

SYLLABUS :-

Overview of material handling system and devices in food processing plants, Design of screw, bucket, belt, oscillating and vibratory conveyors. Refrigerated transport and transportation in insulated containers, Packaging materials, their characteristics and properties, Manufacture of plastic films, foils, laminates, retortable pouches, rigid plastic container paper and corrugated fibre board, Design of shipping cartons and containers, Rigid packaging using tin plate and aluminium, Design of aerosol container, metal tubes, glass containers and closures, Labels and printing in packages, Packaging requirement for different processed and unprocessed foods, e.g., cereal grains, baked foods, milk and dairy products, fish and meat, fresh fruits and vegetables, Principles of working of various type fillers : form-fill-seal machine, gas packaging and modified atmosphere package design, Shelf life prediction of foods in packages, Quality control in food packaging, Product safety and packaging regulations.