





III B.Tech.(4YDC) BIOMEDICAL ENGINEERING

Elective I		SEMESTER - V	
S.No.		Sub. Code	Subject
1		<b>BM39254</b>	<b>Programming Tools &amp; Techniques</b>
2		<b>BM39251</b>	<b>Embedded Systems</b>

Elective II		SEMESTER - VI	
S.No.		Sub. Code	Subject
1		<b>BM39603</b>	<b>Biomedical Statistical Signal Processing</b>
2		<b>EC39602</b>	<b>Analog &amp; Digital Communication</b>

IV B.Tech.(4YDC) BIOMEDICAL ENGINEERING

SEMESTER - VII

S. No.	Subject Category	Sub. Code	Subject	Periods per Week			Th. Credi	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1		BM49025	Embedded Systems	4	-	2	3	1	70	30	40	60	200
2		BM49002	Bio-Mechanics	4	1	2	4	1	70	30	40	60	200
3		BM49006	Modeling & Simulation of Physiological Systems	4	-	2	3	1	70	30	40	60	200
4			Elective-I	4	-	-	3	-	70	30	0	0	100
5			Elective-II	4	-	-	3	-	70	30	0	0	100
6		BM49499	Major Project Phase-I ( AB group)	-	-	6	-	3	0	0	40	60	100
7		BM49999	Major Project Phase-II ( BA group)	-	-	10	-	5	0	0	40	60	100
Total			For AB Group	20	1	12	16	6	350	150	160	240	900
			For BA Group	20	1	16	16	8	350	150	160	240	900
Optional Subject(s)													
8			Open Category-III ( Audit Only)	-	-	-	-	-	-	-	-		

SEMESTER - VIII

S. No.	Subject Category	Sub. Code	Subject	Periods per Week			Th. Credi	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1			Elective-III	4	-	2	3	1	70	30	40	60	200
2			Elective-IV	4	1	-	4	-	70	30	-	-	100
3		BM49881	Industrial Training/Internship/Seminar*	-	-	-	-	8	-	-	100	-	100
4		BM49999	Major Project Phase-II ( AB group)	-	-	10	-	5	-	-	40	60	100
5		BM49499	Major Project Phase-I ( BA group)	-	-	6	-	3	-	-	40	60	100
Total			For AB Group	8	1	12	7	14	140	60	180	120	500
			For BA Group	8	1	8	7	12	140	60	180	120	500

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Elective I		SEMESTER - VII	
S.No.		Sub. Code	Subject
1		BM49222	Rehabilitation Engg.(4922)
2		BM49201	Hospital Technology Systems

Elective II		SEMESTER - VII	
S.No.		Sub. Code	Subject
1		BM49305	Medical Imaging Systems(BM4905)
2		BM49301	Bio informatics

Elective III		SEMESTER - VIII	
S.No.		Sub. Code	Subject
1		BM49601	Hospital Management and Information Systems
2		BM49602	Artificial Neural Network
3		BM49603	Medical Image Processing

Elective IV		SEMESTER - VIII	
S.No.		Sub. Code	Subject
1		BM49701	Bio Materials
2		BM49702	Telemedicine