

# VELS



INSTITUTE OF SCIENCE, TECHNOLOGY  
& ADVANCED STUDIES (VISTAS)  
(DEEMED TO BE UNIVERSITY Estd. u/s 3 OF THE UGC ACT, 1956)  
**NAAC ACCREDITED**  
PALLAVARAM - CHENNAI - INDIA

## MINUTES OF THE MEETING OF THE BOARD OF STUDIES IN DEPARTMENT OF BIOMEDICAL ENGINEERING

DATE: 17.05.2018

The meeting of Board of Studies in **Biomedical Engineering (UG)** of the Department of Biomedical Engineering, School of Engineering, VISTAS held on **17.05.2018 at 02.00 p.m.** in Room No: OEB001, Ocean Engineering Block to discuss the revision of First year UG Course Curriculum & Syllabus of B.E Biomedical Engineering.

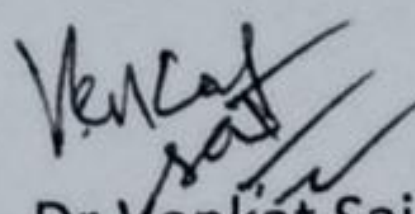
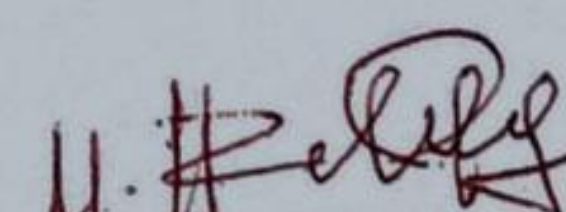
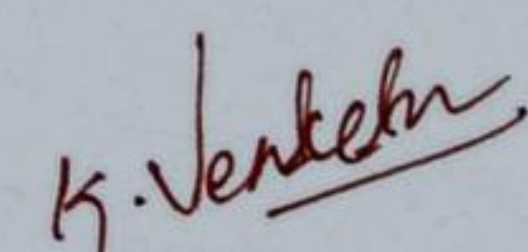
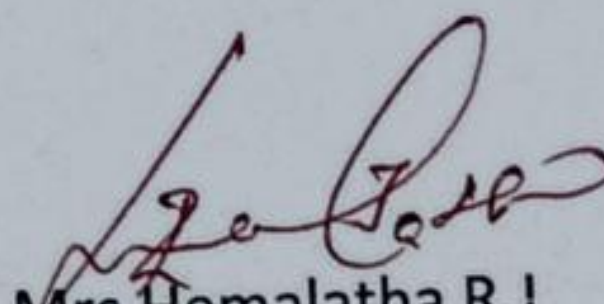
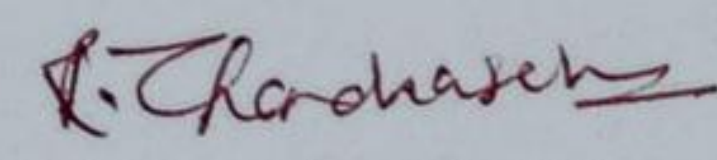
Members Present:

S.No	Member Name	Designation & Address	BOS Designation
1.	Dr.Venkat Sai	Prof & Head, SRMC, Chennai	External Expert
2.	Dr.M.Hariharan	Associate Prof, Dept of BME, SRM Univ, Chennai	Special Invitee
3.	Mr.B.Venkatraman	Managing Partner – Technical, Bio Vision Medical Systems, Chennai	External Expert
4.	Mrs.Hemalatha R.J	Head of the Department-Biomedical Engg, VISTAS, Pallavaram, Chennai-117	Convenor
5.	Mr.R.Chandrasekaran	Assistant Professor, Department-Biomedical Engg, VISTAS, Pallavaram, Chennai-117	Member

Considered the Course Curriculum and Syllabus presented before the Board of Studies and discussed in detail and resolved as follows:

Resolved to recommend that the Curriculum & Syllabus for the First Year B.E Biomedical Engineering, prescribed by AICTE/UGC for the Academic Year 2018-2019 be approved.

Signature of the Members:

 Dr. Venkat Sai Prof & Head,  SRMC  Chennai External Expert	 Dr. M. Hariharan Associate Prof,  Dept of BME, SRM Univ, Chennai Special Invitee	 Mr. B. Venkatraman Managing Partner – Technical,  Bio Vision Medical Systems, Chennai External Expert	 Mrs. Hemalatha R.J Head of the Department- Biomedical Engg, VISTAS, Pallavaram,  Chennai Convenor	 Mr. R. Chandrasekaran Assistant Professor Department- Biomedical Engg, VISTAS, Pallavaram,  Chennai Member
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**VELS INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS)**

(Deemed to be University u/s 3 of the UGC Act, 1956)

**PALLAVARAM - CHENNAI - INDIA**



**VELS**  
**UNIVERSITY**



**B.E.**  
**Biomedical Engineering**

**Curriculum and Syllabus**  
(Based on Choice Based Credit System)  
Effective from the Academic year  
**2018-2019**

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



**VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES (VISTAS)**

**B.E. BIOMEDICAL ENGINEERING DEGREE COURSE**

**COURSES OF STUDY AND SCHEME OF ASSESSMENT**

(MINIMUM CREDITS TO BE EARNED: 160)

Category	Course	Title	Hours/Week			Credits	Maximum Marks		
			Lecture	Tutorial	Practical		CA	SEE	Total
SEMESTER I									
Humanities	English		2	0	0	2	40	60	100
Basic Science	Physics		3	1	0	4	40	60	100
		(Oscillation, Waves and Optics)							
Basic Science	Mathematics – I		3	1	0	4	40	60	100
		(Calculus and Linear Algebra)							
Engineering Course	Basic Electrical Engineering		3	1	0	4	40	60	100
Engineering Course	Engineering Graphics & Design		1	0	4	3	40	60	100
Basic Science Lab	Physics Lab		0	0	3	1.5	40	60	100
Engineering Lab	Electrical Engineering Lab		0	0	2	1	40	60	100
Humanities Lab	English Lab		0	0	2	1	40	60	100
			12	3	11	20.5			

**SEMESTER II**

Basic Science	Chemistry	3	1	0	4	40	60	100
Basic Science	Mathematics – II (Probability and Statistics)	3	1	0	4	40	60	100
Engineering Course	Programming for Problem Solving	3	0	0	3	40	60	100
Basic Science Lab	Chemistry Lab	0	0	3	1.5	40	60	100
Engineering Lab	Programming for Problem solving Lab	0	0	4	2	40	60	100
Engineering Course	Workshop/Manufacturing Practices	1	0	4	3	40	60	100
		10	2	11	17.5			

CA - Continuous Assessment

SEE - Semester End Examination