## National Institute of Technology Meghalaya

An Institute of National Importance

CURRICULUM

C	Programme										Year of Regulation 2018				18	
	epartme	ent N	lechanical	Engineerir	ng				-			Sem	ester		v	11
Course Code		Course Name								Credit	Structure			Marks D	istribution	n
ME 423								L	Т	Р	С	INT	MID	END	Tota	
IVII	423	GREEN MANUFACTURING						3	0	0	3	50	50	100	200	
Course Objectives		To introduce Motivations, Barriers, Environmental Impact and Strategies for Green Manufacturing and explain the Techniques /Methods of Green Supply Chain. To develop an ability and skill to use the knowledge of Environmental								CO1	Able to Interpret the basics of Green Manufacturing its Social, Business, and Policy Environment. (Understanding) Able to Explain the Metrics for Green Manufacturing principles of green manufacturing (Understanding)					
		Implications of Nano-manufacturing and Green Manufacturing through Clean Energy. To discuss the role of supply chain in packaging								CO3 CO4 CO5	Able to Apply the knowledge of Closed-Loop Produc Systems for Sustainable Factory Design. (Application) Able to Able to Apply the knowledge of Environme Implications of Nano-manufacturing and Clean Energ Supplying Green Manufacturing (Application) Able to Analysis and discussion on Packaging and Supply Chain (Analysis)					
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2	CO1	0	0	0	0	0	0	0	0	2	1	3	3	0	3	0
2	CO3	0	0	0	0	0	0	2	2	2	3	3	3	0	3	0
4	CO4	0	0	0	0	0	3	3	3	3	3	3	3	0	3	0
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1. J. Paulo Davim "Green Manufacturing Processes and Systems" Springer-Verlag Berlin Heidelberg, 2013