

**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY
DESIGN AND MANUFACTURING (IIITD&M) KANCHEEPURAM**

INTRODUCTION OF NEW COURSE

Course Title	LOGISTICS AND DISTRIBUTION MANAGEMENT	Course No <i>(will be assigned)</i>				
Specialization	Mechanical Engineering	Structure (LTPC)	3	0	0	3
Offered for	UG/PG/Ph.D	Status	Core <input type="checkbox"/>	Elective <input checked="" type="checkbox"/>		
Faculty	Dr. SHAHUL HAMID KHAN	Type	New <input checked="" type="checkbox"/>	Modification <input type="checkbox"/>		
Pre-requisite		To take effect from	Jan 2011			
Submission date	November 2010	Date of approval by AAC				
Objectives	The course aims to provide an in-depth coverage of logistics management. Students will be exposed to various facets such Distribution, Transportation Management, Facility location, Reverse logistics, etc. The course would equip students with skills required for effective decision making and management.					
Contents of the course <i>(With approximate break up of hours)</i>	<p>Logistics Management: The concepts of logistics. Functions of the logistics system - transportation, warehousing, order processing, information handling and procurement Distribution Management, Outbound logistics, Facility location, Classical location problems, Strategic planning models for location analysis, location models, multi objective analysis of location models.</p> <p>Transportation Management - Transportation alternatives and technologies; transportation performance analysis; total transportation cost analysis; fleet development and management; fleet performance indicators; routing and scheduling; shipment planning; vehicle loading; transportation management and information systems requirements.</p> <p>Logistics Modeling - Logistics Customer Service, Modeling logistics systems, Simulation of logistic systems, cost effective distribution strategies, Value of information in logistics, E-logistics, risk pooling effect</p> <p>Third party Logistics, and fourth party logistics, Reverse logistics</p>					
Text and References	<p>References</p> <ol style="list-style-type: none"> 1. Bowersox , Logistical Management, Tata McGraw-Hill, 2000 2. JulienBramel, David Simchi-Levi. The logic of logistics: theory, algorithms, and applications for logistics management, Springer,2006 3. Alan Rushton, Phil Croucher, Peter Baker, The handbook of logistics and distribution management, Edition 3,Kogan Page Publishers, 2006 4. Dileep R. Sule, , Logistics of facility location and allocation, Marcel Dekker, 2001 					