
Course Title : Manufacture & Application of Nanomaterial

- **Aim:**

Introduction to synthesis of nanomaterial in gas, liquid and solid states

- **Syllabus:**

Introduction of nanotechnology and Nano engineering Synthesis of nanomaterial in gas phase, Synthesis of nanomaterial in liquid phase, Synthesis of nanomaterial in solid phase

- **Reading Resources:**

1. Gutzow I, Schmelzer J. The Vitreous State: Thermodynamics, Structure, Rheology, and Crystallization. Berlin: Springer; 1995.2. Burda C, Chen XB, Narayanan R. Chemistry and properties of Nano crystals of different shapes. Chem Rev 2005;105:1025–1102.3. Rahaman MN. Ceramic Processing. New York, NY: Taylor & Francis; 2007.4. Cao G. Nanostructures & nanomaterial: Synthesis, Properties & Application. London: Imperial College Press; 2004.