



# ADHIYAMAAN COLLEGE OF ENGINEERING

(Autonomous)

Affiliated to Anna University- Chennai & Approved by AICTE – New Delhi.

Accredited by NAAC & NBA-UGC, New Delhi

## 1.1.2-Number of Programmes where syllabus revision was carried out during last five years

### B.E – BIOMEDICAL ENGINEERING

R-2015 vs R-2018

Sl. No.	Course Code	Course Name	% of Change	Weightage
1	118ENT01	Technical English	50%	0.5
2	118MAT02	Engineering Mathematics-I	20%	0.2
3	118PHT03	Engineering Physics	10%	0.1
4	118CYT04	Engineering Chemistry	30%	0.3
5	118PPT05	Problem Solving and Python Programming	100%	1
6	118PPP08	Problem Solving and Python Programming Laboratory	100%	1
7	218ENT01	Communicative English	90%	0.9
8	218MAT02	Engineering Mathematics-II	20%	0.2
9	218GET03	Environmental Science and Engineering	100%	1
10	218EDT05	Electric Circuits and Electron Devices	10%	0.1
11	218BSE08	Physics for Electronics Engineering	100%	1
12	218CYP07	Engineering Chemistry Laboratory	30%	0.3
13	218EPP08	Engineering Practice Laboratory	20%	0.2
14	318MAT01	Engineering Mathematics-III	20%	0.2
15	318BMT02	Electrical Machines	20%	0.2
16	318BMT03	Human Anatomy & Physiology	100%	1
17	318BMT06	Fundamentals of Data Structures in C	100%	1
18	318BMP09	Fundamentals of Data Structures in C Laboratory	100%	1
19	418MAT01	Probability and Random Processes	5%	0.05

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**PRINCIPAL**

Adhiyamaan College of Engineering (Autonomous)  
Dr.M.G.R. Nagar, HOSUR-635130



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20	418BMT02	Analog Integrated Circuits	30%	0.3
21	418BMT03	Digital Logic Design	20%	0.2
22	418BMT04	Pathology and Microbiology	100%	1
23	418BMT05	Biochemistry	100%	1
24	418BMP08	Pathology and Microbiology Laboratory	100%	1
25	518BMT02	Digital Signal Processing and Biomedical Application	30%	0.3
26	518BMT03	Microprocessor Microcontroller and System Design	20%	0.2
27	518BMT05	Analog & Digital Communication	30%	0.3
28	518EIO01	Virtual Instrumentation	20%	0.2
29	518CIO05	Java Programming	10%	0.1
30	518BTO11	Medical Coding	100%	1
31	518ITO05	C# And .Net Framework	100%	1
32	618BMT01	Diagnostic Equipment	60%	0.6
33	618BMT02	Therapeutic Equipment	60%	0.6
34	618BMT03	Radiological Equipment	30%	0.3
35	618BME06	Bio Signal Processing	30%	0.3
36	618BME07	Clinical Engineering	20%	0.2
37	618BME08	Physiological Modelling	60%	0.6
38	618CSO07	Big Data Analytic	40%	0.4
39	618ECO09	VLSI Design	20%	0.2
40	618CSO10	Cloud Computing	20%	0.2
41	718BMT01	Medical Optics	30%	0.3
42	718BMT03	Biomechanics	30%	0.3
43	718BMT04	Medical Informatics	30%	0.3

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Sl. No.	Course Code	Course Name	% of Change	Weightage
44	718BME05	Biosensors and Transducers	100%	1
45	718BME07	Embedded Systems	20%	0.2
46	718BME08	Rehabilitation Engineering	20%	0.2
47	718BME09	ICU and Operation Theatre Equipments	30%	0.3
48	718BME10	Hospital Waste Management	100%	1
49	718BME11	Intellectual Property Rights	100%	1
50	718BMP09	Interpersonal Skills/ Listening and Speaking	100%	1
51	818BMT01	Hospital Engineering and Management	20%	0.2
52	818BME04	Assist Devices	30%	0.3
53	818BME06	Internet of Things in Medical Application	100%	1
54	818BME07	Advanced Medical Instrumentation	20%	0.2
<b>Total Weightage</b>				<b>27.55</b>
<b>(Total weightage of R2015 vs R2018/ No. of courses in R2018)*100 = (27.55/92)*100= 29.94%</b>				
<b>Total Change = 29.94%</b>				

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