



**SUB.CODE: 15UCH701**

**SUB.NAME: TRANSPORT PHENOMENA**

**CATEGORY: EMPLOYABILITY**

- Transport Phenomena is the subject which deals with the movement of different physical quantities in any chemical or mechanical process and describes the basic principles and laws of transport.
- It also describes the relations and similarities among different types of transport that may occur in any system. –
- Learning this subject helps chemical engineers to get jobs as process engineers.
- Examples of transport processes include **heat conduction (energy transfer)**, fluid flow (momentum transfer), molecular diffusion (mass transfer), radiation and electric charge transfer in semiconductors. Transport phenomena have wide application.
- It places a heavy emphasis on the commonalities between the topics covered.
- Mass, momentum, and heat transport all share a very similar mathematical framework, and the parallels between them are exploited in the study of transport phenomena to draw deep mathematical connections that often provide very useful tools in the analysis of one field that are directly derived from the others.

**COURSE COORDINATOR**

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