Transport Phenomena

SWAYAM Prabha Course Code - M11

PROFESSOR'S NAME	Prof. Deepoo Kumar
DEPARTMENT	Mechanical Department
INSTITUTE	Indian Institute of Technology, Bombay
COURSE OUTLINE	Besides course outline, it should also indicate if there are any pre-requisities (i.e, prior knowledge) required .
	It will be useful for the portal: This course is designed to provide an overview of momentum, heat and mass transport from the perspective of metallurgical engineering and materials science. These concepts are discussed using standard examples as well as practical examples. At the end of the course, one should be able to identify relevant transport processes, write transport equations, identify appropriate boundary conditions and come up with analytical solutions.

COURSE DETAILS

S. No	Module ID/ Lecture ID	Lecture Title/Topic
1	**L1**	Course Overview
2	**L2**	Continuum Hypothesis, Definition of Pressure, Pascal Law
3	**L3**	Flow Description, First Law of Thermodynamics
4	**L4**	Bernoulli's Equation, Pressure in flowing fluid
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References if   **Any:**