



Advanced Memory Devices and Thin Film Fabrication

A Value-Added Course (Blended Mode)

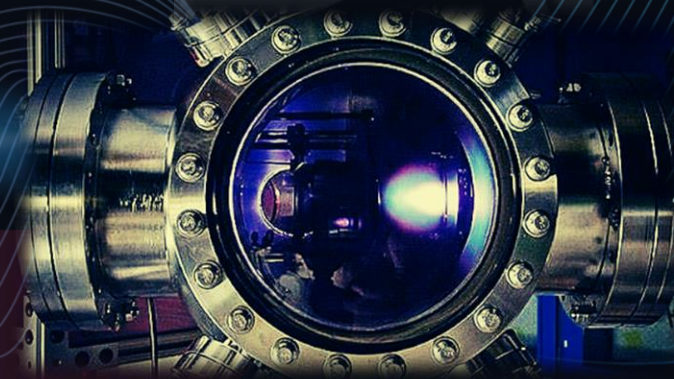
Offered by Department of Physics, Garhbeta College



This course aims to impart an understanding of memory devices, starting with magnetic materials. It covers magnetic memory, including bit storage, reading/writing in spintronics. It also delves into Hard Disk Drives (HDDs), Solid-State Drives (SSDs), magnetic tape, Magnetic Random Access Memory (MRAM), and thin film synthesis techniques like Physical Vapor Deposition (PVD), Chemical Vapor Deposition (CVD), and Laser Ablation.

□ *Objectives in brief*

- 1. Understanding magnetic memory devices & fabrication.*
- 2. Using newly acquired skills in real-life situations.*
- 3. Improving presentation skills.*



Course Coordinator: **Dr. Suman Sardar**, Assistant Professor, Department. of Physics, Garhbeta College,

Contact Information: sumansardar@garhbetacollege.ac.in

Duration of the Course: **32 Hours**; Tentative Date of Commencement of the Course: **10th November, 2023**