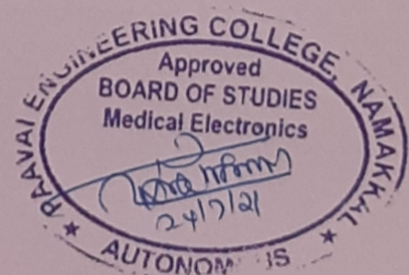
3. MD16703- HEALTHCARE AND HOSPITAL MANAGEMENT
ISO codes need to be included in unit III.
4. MD16704- MEDICAL IMAGE PROCESSING LABORATORY
12 experiments based on specific topics must be included.
5. MD16351- MEDICAL DEVICES REGULATION
The course can be swapped with MD16703- Healthcare and Hospital Management as Professional core and unit IV topics can be reviewed.
6. MD16352-REHABILITATION ENGINEERING
The course outcomes must be reframed.
7. MD16452- ADVANCED MEDICAL INSTRUMENTATION
Course outcomes need to be reframed. Course can be an open elective.
Topics related to construction of bio signals via software such as python can be included in unit IV.
Text book upgradation must be done.
IoT concepts can be integrated in unit V.
In unit II 'PCB antenna' topic can be replaced with 'Flexible Antenna'.
8. MD20304- DIGITAL DESIGN AND HDL
More topics related to recent trends to be included.

GENERAL DISCUSSIONS:

- Hospital training, Project Phase I, Project Phase II, Biosignal Processing Laboratory, Diagnostic and Therapeutic Equipment Laboratory- Course objectives relevant to course outcomes are discussed and got approved respectively.
- Credits allocation has been discussed.
- One credit courses got discussed and approved.
- Value added courses are suggested for inclusion of certification along with grade sheets.
- Discussions regarding R19(19-20), R19(20-21) are made and clarified.

The suggestions were given by the members and approved the syllabi for 5th and 6th semester of 2019-20 admitted students, 3rd and 4th semester of 2020-21 admitted students of regulation 2019 (CBCS), one credit courses, value added courses and panel of examiners.

Position in the Committee	UNIVERSITY NOMINEE	ACADEMIC EXPERT 1	ACADEMIC EXPERT 2	INDUSTRY EXPERT
Name & Designation	Dr. M. Ganesh Madan	Dr. V.G. Sangam	Dr. R. Vanithamani	Mr. S. Kumar
e-Signature	M. Ganesh Madan	(Dr. V.G. Sangam)	R. Vanithamani	S. Kumar



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ACTION TAKEN REPORT

4th BOS Held on 24.07.2021

Date: 26.07.2021

Based on the discussion and recommendations held during the Standing Committee meeting dated 25.07.2021.

The following suggestions have been implemented in the curriculum and syllabus.

UG - REGULATIONS 2016

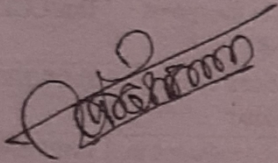
S.No	Year	Course code & Name	Suggestions	Implementation
1.	IV	MD16701-Human Assist Devices	More topics related to the recent trends to be included	IMPLEMENTED
2	IV	MD16702-Medical Image Processing	Biomedical applications in every unit need to be included	IMPLEMENTED
3	IV	MD16703-Healthcare and Hospital Management	ISO codes needs to be included in unit iii	IMPLEMENTED
4	IV	MD16704 – Medical Image Processing Laboratory	12 experiments based on the specific topics need to be included	IMPLEMENTED
5	IV	MD16351 - Medical Device Regulation	Can be swapped with MD16703 – Healthcare and hospital management as Professional Core	NOT-IMPLEMENTED Due to compulsory management paper in Regulation 2016, the paper cannot be swapped
6	IV	MD16351 - Medical Device Regulation	UNIT IV Topics can be reviewed	IMPLEMENTED
7	IV	MD16352- Rehabilitation Engineering	Course Outcomes need to be reframed.	IMPLEMENTED
8	IV	MD16452 – Advanced Medical Instrumentation	Course can be an open elective	IMPLEMENTED
9	IV	MD16452 – Advanced Medical Instrumentation	Fundamental topics in all units must be removed.	IMPLEMENTED
10	IV	MD16452 – Advanced Medical Instrumentation	Topics related to construction of bio signals via software such as python can be included in Unit IV	IMPLEMENTED
11	IV	MD16452 – Advanced Medical Instrumentation	Textbook upgradation must be done.	IMPLEMENTED
12	IV	MD16452 – Advanced Medical Instrumentation	IoT concepts can be integrated in unit V.	IMPLEMENTED
13	IV	MD16452 – Advanced	In Unit II 'PCB Antenna' topic	IMPLEMENTED

		Medical Instrumentation	can be replaced with 'Flexible Antenna'	
14	IV	MD16452 – Advanced Medical Instrumentation	Course objectives and Course outcomes should be framed accordingly.	IMPLEMENTED

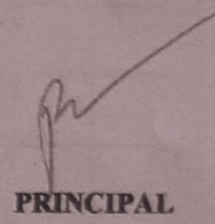
UG - REGULATIONS 2019

S.No	Year	Course code & Name	Suggestions	Implementation
1.	III	MD20304 - Digital Design and HDL	More topics related to the recent trends to be included	IMPLEMENTED

The above implementations were effective from the academic year 2021-2022



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