

**Attainment of Course Outcomes of all courses with respect to set attainment levels**

<b>Semester III</b>		
<b>Name of the Subject</b>	<b>CO No.</b>	<b>Attainment</b>
Applies Mathematics III	SEBM301.1	1
	SEBM301.2	1
	SEBM301.3	0.9
	SEBM301.4	0.9
	SEBM301.5	0.9
Electronic Circuits and Devices -I	SEBM302.1	0.15
	SEBM302.2	0.15
	SEBM302.3	0.15
	SEBM302.4	0.15
	SEBM302.5	0.15
Electrical Network Analysis & Synthesis	SEBM303.1	0.05
	SEBM303.2	0.05
	SEBM303.3	0
	SEBM303.4	0
	SEBM303.5	0
Human Anatomy & Physiology	SEBM304.1	0.05
	SEBM304.2	0.05
	SEBM304.3	0.05
	SEBM304.4	0.05
	SEBM304.5	0.05
Biomaterials (BM)	SEBM305.1	0.05
	SEBM305.2	0.15
	SEBM305.3	0.1
	SEBM305.4	0.05
	SEBM305.5	0.1
Object Oriented Programming (OOPM)	SEBM306.1	0
	SEBM306.2	0
	SEBM306.3	0
	SEBM306.4	0
	SEBM306.5	0
<b>Semester IV</b>		
<b>Name of the Subject</b>	<b>CO No.</b>	<b>Attainment</b>
Applied Mathematics-IV	SEBM401.1	0.1
	SEBM401.2	0.1
	SEBM401.3	0.1
	SEBM401.4	0
	SEBM401.5	0
Electrical Circuit and Devices-II (ECADII)	SEBM402.1	1.1
	SEBM402.2	1.1
	SEBM402.3	1.1
	SEBM402.4	1.1
	SEBM402.5	1.1
Transducers and Sensors for Medical Applications (TSMA)	SEBM403.1	0.1
	SEBM403.2	0.1
	SEBM403.3	0.1
	SEBM403.4	0.1
	SEBM403.5	0.1
Logic Circuits (LC)	SEBM404.1	1.7
	SEBM404.2	1.75
	SEBM404.3	1.7
	SEBM404.4	1.75

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	SEBM404.5	1.75
Signals & Systems (SS)	SEBM405.1	0.2
	SEBM405.2	0.2
	SEBM405.3	0.1
	SEBM405.4	0.15
	SEBM406.1	2.5
Electronic Instruments and Control System (EICS)	SEBM406.2	2.5
	SEBM406.3	2.5
	SEBM406.4	2.5
	SEBM406.5	2.5
	<b>Semester V</b>	
<b>Name of the Subject</b>	<b>CO No.</b>	<b>Attainment</b>
Biomedical Instrumentation I (BMII)	BMC501.1	0.2
	BMC501.2	0.13
	BMC501.3	0.13
	BMC501.4	0.2
	BMC501.5	0.17
Microprocessors	BMC502.1	0.27
	BMC502.2	0.33
	BMC502.3	0.07
	BMC502.4	0.33
	BMC502.5	0.07
Analog and Digital Circuit Design (ADCD)	BMC503.1	0
	BMC503.2	0
	BMC503.3	0.1
	BMC503.4	0.1
	BMC503.5	0.05
Biomedical Digital Signal Processing (BDSP)	BMC504.1	2
	BMC504.2	2
	BMC504.3	1.8
	BMC504.4	1.8
	BMC504.5	1.8
Principles of Communication Engineering	BMC505.1	0.1
	BMC505.2	0.15
	BMC505.3	0.1
	BMC505.4	0
	BMC505.5	0
Business Communications and Ethics (BCE)	BML506.1	2
	BML506.2	2
	BML506.3	2
	BML506.4	1.8
<b>Semester VI</b>		
<b>Name of the Subject</b>	<b>CO No.</b>	<b>Attainment</b>
Biomedical Instrumentation - II	BMC601.1	0.15
	BMC601.2	0.05
	BMC601.3	0.05
	BMC601.4	0.05
	BMC601.5	0.1
Biostatistics	BMC602.1	0.13
	BMC602.2	0.07
	BMC602.3	0.2
	BMC602.4	0.2
	BMC602.5	0.07
Biological Modeling And Simulations (BMS)	BMC603.1	0.15
	BMC603.2	0.15
	BMC603.3	0.15
	BMC603.4	0.15

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	BMC603.5	0.15
	BMC604.1	0.13
Microcontrollers And Embedded Systems (MCES)	BMC604.2	0.07
	BMC604.3	0.2
	BMC604.4	0.2
	BMC605.1	0.07
Medical Imaging – I	BMC605.2	1.6
	BMC605.3	1.6
	BMC605.4	1.6
	BMC605.5	1.6
	BMC606.1	1.8
Digital Image Processing (DIP)	BMC606.2	1.8
	BMC606.3	1.8
	BMC606.4	1.8
	BMC606.5	1.8
	<b>Semester VII</b>	
<b>Name of the Subject</b>	<b>CO No.</b>	<b>Attainment</b>
Biomedical Instrumentation III (BMIII)	BMC701.1	0.05
	BMC701.2	0.05
	BMC701.3	0
	BMC701.4	0
	BMC701.5	0
Medical Imaging – II (MIII)	BMC702.1	0.85
	BMC702.2	0.85
	BMC702.3	0.8
	BMC702.4	0.85
	BMC702.5	0.85
Biomechanics Prosthesis and Orthosis	BMC703.1	0.1
	BMC703.2	0.1
	BMC703.3	0.1
	BMC703.4	0.1
	BMC703.5	0.1
Very Large Scale Integrated Circuits	BMC704.1	1.2
	BMC704.2	1.2
	BMC704.3	1.2
	BMC704.4	1.2
	BMC704.5	1.2
Networking And Information System In Medicine (NISM)	BMC705.1	0.4
	BMC705.2	0.4
	BMC705.3	0.5
	BMC705.4	0.5
	BMC705.5	0.5
<b>Semester VIII</b>		
<b>Name of the Subject</b>	<b>CO No.</b>	<b>Attainment</b>
Nuclear Medicine (NM)	BMC801.1	0.9
	BMC801.2	0.9
	BMC801.3	0.85
	BMC801.4	0.9
	BMC801.5	0.8
Biomedical Microsystems (BMM)	BMC802.1	0.1
	BMC802.2	0.1
	BMC802.3	0.05
	BMC802.4	0.15
	BMC802.5	0.2
Hospital Management (HM)	BMC803.1	0.05
	BMC803.2	0.05
	BMC803.3	0.05

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	BMC803.4	0.05
	BMC803.5	0.05
Lasers and Fiber Optics (Elective)	BME8011. 1	0.1
	BME8011. 2	0.1
	BME8011. 3	0.1
	BME8011. 4	0.1
	BME8011. 5	0.1
Health care Informatics (Elective)	BME8013. 1	0.3
	BME8013. 2	0.3
	BME8013. 3	0.3
	BME8013. 4	0.3

### Attainment of Program Outcomes and Program Specific Outcomes

The Program Outcomes Assessment process provides a means for continuously improving the learning experience for students. The program employs two types of assessment methods:

Tools	Details	Process	Frequency
Direct	CO Attainment	Calculation of PO Attainment from CO-PO Mapping	Twice in a Year
Indirect Tools (20%)	Programme Exit Survey (Wt-5%)	A form has been made which consist of questionnaire which is to be marked on the scale of 0-4 (0-Poor, 4-Excellent)	Once in a year
	Placements (Wt-5%)		
	Higher Studies (Wt-5%)		
	Parents F/B (Wt-5%)		



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**Evaluation of each PO & PSO**
**PO Attainment:**

Subjects		PO'S											
Name of the Subject	CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Applies Mathematics III	1	1	1	1	-	-	-	-	-	-	-	-	-
	1	1	1	1	1	-	-	-	-	-	-	-	-
	0.9	0.9	0.9	0.9	-	-	-	-	-	-	-	-	-
	0.9	0.9	0.9	0.9	0.9	-	-	-	-	-	-	-	-
	0.9	0.9	0.9	0.9	0.9	-	-	-	-	-	-	-	-
Electronic Circuits and Devices I	0.15	0.15	-	0.15	-	0.15	-	-	-	-	-	-	0.15
	0.15	0.15	0.15	-	-	0.15	-	0.15	-	-	-	-	0.15
	0.15	0.15	-	-	-	0.15	-	0.15	-	-	-	-	-
	0.15	0.15	-	-	-	0.15	-	-	-	-	-	-	0.15
	0.05	0.05	0.05	0.05	-	0.05	-	-	-	-	-	-	-
Electrical Network Analysis & Synthesis	0.05	0.05	0.05	0.05	-	-	-	-	-	-	-	-	-
	0	0	0	0	-	-	-	-	-	-	-	-	-
	0	0	0	0	-	-	0	-	-	-	-	-	-
	0	0	0	0	-	-	0	-	-	-	-	-	-
	0	0	0	0	-	-	0	-	-	-	-	-	-
Human Anatomy & Physiology	0.05	0.05	0.05	0.05	-	-	-	-	-	-	-	-	-
	0.05	0.05	0.05	0.05	-	-	-	-	-	-	-	-	-
	0.05	-	0.05	0.05	0.05	-	-	-	-	-	-	-	-
	0.05	-	0.05	0.05	0.05	-	-	-	-	-	-	-	0.05
	0.05	0.05	0.05	0.05	-	-	-	-	-	-	-	-	0.05
Biomaterials (BM)	0.05	0.05	0.05	-	-	-	-	0.05	-	-	-	-	-
	0.15	0.15	0.15	-	-	-	-	0.15	-	-	-	-	-
	0.1	0.1	0.1	-	0.1	-	-	0.1	-	-	-	-	-
	0.05	0.05	0.05	-	0.05	-	-	0.05	0.05	-	-	-	-
	0.1	0.1	0.1	-	0.1	-	-	0.1	-	-	-	-	-
Object Oriented Programming (OOPM)	0	0	0	0	-	-	-	-	-	-	-	-	-
	0	0	-	0	0	-	-	-	-	-	-	-	-
	0	0	-	0	0	-	-	-	-	-	-	-	-
	0	0	0	-	0	-	-	-	-	-	-	-	-
	0	0	-	0	0	-	-	-	-	-	-	-	-
Applied Mathematics IV	0.1	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-
	0.1	0.1	0.1	0.1	0.1	-	-	-	-	-	-	-	-
	0.1	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-
	0	0	0	0	0	-	-	-	-	-	-	-	-
	0	0	0	0	0	-	-	-	-	-	-	-	-
Electrical Circuit and Devices II (ECADII)	1.1	1.1	-	1.1	-	1.1	-	-	-	-	-	-	1.1
	1.1	1.1	1.1	-	1.1	1.1	-	-	-	-	-	-	-
	1.1	1.1	1.1	-	-	1.1	-	-	-	-	-	-	-
	1.1	1.1	-	1.1	-	1.1	-	-	-	-	-	-	1.1
	1.1	1.1	-	1.1	-	1.1	-	-	-	-	-	-	1.1
Transducers and Sensors for Medical Applications (TSMA)	0.1	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-
	0.1	0.1	0.1	-	-	-	0.1	-	-	-	-	0.1	-
	0.1	0.1	0.1	-	0.1	-	-	-	-	-	-	-	-
	0.1	-	0.1	0.1	0.1	-	-	-	-	-	-	-	-
	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-	0.1
Logic Circuits (LC)	1.7	1.7	-	1.7	1.7	-	-	-	-	-	-	-	1.7
	1.75	1.75	1.75	-	1.75	-	-	-	-	1.75	-	-	-
	1.7	1.7	1.7	-	1.7	-	-	-	-	-	-	-	-
	1.75	1.75	1.75	-	1.75	-	-	-	-	-	-	-	-
	1.75	1.75	-	-	1.75	-	-	-	-	-	-	-	1.75

Signals & Systems (SS)	0.2	0.2	0.2	-	-	-	0.2	-	-	-	-	-	-
	0.2	0.2	0.2	-	0.2	-	-	-	-	-	-	-	-
	0.1	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-
	0.15	0.15	0.15	0.15	-	-	-	-	-	-	-	-	-
Electronic Instruments and Control System (EICS)	2.5	2.5	2.5	2.5	-	-	-	-	-	-	-	-	-
	2.5	2.5	-	2.5	2.5	-	-	-	-	-	-	-	-
	2.5	2.5	2.5	2.5	2.5	-	-	-	-	-	-	-	-
	2.5	2.5	-	2.5	2.5	2.5	-	-	-	-	-	-	2.5
Biomedical Instrumentation I (BMII)	0.2	0.2	0.2	0.2	-	-	-	-	-	-	-	-	-
	0.13	0.13	0.13	0.13	-	-	-	-	-	-	-	-	-
	0.13	0.13	0.13	0.13	-	-	-	-	-	-	-	-	-
	0.2	-	-	0.2	0.2	0.2	-	-	-	-	-	-	-
	0.17	-	0.17	0.17	0.17	-	-	-	-	-	-	-	-
Microprocessors	0.27	0.27	-	0.27	-	-	-	0.27	-	-	-	-	0.27
	0.33	0.33	-	-	0.33	0.33	-	-	-	-	-	-	0.33
	0.07	0.07	0.07	0.07	0.07	-	0.07	-	-	-	-	-	0.07
	0.33	0.33	-	0.33	0.33	0.33	-	-	-	-	-	0.33	0.33
	0.07	0.07	-	0.07	-	-	0.07	-	-	-	-	-	0.07
Analog and Digital Circuit Design (ADCD)	0	0	0	0	0	0	-	0	-	0	-	0	0
	0	0	0	0	0	0	-	0	-	0	-	0	0
	0.1	0.1	0.1	0.1	0.1	0.1	-	0.1	-	0.1	-	0.1	0.1
	0.1	0.1	0.1	0.1	0.1	0.1	-	0.1	-	0.1	-	0.1	0.1
	0.05	0.05	0.05	0.05	0.05	0.05	-	0.05	-	0.05	-	0.05	0.05
Biomedical Digital Signal Processing (BDSP)	2	2	2	-	2	2	-	-	-	-	-	-	-
	2	2	-	-	2	2	-	-	-	-	-	-	-
	1.8	-	1.8	1.8	1.8	-	-	-	-	-	-	-	-
	1.8	-	-	1.8	1.8	-	-	-	-	1.8	-	-	-
	1.8	-	-	1.8	1.8	-	-	-	-	1.8	-	-	-
Principles of Communication Engineering	0.1	0.1	0.1	-	-	0.1	-	-	-	-	-	-	-
	0.15	-	0.15	0.15	-	0.15	-	-	-	-	-	-	-
	0.1	-	0.1	0.1	0.1	0.1	-	-	-	-	-	-	-
	0	-	-	0	0	0	-	-	-	-	-	-	-
	0	-	-	0	0	0	-	-	-	-	-	-	0
Business Communications and Ethics (BCE)	2	-	-	-	-	-	-	-	2	2	2	-	-
	2	-	-	-	-	-	-	-	-	2	2	2	-
	2	-	-	-	-	-	-	-	2	2	2	-	-
	1.8	-	-	-	-	-	-	-	1.8	-	1.8	-	1.8
Biomedical Instrumentation - II	0.15	0.15	0.15	0.15	-	-	-	-	-	-	-	-	-
	0.05	0.05	0.05	0.05	-	-	-	-	-	-	-	-	-
	0.05	0.05	0.05	0.05	0.05	-	-	-	-	-	-	-	-
	0.05	0.05	0.05	0.05	-	-	-	-	-	-	-	-	-
	0.1	0.1	0.1	0.1	-	-	-	-	-	-	-	-	-
Biostatistics	0.13	0.13	0.13	0.13	-	-	0.13	-	-	-	-	-	-
	0.07	0.07	0.07	-	-	-	0.07	-	-	-	-	-	-
	0.2	0.2	0.2	-	-	-	0.2	-	-	-	-	-	-
	0.2	0.2	0.2	-	-	-	0.2	-	-	-	-	-	-
	0.07	0.07	0.07	-	-	-	0.07	-	-	-	-	-	-
Biological Modeling And Simulations (BMS)	0.15	0.15	0.15	-	-	0.15	-	-	-	-	-	-	-
	0.15	0.15	0.15	-	-	0.15	-	-	-	-	-	-	-
	0.15	0.15	0.15	-	-	0.15	-	-	-	-	-	-	-
	0.15	0.15	0.15	-	-	0.15	-	-	-	-	-	-	0.15
	0.15	0.15	0.15	-	-	0.15	-	-	-	-	-	-	0.15
Microcontrollers And Embedded Systems (MCES)	0.13	0.13	0.13	-	-	-	-	-	-	-	-	-	0.13
	0.07	0.07	0.07	-	0.07	-	-	-	-	-	-	-	0.07
	0.2	-	-	0.2	-	-	0.2	-	-	-	-	-	0.2
	0.2	-	-	0.2	0.2	-	-	-	-	-	-	-	0.2
Medical Imaging	0.07	0.07	0.07	-	0.07	-	-	-	-	-	-	-	-

- I	1.6	1.6	1.6	-	1.6	-	-	-	-	-	-	-	1.6
	1.6	-	-	1.6	1.6	-	-	-	-	-	-	1.6	-
	1.6	1.6	1.6	-	1.6	-	-	-	-	-	-	-	-
	1.6	-	1.6	-	1.6	-	-	-	-	1.6	-	-	-
Digital Image Processing (DIP)	1.8	1.8	1.8	-	1.8	1.8	-	-	-	-	-	-	-
	1.8	1.8	1.8	-	1.8	1.8	-	-	-	-	-	-	-
	1.8	-	1.8	1.8	1.8	-	-	-	1.8	-	-	-	-
	1.8	-	-	1.8	1.8	-	-	-	1.8	1.8	-	-	1.8
	1.8	-	-	1.8	1.8	-	-	-	-	1.8	-	-	1.8
Biomedical Instrumentation III (BMI-III)	0.05	0.05	0.05	0.05	-	-	-	-	-	-	-	-	-
	0.05	-	0.05	0.05	0.05	-	-	-	-	-	-	-	-
	0	-	0	0	0	-	-	-	-	-	-	-	0
	0	-	-	0	0	0	-	-	-	-	-	-	0
	0	-	0	0	0	-	-	0	-	-	-	-	0
Medical Imaging - II (MI-II)	0.85	0.85	0.85	-	0.85	-	-	-	-	-	-	-	-
	0.85	0.85	0.85	-	0.85	-	-	0.85	-	-	-	-	-
	0.8	-	-	0.8	0.8	0.8	-	-	-	-	-	-	-
	0.85	0.85	0.85	-	0.85	-	-	-	-	-	-	-	-
	0.85	-	0.85	-	0.85	-	-	-	-	-	-	-	0.85
Biomechanics Prosthesis and Orthosis	0.1	0.1	0.1	0.1	-	0.1	0.1	0.1	0.1	-	-	-	0.1
	0.1	0.1	0.1	0.1	-	0.1	0.1	0.1	0.1	-	-	-	0.1
	0.1	0.1	0.1	0.1	-	0.1	0.1	0.1	0.1	-	-	-	0.1
	0.1	0.1	0.1	0.1	-	0.1	0.1	0.1	0.1	-	-	-	0.1
	0.1	0.1	0.1	0.1	-	0.1	0.1	0.1	0.1	-	-	-	0.1
Very Large Scale Integrated Circuits	1.2	1.2	1.2	-	-	-	-	-	-	1.2	-	-	-
	1.2	1.2	1.2	-	1.2	-	-	-	-	1.2	-	-	-
	1.2	1.2	1.2	1.2	-	-	-	-	-	1.2	-	-	-
	1.2	1.2	-	-	1.2	-	-	-	-	1.2	-	-	-
	1.2	1.2	-	-	1.2	-	-	-	-	1.2	-	-	-
Networking And Information System In Medicine (NISM)	0.4	0.4	-	0.4	-	0.4	-	-	-	-	-	-	-
	0.4	0.4	-	-	-	0.4	-	0.4	-	-	-	-	-
	0.5	0.5	-	-	-	0.5	-	-	-	-	0.5	-	-
	0.5	0.5	0.5	-	-	0.5	-	-	-	-	-	-	0.5
	0.5	-	0.5	-	-	0.5	-	-	-	-	-	-	0.5
Nuclear Medicine (NM)	0.9	0.9	-	-	0.9	-	-	-	-	-	-	-	0.9
	0.9	-	-	-	0.9	-	-	0.9	-	-	-	-	0.9
	0.85	0.85	0.85	-	0.85	-	-	-	-	-	-	-	-
	0.9	0.9	0.9	-	0.9	-	-	-	-	-	-	-	-
	0.8	0.8	0.8	-	0.8	-	-	-	-	-	-	-	-
Biomedical Microsystems (BMM)	0.1	0.1	-	-	0.1	-	0.1	-	-	-	-	-	0.1
	0.1	-	0.1	0.1	-	-	0.1	-	-	-	-	0.1	0.1
	0.05	-	0.05	0.05	-	-	0.05	-	-	-	-	0.05	-
	0.15	-	-	-	-	-	0.15	-	-	-	-	0.15	0.15
	0.2	-	-	-	0.2	-	0.2	0.2	-	-	-	0.2	-
Hospital Management (HM)	0.05	0.05	-	-	0.05	-	-	-	-	-	-	-	0.05
	0.05	-	0.05	0.05	-	-	-	-	-	-	-	-	0.05
	0.05	-	0.05	0.05	-	-	-	-	-	-	-	-	0.05
	0.05	-	-	-	0.05	-	-	0.05	-	-	-	-	0.05
	0.05	-	-	0.05	0.05	-	-	-	-	-	-	-	0.05
Lasers and Fiber Optics (Elective)	0.1	0.1	0.1	0.1	0.1	0.1	-	-	-	-	-	-	-
	0.1	0.1	0.1	0.1	-	-	-	-	-	-	-	-	0.1
	0.1	-	0.1	0.1	-	0.1	-	-	-	-	-	-	0.1
	0.1	-	0.1	0.1	-	0.1	-	-	-	-	-	-	0.1
	0.1	0.1	-	0.1	-	0.1	-	-	-	-	-	-	0.1
Health care Informatics (Elective)	0.3	0.3	-	0.3	-	-	-	-	-	-	-	-	0.3
	0.3	-	0.3	0.3	0.3	-	-	-	-	-	-	-	-
	0.3	0.3	-	-	-	0.3	-	-	-	-	-	-	0.3

Systems (SS)	SEBM405.2	0.2	0.2	0.2	0	0
	SEBM405.3	0.1	0.1	0	0	0
	SEBM405.4	0.15	0.15	0	0	0
Electronic Instruments and Control System (EICS)	SEBM406.1	2.5	2.5	0	0	0
	SEBM406.2	2.5	2.5	2.5	0	0
	SEBM406.3	2.5	2.5	2.5	0	0
	SEBM406.4	2.5	2.5	2.5	2.5	0
	SEBM406.5	2.5	2.5	2.5	0	2.5
Biomedical Instrumentation I (BMII)	BMC501.1	0.2	0.2	0	0	0
	BMC501.2	0.13	0.13	0	0	0
	BMC501.3	0.13	0.13	0	0	0
	BMC501.4	0.2	0.2	0.2	0.2	0
	BMC501.5	0.17	0.17	0.17	0	
Microprocessors	BMC502.1	0.27	0.27	0	0.27	0.27
	BMC502.2	0.33	0.33	0.33	0.33	0.33
	BMC502.3	0.07	0.07	0.07	0.1	0.07
	BMC502.4	0.33	0.33	0.33	0.33	0.33
	BMC502.5	0.07	0.07	0	0.07	0.07
Analog and Digital Circuit Design (ADCD)	BMC503.1	0	0	0	0	0
	BMC503.2	0	0	0	0	0
	BMC503.3	0.1	0.1	0.1	0.1	0.1
	BMC503.4	0.1	0.1	0.1	0.1	0.1
	BMC503.5	0.05	0.05	0.05	0.05	0.05
Biomedical Digital Signal Processing (BDSP)	BMC504.1	2	2	2	0	0
	BMC504.2	2	2	2	2	0
	BMC504.3	1.8	1.8	1.8	0	0
	BMC504.4	1.8	1.8	1.8	0	1.8
	BMC504.5	1.8	1.8	1.8	0	1.8
Principles of Communication Engineering	BMC505.1	0.1	0.1	0	0.1	0
	BMC505.2	0.15	0.15	0.00	0.15	0
	BMC505.3	0.1	0.1	0.1	0.1	0
	BMC505.4	0	0	0	0	0
	BMC505.5	0	0	0	0	0
Business Communications and Ethics (BCE)	BML506.1	2	0	2	2	2
	BML506.2	2	0	2	0	2
	BML506.3	2	0	2	2	2
	BML506.4	1.8	0	1.8	1.8	1.8
Biomedical Instrumentation - II	BMC601.1	0.15	0.15	0	0	0
	BMC601.2	0.05	0.05	0	0	0
	BMC601.3	0.05	0.05	0.05	0	0
	BMC601.4	0.05	0.05	0	0	0
	BMC601.5	0.1	0.1	0	0	0
Biostatistics	BMC602.1	0.13	0.13	0	0.13	0
	BMC602.2	0.07	0.07	0.00	0.07	0
	BMC602.3	0.2	0.2	0	0.2	0
	BMC602.4	0.2	0.2	0	0.2	0
	BMC602.5	0.07	0.07	0.00	0.07	0
Biological Modeling And Simulations (BMS)	BMC603.1	0.15	0.15	0.00	0.15	0
	BMC603.2	0.15	0.15	0.00	0.15	0
	BMC603.3	0.15	0.15	0.00	0.15	0
	BMC603.4	0.15	0.15	0.00	0.15	0.15
	BMC603.5	0.15	0.15	0.00	0.15	0.15
Microcontrollers And Embedded Systems (MCES)	BMC604.1	0.13	0.13	0	0	0.13
	BMC604.2	0.07	0.07	0.07	0	0.07
	BMC604.3	0.2	0.2	0	0.2	0.2
	BMC604.4	0.2	0.2	0.2	0	0.2
Medical Imaging - I	BMC605.1	0.07	0.07	0.07	0	
	BMC605.2	1.6	1.6	1.6	0	1.6



	BMC605.3	1.6	1.6	1.6	0	1.6
	BMC605.4	1.6	1.6	1.6	0	0
	BMC605.5	1.6	0	0	0	1.6
Digital Image Processing (DIP)	BMC606.1	1.8	1.8	1.8	1.8	0
	BMC606.2	1.8	1.8	1.8	1.8	0
	BMC606.3	1.8	0	1.8	1.8	0
	BMC606.4	1.8	0	1.8	1.8	1.8
	BMC606.5	1.8	0	1.8	0	1.8
Biomedical Instrumentation III (BMIII)	BMC701.1	0.05	0.05	0	0	0
	BMC701.2	0.05	0	0.05	0	0
	BMC701.3	0	0	0	0	0
	BMC701.4	0	0	0	0	0
	BMC701.5	0	0	0	0	0
Medical Imaging - II (MIII)	BMC702.1	0.85	0.85	0.85	0	0
	BMC702.2	0.85	0.85	0.85	0.9	0
	BMC702.3	0.8	0.8	0.8	0.8	0
	BMC702.4	0.85	0.85	0.85	0	0
	BMC702.5	0.85	0.85	0.85	0	0.85
Biomechanics Prosthesis and Orthosis	BMC703.1	0.1	0.1	0	0.1	0.1
	BMC703.2	0.1	0.1	0	0.1	0.1
	BMC703.3	0.1	0.1	0	0.1	0.1
	BMC703.4	0.1	0.1	0	0.1	0.1
	BMC703.5	0.1	0.1	0	0.1	0.1
Very Large Scale Integrated Circuits	BMC704.1	1.2	1.2	0	0	1.2
	BMC704.2	1.2	1.2	1.2	0	1.2
	BMC704.3	1.2	1.2	0	0	1.2
	BMC704.4	1.2	1.2	1.2	0	1.2
	BMC704.5	1.2	1.2	1.2	0	1.2
Networking And Information System In Medicine (NISM)	BMC705.1	0.4	0.4	0	0.4	0
	BMC705.2	0.4	0.4	0	0.4	0
	BMC705.3	0.5	0.5	0.5	0.5	
	BMC705.4	0.5	0.5	0	0.5	0.5
	BMC705.5	0.5	0.5	0	0.5	0.5
Nuclear Medicine (NM)	BMC801.1	0.9	0.9	0.9	0	0.9
	BMC801.2	0.9	0	0.9	0.9	0.9
	BMC801.3	0.85	0.85	0.85	0	0
	BMC801.4	0.9	0.9	0.9	0	0
	BMC801.5	0.8	0.8	0.8	0	0
Biomedical Microsystems (BMM)	BMC802.1	0.1	0.1	0.1	0.1	0.1
	BMC802.2	0.1	0.1	0	0.1	0.1
	BMC802.3	0.05	0.05	0	0.05	0.05
	BMC802.4	0.15	0	0	0.15	0.15
	BMC802.5	0.2	0.2	0.2	0.2	0.2
Hospital Management (HM)	BMC803.1	0.05	0.05	0.05	0	0.05
	BMC803.2	0.05	0.05	0	0	0.05
	BMC803.3	0.05	0.05	0	0	0.05
	BMC803.4	0.05	0	0.05	0.05	0.05
	BMC803.5	0.05	0.05	0.05	0	0.05
Lasers and Fiber Optics (Elective)	BME8011.1	0.1	0.1	0.1	0.1	0
	BME8011.2	0.1	0.1	0	0	0.1
	BME8011.3	0.1	0.1	0	0.1	0.1
	BME8011.4	0.1	0.1	0	0.1	0.1
	BME8011.5	0.1	0.1	0	0.1	0.1
Health care Informatics	BME8013.1	0.3	0.3	0	0	0.3

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	BMC605.3	1.6	1.6	1.6	0	1.6
	BMC605.4	1.6	1.6	1.6	0	0
	BMC605.5	1.6	0	0	0	1.6
Digital Image Processing (DIP)	BMC606.1	1.8	1.8	1.8	1.8	0
	BMC606.2	1.8	1.8	1.8	1.8	0
	BMC606.3	1.8	0	1.8	1.8	0
	BMC606.4	1.8	0	1.8	1.8	1.8
	BMC606.5	1.8	0	1.8	0	1.8
Biomedical Instrumentation III (BMIII)	BMC701.1	0.05	0.05	0	0	0
	BMC701.2	0.05	0	0.05	0	0
	BMC701.3	0	0	0	0	0
	BMC701.4	0	0	0	0	0
	BMC701.5	0	0	0	0	0
Medical Imaging - II (MIII)	BMC702.1	0.85	0.85	0.85	0	0
	BMC702.2	0.85	0.85	0.85	0.9	0
	BMC702.3	0.8	0.8	0.8	0.8	0
	BMC702.4	0.85	0.85	0.85	0	0
	BMC702.5	0.85	0.85	0.85	0	0.85
Biomechanics Prosthesis and Orthosis	BMC703.1	0.1	0.1	0	0.1	0.1
	BMC703.2	0.1	0.1	0	0.1	0.1
	BMC703.3	0.1	0.1	0	0.1	0.1
	BMC703.4	0.1	0.1	0	0.1	0.1
	BMC703.5	0.1	0.1	0	0.1	0.1
Very Large Scale Integrated Circuits	BMC704.1	1.2	1.2	0	0	1.2
	BMC704.2	1.2	1.2	1.2	0	1.2
	BMC704.3	1.2	1.2	0	0	1.2
	BMC704.4	1.2	1.2	1.2	0	1.2
	BMC704.5	1.2	1.2	1.2	0	1.2
Networking And Information System In Medicine (NISM)	BMC705.1	0.4	0.4	0	0.4	0
	BMC705.2	0.4	0.4	0	0.4	0
	BMC705.3	0.5	0.5	0.5	0.5	0
	BMC705.4	0.5	0.5	0	0.5	0.5
	BMC705.5	0.5	0.5	0	0.5	0.5
Nuclear Medicine (NM)	BMC801.1	0.9	0.9	0.9	0	0.9
	BMC801.2	0.9	0	0.9	0.9	0.9
	BMC801.3	0.85	0.85	0.85	0	0
	BMC801.4	0.9	0.9	0.9	0	0
	BMC801.5	0.8	0.8	0.8	0	0
Biomedical Microsystems (BMM)	BMC802.1	0.1	0.1	0.1	0.1	0.1
	BMC802.2	0.1	0.1	0	0.1	0.1
	BMC802.3	0.05	0.05	0	0.05	0.05
	BMC802.4	0.15	0	0	0.15	0.15
	BMC802.5	0.2	0.2	0.2	0.2	0.2
Hospital Management (HM)	BMC803.1	0.05	0.05	0.05	0	0.05
	BMC803.2	0.05	0.05	0	0	0.05
	BMC803.3	0.05	0.05	0	0	0.05
	BMC803.4	0.05	0	0.05	0.05	0.05
	BMC803.5	0.05	0.05	0.05	0	0.05
Lasers and Fiber Optics (Elective)	BME8011.1	0.1	0.1	0.1	0.1	0
	BME8011.2	0.1	0.1	0	0	0.1
	BME8011.3	0.1	0.1	0	0.1	0.1
	BME8011.4	0.1	0.1	0	0.1	0.1
	BME8011.5	0.1	0.1	0	0.1	0.1
Health care Informatics	BME8013.1	0.3	0.3	0	0	0.3

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(Elective)	BME8013. 2	0.3	0.3	0.3	0	0
	BME8013. 3	0.3	0.3	0	0.3	0.3
	BME8013. 4	0.3	0.3	0	0.3	0.3
<b>Average_PSO Attainment</b>			<b>0.4996</b>	<b>0.5208</b>	<b>0.2621</b>	<b>0.3081</b>



**Principal**

Vidyalankar Institute of Technology  
Antop Hill, Wadala (E), Mumbai-37.

**PSO Attainment:**


Subjects		PSO				
Name of the Subject	CO No.	CO Attainment	PSO1	PSO2	PSO3	PSO4
			PO1, PO2, PO3	PO4, PO10	PO5, PO6, PO7, PO8	PO9, PO11, PO12
Applies Mathematics III	SEBM301.1	1	1	0	0	0
	SEBM301.2	1	1	1	0	0
	SEBM301.3	0.9	0.9	0	0	0
	SEBM301.4	0.9	0.9	0.9	0	0
	SEBM301.5	0.9	0.9	0.9	0	0
Electronic Circuits and Devices I	SEBM302.1	0.15	0.15	0.00	0.15	0.15
	SEBM302.2	0.15	0.15	0.00	0.15	0.15
	SEBM302.3	0.15	0.15	0.00	0.15	0.00
	SEBM302.4	0.15	0.15	0.00	0.15	0.15
	SEBM302.5	0.15	0.15	0.00	0.15	0.15
Electrical Network Analysis & Synthesis	SEBM303.1	0.05	0.05	0.00	0.05	0.00
	SEBM303.2	0.05	0.05	0.00	0.00	0.00
	SEBM303.3	0	0	0	0	0
	SEBM303.4	0	0	0	0	0
	SEBM303.5	0	0	0	0	0
Human Anatomy & Physiology	SEBM304.1	0.05	0.05	0.00	0.00	0.00
	SEBM304.2	0.05	0.05	0.00	0.00	0.00
	SEBM304.3	0.05	0.05	0.05	0.00	0.00
	SEBM304.4	0.05	0.00	0.05	0.00	0.05
	SEBM304.5	0.05	0.05	0.00	0.00	0.05
Biomaterials (BM)	SEBM305.1	0.05	0.05	0.00	0.05	0.00
	SEBM305.2	0.15	0.15	0.00	0.15	0.00
	SEBM305.3	0.1	0.10	0.10	0.10	0.00
	SEBM305.4	0.05	0.05	0.05	0.05	0.00
	SEBM305.5	0.1	0.10	0.10	0.10	0.00
Object Oriented Programming (OOPM)	SEBM306.1	0	0	0	0	0
	SEBM306.2	0	0	0	0	0
	SEBM306.3	0	0	0	0	0
	SEBM306.4	0	0	0	0	0
	SEBM306.5	0	0	0	0	0
Applied Mathematics IV	SEBM401.1	0.1	0.1	0	0	0
	SEBM401.2	0.1	0.1	0.1	0	0
	SEBM401.3	0.1	0.1	0	0	0
	SEBM401.4	0	0	0	0	0
	SEBM401.5	0	0	0	0	0
Electrical Circuit and Devices I (ECADII)	SEBM402.1	1.1	1.1	0	1.1	1.1
	SEBM402.2	1.1	1.1	1.1	1.1	0
	SEBM402.3	1.1	1.1	0	1.1	0
	SEBM402.4	1.1	1.1	0	1.1	1.1
	SEBM402.5	1.1	1.1	0	1.1	1.1
Transducers and Sensors for Medical Applications (TSMA)	SEBM403.1	0.1	0.1	0	0	0
	SEBM403.2	0.1	0.1	0	0.1	0.1
	SEBM403.3	0.1	0.1	0.1	0	0
	SEBM403.4	0.1	0.1	0.1	0	0
	SEBM403.5	0.1	0.1	0	0	0.1
Logic Circuits (LC)	SEBM404.1	1.7	1.7	1.7	0	1.7
	SEBM404.2	1.75	1.75	1.75	0.00	1.75
	SEBM404.3	1.7	1.7	1.7	0	0
	SEBM404.4	1.75	1.75	1.75	0	0
	SEBM404.5	1.75	1.75	1.75	0	1.75
Signals &	SEBM405.1	0.2	0.2	0	0.2	0

*Principal*

	0.3	0.3	-	-	-	0.3	-	-	-	-	-	-	0.3
Average PO Attainment	0.521	0.434	0.451	0.76	0.416	0.11	0.173	0.905	1.2	1.66	0.368	0.408	
Direct Attainment Value	0.417	0.347	0.36	0.608	0.333	0.088	0.138	0.724	0.96	1.328	0.294	0.327	
Indirect Value	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	
<b>Final PO Attainment</b>	<b>0.81</b>	<b>0.74</b>	<b>0.76</b>	<b>1.00</b>	<b>0.73</b>	<b>0.48</b>	<b>0.53</b>	<b>1.12</b>	<b>1.36</b>	<b>1.72</b>	<b>0.69</b>	<b>0.72</b>	

**PO Attainment Indirect Tool**

Indirect Tools (20%)	Programme Exit Survey (Wt-5%)	4
	Placements (Wt-5%)	2.6
	Higher Studies (Wt-5%)	2.8
	Parents F/B (Wt-5%)	3.8
Total		13.2
Total Indirect Attainment in %		66
In-Scale of 3		1.98
20% WEIGHTAGE		0.396

  
**Principal**

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