				GA	NPAT UNIV	ERSITY							
			FACI		ENGINEERIN		JOLOGY						
Program	ıme			of Technolog	Branch/Spec.	Biomedical Engineering							
Semeste		V		or recimono,	<i>5J</i>	Version	a Engineering						
Effective		Academi	c Year		Version 1.0.0.0 Effective for the batch Admitted in July 2022								
Course (BM51PI	E02	Hospital Management								
Teaching					Examination scheme (Marks)								
(Per	T	ecture(D	T)	Practical	Total	CE SEE							
week)				(Lab.)									
	L TU P		P	TW									
Credit	3	3		_	3	Theory	40	60	100				
Hours	3	3		3	Practical								
Pre-requisites													
Basics o	f Hospit	al and b	asic biol	logy and mar	nagement skills								
Course (Outcome	es											
COs	Description												
CO1	Evaluate the development of high quality of hospital care in the community by understanding the role												
	biomedical engineer in hospitals												
CO2	Develop skills enabling biomedical engineers to serve in hospitals ,national and international industrials												
000	government agencies												
CO3	Understand the role and designing of critical care departments of hospital like ICCU, ICU and activit												
CO4	Central Sterile Supply Department, various medical records and waste management. Apply their skills to Communicate effectively and develop their leadership and teambuilding abilities												
CO4		their sk	ills to C	ommunicate	effectively and de	evelop their leader	rsnip and tear	mbuilding abiliti	es				
Theory s	synabus I				Conton				Hrs.				
Unit													
1	THE HOSPITAL												
	Role of Hospitals in Health Care, Hospital Planning and Design, Effective Hospital Management,												
2	Planning, Organizing, Controlling, Financial Management. ADMINISTRATIVE SERVICES												
2					tor and Biomedi	cal Engineer in	Uospital Ma	adical Decords	6				
					rials Managemen								
					l Aspects of Hosp								
3						itai i taiiiiiisti ati	on, Disaster i	vianagement.	5				
	CLINICAL SUPPORTIVE SERVICES Radiology and Imaging Services, Laboratory Services, Operation Theatre Suite, Pharmacy, Cen												
		~	~ .		Hospital Linen a		•	,					
4					MATION SYSTE	•			7				
	Outpatient Services, the Nursing Unit, Intensive Care Unit, Nursing Services, Biomedical												
					system types, Ope								
	Evaluation of Different HIS, Hospital Software, Use of IoT in patient data monitoring &												
		ement.											
5					TROL DEFININ				8				
					cation and descrip								
					es ,Reservoir, carr								
	measures Sterilisation and aseptic techniques Infection control committee: purpose, composition and terms of reference.												
- 6				E MANAGI	EMENT				7				
6						ment and Haalth	Generation	nd Segregation	'				
	Hospital Waste, Effect of Hospital Waste on Environment and Health, Generation and Segregation, Transport and Storage, Treatment and Disposal of Waste, Managerial Issues in Biomedical Waste												
	Management, New Concept in Biomedical Waste Management, Laws Related to Biomedica												
	Management, New Concept in Biomedical waste Management, Laws Related to Biomedical waste Management.												
7	_		OT	ditation - 1	fooility				2				
7	NARE	ı & NAI	or accre	cuitation and	facility managem	ent.			3				

Practical content							
NA							
Text Bo	ooks						
1	Principles of Hospital Administration and Planning by BM Sakharkar Pub.: Jaypee Brothers Medical Publishers						
2	Hospital Waste Management: A Guide for Self-Assessment and Review by Basarkar Shishir Pub.: Jaypee Brothers Medical Publishers						
Referen	Reference Books						
1	Innovations in Hospital Management: Success with Limited Resources by Rufino L Macagba Pub.: Central Book Supply						
2	Hospital Administration and Management - A Comprehensive Guide by Gupta Joydeep Das Pub.: Jaypee Brothers Medical Publisher						
ICT/MOOCs Reference							
1	https://nptel.ac.in/courses/112104118/						
2	https://nptel.ac.in/courses/112105171/						
3	https://nptel.ac.in/courses/105103095/						

Mapping of CO with PO and PSO:															
	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11	P O 12	P S O 1	P S O 2	P S O 3
CO1	3	3	3	1	1	1	0	1	1	2	0	2	2	1	3
CO2	2	2	3	1	2	3	0	1	1	0	0	1	3	2	3
CO3	3	1	3	1	1	3	0	1	1	0	0	1	3	2	2
CO4	3	2	3	1	1	1	0	1	1	3	0	1	3	2	1