Bharath Institute of Higher Education and Research, Chennai

Curriculum Chart - B.Tech. - Mechanical Engineering - CBCS System

L-Lectur	re Hrs/We	eek		T – Tutor	rial Hours / V	Veek	C- Cre	dits	1	P – Practical Ho	urs/Week																		
ıtegory	Category wise % of Credits	Year - I						Year - II										Year - III				Year - IV							
nities-H Ca	11.67%	Course Code BEN101	English-I	1 T P C	Code BEN 201	Semeste Course Title English-II	L T	P C 0 3	Course Code	Semester-3 Course Title	L T P	С	Course Code BMA401	Numerical Methods	7 P		Semester - 5 Course Course Title Code	5 L T	P C	Code	Value Education and Professional Ethics		Course Code	Semester- Course Title			Course Code	Semester-8 Course Title	. T P C
Art & Humar		BSS1L4/ 1L5/IL6	Personality Development NCC/NSS/NSO Mathematics –I	1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BSS2L7 Total BMA201	Foreign/Indian Language Yoga Mathematics- II	3 0	0 3 1 7 0 3	Total BMA301	Mathematics III	3 2 0		BCE406 Total	Environmental 3 Studies	0 0	7	Total			Total		3	Total	Operations			Total		
3asic Sciences - B		BCH101	Engineering Physics – I Engineering Chemistry – I Biology for	3 0 0 3 0 0 2 0 0	3 BPH 201 3 BCH201	Engineering Physics – II Engineering Chemistry – II Physics and Chemistry	3 0	0 3 0 3 3/3 1			3 2 0	4											BME702	Research for Engineers	4 0	0 0 4			
	29 8.63%	Total	Laboratory Fundamentals of	0 0 3	1 Total BME202	Engineering Mechanics	3 1	0 3	Total			4	Total			-	Total			Total			Total			4	Total		
Engineering Science-E		BME101	Engineering Graphics-E Basic Civil and Mechanical	2 0 0	4 BCS2L2	Basic Electrical and Electronics Engineering Computer Practices Lab Basic Electrical and Electronics	0 0	3 1																					
	17 45.21%	Total	Engineering Practices Laboratory	0 0 3	1 BEE2L1 O Total	Engineering Practices	0 0	3 1		Kinematics of Machines Thermodynamics	4 0 0	4	BME401	T1 1		4	Machine Design I Machine Design I Thermal Engineering II	3 2			Finite	4 0 0 4		Fluid Power		0 0 3	Total		
nal Core - P									BME304	Mechanics of Solids Fluid Mechanics and Machinery Manufacturing	4 0 0	3	BME403	Industrial Metallurgy Engineering Metrology and Instrumentation Metallary and	0 0	3 1	Fluid Power Systems Automobile Engineering	3 0	0 3	BME603	Heat and Mass Transfer CAD/CAM Heat Transfer	4 0 0 4 3 0 0 3	BMT7L1 BME7L1	Automation Lab Microprocessor Computer Aided Analysis and Simulation Lab		0 3 2			
Profession									BME3L1 BCE3L3	Technology –I Machine Drawing Fluid Mechanics, Machinery and Strength of	4 2 02 0 20 0 3	3		Manufacturing		2	Manufacturing BME5L2 Technology Lab-II		3 2		CAD/CAM	0 0 3 2							
Open Electi ves	3.04%	Total Total			Total				Total Total	Materials Lab		23	Total Total			18	Total	0 0		Total		19	Total	Open Elective (OE) - I	3 0	0 3	Total	Open Elective (OE)	3 0 0 3
Core Projects/In Electi ternships ves	4.56%	Total Total			Total				Total Total				BME4L3 Total Total	Technical Seminar- I	0 2	1	Comprehension-I Total Core Elective (CE) - I Total	3 0	1	BME6L3 Total Total	Technical Seminar -II Core Elective (CE) - II	0 0 2 1	Total	Core Elective (CE)		0 3			0 0 18 9
Major Electives	4.56%	Jotal			Total				rotal				Total				Stul		3	Total		3	Total	Non Major Elective (NE) - I Non Major Elective (NE) - II		0 0 3		Non Major Elective (NE) - III	3 0 0 3
Non –I Total Credits		Total		2	Total			24	Total			25	Total			26	- Total		26	Total		26	Total		3 0	0 0 3 6 25			3 16