

**School of Engineering**  
**Department of Biomedical Engineering**

The details of the suggested Board of Members for the Department of Biomedical Engineering are shown below :

S. No	Name of the Board Member	Designation	Institute / Industry
<b>Internal Members</b>			
1	Ms. Hemalatha.R.J	HOD & Convener	Vels University
2	Ms. Josline Elsa Joseph	Assistant Professor	Vels University
<b>External Expert Members</b>			
1	Dr. V.Vijayabaskar	Professor and Head	Sathyabama University, Chennai
2	Dr. Hariharan	Associate Professor	SRM University, Chennai
3	Dr. Venkat sai	Professor and Head	Sri Ramachandra university - SRMC, Chennai
4	Mr. B. Venkatraman	Managing Partner (Technical)	Biovision Medical Systems, Chennai.
5	Mr. Balachandar.S	Biomedical - Technical Trainer	Helix Corporation



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**Internal Members**

1	Mr.K.Rajendran	HOD&Convenor	Vels University
2	Dr.M.Chandrasekaran	Director	Vels University
3	Dr.S.Arun	Associate Professor	Vels University
4	Mrs.R.Sudha	Assistant Professor	Vels University
5	Dr.U.Jaya Prakash Raju	Assistant Professor	Vels University
6	Mrs.A.A.Jayashree	Assistant Professor	Vels University
7	Dr.M.Kaliraja	Assistant Professor	Vels University
8	Mrs.G.Manjula Rajeswari	Assistant Professor	Vels University

**External Expert Members**

9	Dr.P.Vijayaraju	Professor	Anna University, Chennai
10	Dr.S.Narayanan	Professor	Meenakshi College of Engineering, Chennai
11	Dr.A.Uthayakumar	Associate Professor	Presidency College, Chennai
12	Dr.T.Murugavel	Professor	Sri Venkateswara College of Engineering, Sriperumbudur



VELS UNIVERSITY  
SCHOOL OF ENGINEERING  
DEPARTMENT OF SCIENCE AND HUMANITIES  
MINUTES OF THE BOARD OF STUDIES MEETING

Date: 29<sup>th</sup> JULY 2015      Time: 10.30 am      Venue: Conference Hall [Nautical Block]

The Board of Studies meeting was held in the conference hall of the nautical block at 10.00 a. m. on 29<sup>th</sup> of July 2015. The meeting was chaired by Dr. E. Gopinathan, Dean, School of Engineering. All members of BoS including External and internal members (Directors, HODs, Coordinator, Engineering other invited faculty) attended the meeting.

Dean informed the members that since the students joining the first year courses are with the different educational background and also their classes are starting late compared to the higher semesters; it is proposed to reduce one core course in the first semester. Also the credits for all courses offered in the first semester will carry 4 (four) credits so that the students will get enough time to understand what is being taught in the class. He also informed that the total number of credits required to get the B.Tech - BioTechnology and B.E-Bio Medical Engineering are 197.

The members then discussed all common courses offered to B.Tech - BioTechnology and B.E-Bio Medical Engineering branches.

**Suggestions from subject Experts:**

**MATHEMATICS**

Mathematics-I (first semester)

Mathematics-II (second semester)

- Suggested to changes the titles of Mathematics papers as follows:
- Panel members suggested to add some latest editions of Mathematics books as Text and References books for all Mathematics courses.
- The suggestions made by the experts are incorporated in the syllabi.

**PHYSICS**

Engineering physics(first semester)

Engineering physics laboratory(first semester)

Material science(second semester)

- The Board of Studies members of Physics suggested to include some latest books in Engineering Physics and Material Science.
- The suggestions made by the experts are incorporated in the syllabi.



## CHEMISTRY

Engineering chemistry(second semester)

Engineering chemistry laboratory(second semester)

- The Board of Studies members of Chemistry did not make any changes in the syllabi.
- The suggestions made by the experts are incorporated in the syllabi.

## ENGLISH

Technical English- I (first semester)

Communication skills (second semester)

Language laboratory (second semester)

- The Board of Studies members of English suggested to give more emphasis on writing skills.
- The suggestions made by the experts are incorporated in the syllabi.

## COMPUTER SCIENCE

Fundamentals of computing (first semester)

Engineering Practices Laboratory (first semester)

- The Board of Studies members of Computer Science and Engineering suggested to include some latest books in Fundamentals of computing.
- The suggestions made by the experts are incorporated in the syllabi.

## MECHANICAL

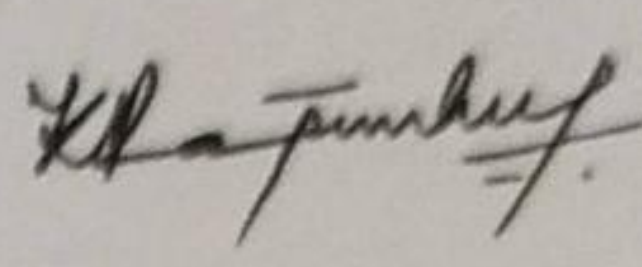
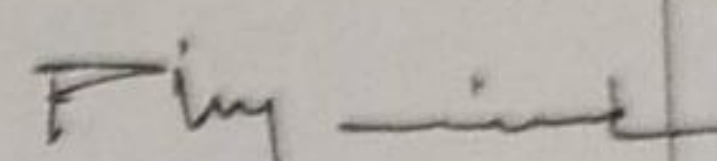
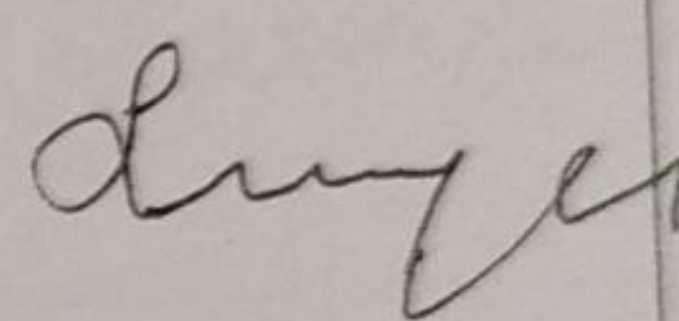
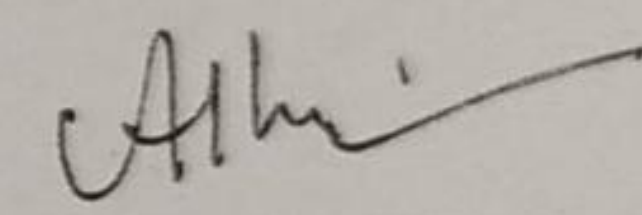
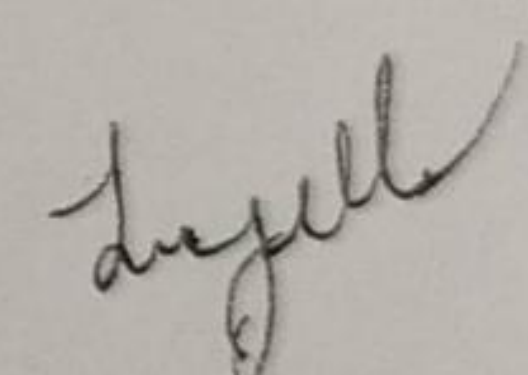
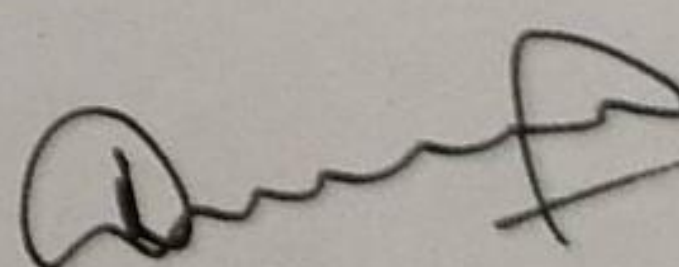
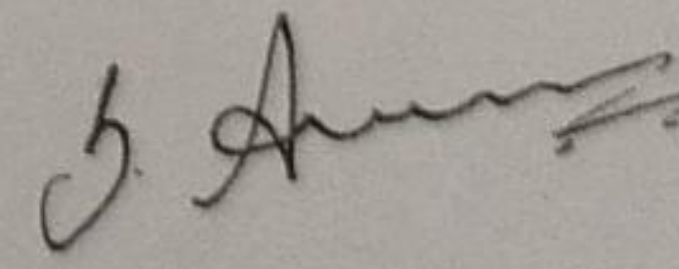
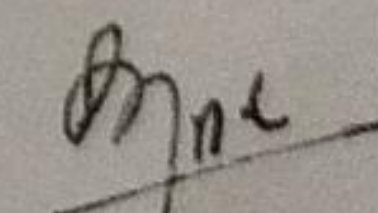
Engineering Graphics(first semester)

Engineering Practices Laboratory (first semester)


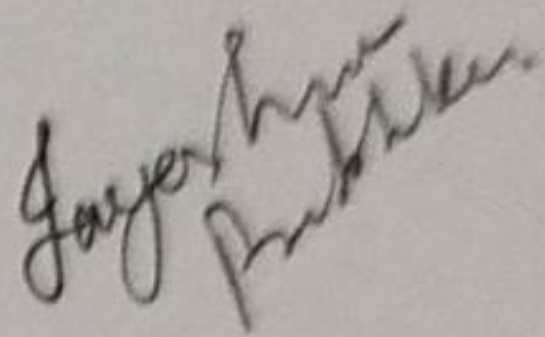
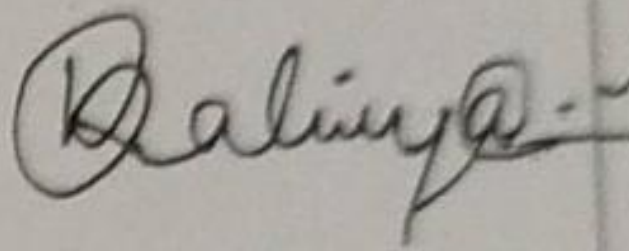
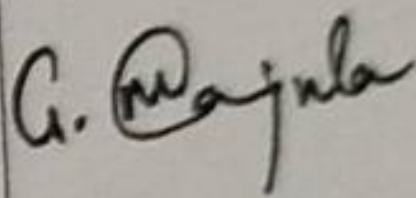
- The Board of Studies members of Mechanical Engineering suggested to include some latest books in Engineering Graphics.
- The suggestions made by the experts are incorporated in the syllabi.



# MEMBERS PRESENT

S.No	NAME OF THE MEMBER	DESIGNATION	SIGNATURE
1	<b>Mr.K.Rajendran</b> ,HOD/S&H Vels university, Pallavaram, Chennai-600 117. Cell No:9962506352 Email ID:sehodsh@velsuniv.org	Convenor	
2	<b>Dr.P.Vijayaraju</b> , Professor/Mathematics College of Engineering, Anna University Chennai-600 025. Cell No:9941430344 Email ID:pvijayaraju2009@gmail.com	External Expert	
3	<b>Dr.S.Narayanan</b> , Professor/Chemistry & Head/ S&H Meenakshi College of Engineering, West K.K.Nagar, Chennai-600 078 Cell No:9444416262 Email ID:drsn.org@gmail.com	External Expert	
4	<b>Dr.A.Uthayakumar</b> Associate Professor /Physics Presidency college,Chennai-600 005. Cell No:9445160544 Email ID:uthayk@yahoo.com	External Expert	
5	<b>Dr.T.Murugavel</b> Professor /English & Head/ S&H Sri Venkateswara College of Engineering,Sriperumbuthur Kancheepuram. Cell No: 9884822393 Email ID:hodsh@svce.ac.in	External Expert	
6	<b>Dr.M.Chandrasekaran</b> Director,Mechanical Engineering Vels university, Pallavaram, Chennai-600 117. Cell No:9962506351 Email ID: director.semc@velsuniv.org	Internal Member	
7	<b>Dr.S.Arun</b> Associate Professor/Computer science Vels university, Pallavaram, Chennai-600 117. Cell No:9962506209 Email ID:aruns@velsuniv.org	Internal Member	
8	<b>Mrs.R.Sudha</b> Assistant Professor/chemistry Vels university, Pallavaram, Chennai-600 117. Cell No:9445708573 Email ID:rajendran.sudha7@gmail.com	Internal Member	



9	<b>Dr.U.Jaya Prakash Raju</b> Assistant Professor/Physics Vels university, Pallavaram, Chennai-600 117. Cell No:8122957702 Email ID:lidarraju@gmail.com	Internal Member	
10	<b>Mrs.A.A.Jayashree</b> Assistant Professor/English Vels university, Pallavaram, Chennai-600 117. Cell No:9655703396 Email ID:jayashreeprabhakar666@gmail.com	Internal Member	
11	<b>Dr.M.Kaliraja</b> Assistant Professor/Mathematics Vels university, Pallavaram, Chennai-600 117. Cell No:9488054220 Email ID:mkr_maths@ymail.com	Internal Member	
12	<b>Mrs.G.Manjula Rajeswari</b> Assistant Professor/Mathematics Vels university, Pallavaram, Chennai-600 117. Cell No:9789333503 Email ID:gmsri_83@yahoo.co.in	Internal Member	



# B.E. BIOMEDICAL ENGINEERING CURRICULUM

Total Number of Credits: 195

Category	Code No.	Course	Hours/Week			Credits
			Lecture	Tutorial	Practical	
SEMESTER I						
AECC	15GBE201	Technical English	3	0	0	3
CORE	15GBE001	Mathematics – I	3	1	0	3
CORE	15GBE002	Engineering Physics	3	1	0	3
CORE	15GBE003	Fundamentals of Computing	3	1	0	3
CORE	15GBE004	Engineering Graphics	2	0	3	4
CORE	15GBE005	Engineering Practices Laboratory	0	0	3	2
CORE	15GBE006	Engineering Physics Lab	0	0	3	2
CORE	15GBE007	Computer Practice Laboratory	0	0	3	2
		TOTAL	14	3	12	22
SEMESTER II						
Category	Code No.	Course	Hours/Week			Credits
			Lecture	Tutorial	Practical	
AECC	15GBE202	Communication Skills	3	0	0	3
AECC	15GBE203	Language Lab	0	0	3	2
CORE	15EBM001	Human Physiology	3	1	0	3
CORE	15EBM002	Biochemistry	3	0	0	3
CORE	15GBE009	Engineering Chemistry	3	1	0	3
CORE	15GBE008	Mathematics II	3	1	0	4
CORE	15GBE010	Materials Science	3	0	0	3
CORE	15EBM003	Biochemistry and Human Physiology Lab	0	0	3	2
CORE	15GBE011	Engineering Chemistry Lab	0	0	3	2
		TOTAL	18	3	9	25