

**J.D. BIRLA INSTITUTE**  
**Programme Outcomes (PO)**  
**Programme Specific Outcome (PSO) &**  
**Course Outcomes**

**Department of Food Science & Nutrition Management, B.Sc (Hons)**

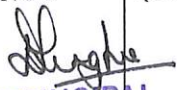
**Programme Outcomes (PO)**

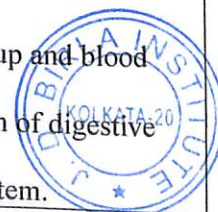
- PO1: Scientific Knowledge:** Application of knowledge of nutrition & dietetics in disease management and prevention for the welfare of the community.  
**PO2: Food Handling & Safety:** Implementation of strategies for food access, procurement, preparation, and safety for individuals, families, and communities.  
**PO3: Food Product Design & Development:** Innovation in food design and product development for market-ready products with high nutritive value.  
**PO4: Effective Counselling:** Able to provide nutrition counseling and education to individuals, groups, and communities throughout the lifespan using a variety of communication strategies.  
**PO5: Effective Communication:** Prepare and deliver effective presentations of technical information to food science and nutrition professionals and to the general public.

**Programme Specific Outcome (PSO)**

- PSO1:** Apply analytical principles of food and nutrients in diet formulation.  
**PSO2:** Utilize and manage resources and contribute to community development.  
**PSO3:** Understand the role of food and nutrition for the welfare of the community.  
**PSO4:** Apply skill-based knowledge in food industry.  
**PSO5:** Acquire entrepreneurial skills in the field of food science and nutrition.

Class/ Paper/Semester	Title	Course Outcome
1 <sup>st</sup> year B.Sc (FSNM) Core Course-I	Introduction to Food & Nutrition (FSNM101)	<p><b>CO1:</b> Understand the role of food and nutrients in health and disease processes.</p> <p><b>CO2:</b> Knowledgeable in the functions, metabolism, sources of major macro and micro nutrients in the human body.</p> <p><b>CO3:</b> Identify various nutritional deficiencies and their corrective measures.</p> <p><b>CO4:</b> Competent in the preparation of various cuisines and meals.</p> <p><b>CO5:</b> Utilize the basics of culinary sciences for professional meal preparations.</p>
1 <sup>st</sup> year B.Sc (FSNM) Core Course-I	Human Nutrition (FSNM 102)	<p><b>CO1:</b> Understand the body composition, basic principles of nutrients and its role in the body.</p> <p><b>CO2:</b> Updated knowledge of the recent advances in the area of human nutrition.</p> <p><b>CO3:</b> Understand and prescribe specific nutrients for enhancing performance and sustenance during extreme environmental conditions.</p> <p><b>CO4:</b> Understand the interaction between immunity, infection and nutrition and its impact on nutritional status.</p> <p><b>CO5:</b> Assessing specific nutritional requirements for optimum growth and development throughout the lifespan.</p>
1 <sup>st</sup> year B.Sc (FSNM) General Elective-I	Basic Physiology (FSNM 103)	<p><b>CO1:</b> Describe the structure and function of the cell, various tissues.</p> <p><b>CO2:</b> Describe the different component and function of blood as well as cardiovascular system.</p> <p><b>CO3:</b> Identify the importance of blood group and blood transfusion.</p> <p><b>CO4:</b> Describe the function and mechanism of digestive system.</p> <p><b>CO5:</b> Appraise the function of nervous system.</p>

  
**PRINCIPAL**  
**J. D. BIRLA INSTITUTE**  
**11, Lower Rawdon Street**  
**Kolkata - 700 020**



1 <sup>st</sup> year B.Sc (FSNM) Ability Enhancement Compulsory Course-I	Communicative English (FSNM 104)	<p><b>CO1:</b> Upgraded vocabulary with enhanced word power, correct grammar, accents and pronunciation.</p> <p><b>CO2:</b> Acquire oral communication skills to optimize work performance.</p> <p><b>CO3:</b> Competent to independently compose written texts both formal &amp; informal.</p> <p><b>CO4:</b> Improved nonverbal skills for effective communication.</p> <p><b>CO5:</b> Able to prepare sound bibliographies with footnotes and endnotes.</p>
1 <sup>st</sup> year B.Sc (FSNM) Core Course-II	Maternal & Child Health (FSNM 201)	<p><b>CO1:</b> Understand the main determinants and consequences of inadequate nutrition during foetal life and provide evidence-based interventions to improve health outcomes.</p> <p><b>CO2:</b> Acquire the knowledge and provide nutritional therapy for complications associated with pregnancy.</p> <p><b>CO3:</b> Enable the concept of diet plan for mother and child.</p> <p><b>CO4:</b> Understand and provide nutritional management of preterm and low birth weight babies.</p> <p><b>CO5:</b> Competent in preparing recipes for pregnant and lactating mothers, infants and school going children.</p>
1 <sup>st</sup> year B.Sc (FSNM) Core Course-II	Public Health & Nutrition-I (FSNM 202)	<p><b>CO1:</b> Competent to create awareness among students about the nutritional problems of the community with special emphasis on vulnerable sections.</p> <p><b>CO2:</b> Understand the deleterious effects of malnutrition in the development of the nation and means of combating the same.</p> <p><b>CO3:</b> Analyze demographics, population dynamics and its impact on nutritional status of a country.</p> <p><b>CO4:</b> Well-versed in the methods of assessing nutritional status with appropriate nutritional screening tools.</p> <p><b>CO5:</b> Capable to facilitate and aid a nutrition education program.</p>
1 <sup>st</sup> year B.Sc (FSNM) General Elective-II	Human Physiology (FSNM 203)	<p><b>CO1:</b> Understand normal physiological functions of the body.</p> <p><b>CO2:</b> Analyze the function and abnormality of endocrine glands.</p> <p><b>CO3:</b> Describe the function and mechanism of respiratory system.</p> <p><b>CO4:</b> Appraise the function and mechanism of excretory system.</p> <p><b>CO5:</b> Understand the structure and function of reproductive system.</p>
1 <sup>st</sup> year B.Sc (FSNM) Ability Enhancement Compulsory Course-II	Environmental Studies (FSNM 204)	<p><b>CO1:</b> Describe ecology and environment.</p> <p><b>CO2:</b> Provide active participation in environment improvement and Planet protection.</p> <p><b>CO3:</b> Idea generation and action requirement to help during an ecological crisis.</p> <p><b>CO4:</b> Interpret and address socio-environmental issues in an ethical approach.</p> <p><b>CO5:</b> Understand the impact of human activities on environment.</p>
2 <sup>nd</sup> year B.Sc (FSNM) Core Course-III	Food Components (FSNM 301)	<p><b>CO1:</b> Understand the chemical composition of nutrients.</p> <p><b>CO2:</b> Understand the application of the nutrients in food industry.</p> <p><b>CO3:</b> Determining the quantitative and qualitative analysis of nutrients present in food stuff.</p> <p><b>CO4:</b> Understand the physiochemical properties of nutrients.</p> <p><b>CO5:</b> Determine the use enzyme technology used in food industry.</p>



2 <sup>nd</sup> year B.Sc (FSNM) Core Course-III	Meal Planning (FSNM 302)	<p><b>CO1:</b> Knowledgeable in the principles of planning diets for various stages of life cycle.</p> <p><b>CO2:</b> Competent to plan diets for various activity groups throughout the lifespan.</p> <p><b>CO3:</b> Understand principles of planning diets for adverse and unusual circumstances.</p> <p><b>CO4:</b> Utilize the knowledge of meal planning to prepare balanced diets for different age groups.</p> <p><b>CO5:</b> Prepare nutritious meals for various socio-economic groups of society.</p>
2 <sup>nd</sup> year B.Sc (FSNM) Core Course-III	Food Quality Analysis (FSNM 303)	<p><b>CO1:</b> Understand various quality measures in food.</p> <p><b>CO2:</b> Appraise the principles of instrumentation required in food quality analysis.</p> <p><b>CO3:</b> Compare different food analysis techniques.</p> <p><b>CO4:</b> Explain AOAC methods of estimating food components.</p> <p><b>CO5:</b> Demonstrate quality assessment of food products.</p>
2 <sup>nd</sup> year B.Sc (FSNM) General Elective-III	Fundamentals of Design and CAD in Textile Design (FSNM 304)	<p><b>CO1:</b> Identify different microorganisms associated with food.</p> <p><b>CO2:</b> Classify microorganisms associated with food.</p> <p><b>CO3:</b> Appraise microbial estimation in food.</p> <p><b>CO4:</b> Explain various food borne illnesses due to microorganisms.</p> <p><b>CO5:</b> Identify the beneficial effects of microorganisms.</p>
2 <sup>nd</sup> year B.Sc (FSNM) Skill Enhancement Course-III	Term Paper & Seminar (FSNM 305)	<p><b>CO1:</b> Enhance the ability to plan, design and research new studies adhering to ethical guidelines.</p> <p><b>CO2:</b> Improved problem-solving skills.</p> <p><b>CO3:</b> Scrutinize a situation; apply critical thinking towards a conclusion and solution.</p> <p><b>CO4:</b> Draw connections and inferences from collected data.</p> <p><b>CO5:</b> Apply theoretic understanding to practical skills.</p>
2 <sup>nd</sup> year B.Sc (FSNM) Core Course-IV	Food Preservation (FSNM 401)	<p><b>CO1:</b> Understand different preservation techniques used in food industry</p> <p><b>CO2:</b> Assess and analyze the food additives used across the food industry.</p> <p><b>CO3:</b> Explain food safety laws used in food industry.</p> <p><b>CO4:</b> Practical application of Food preservation techniques.</p> <p><b>CO5:</b> Identify purpose for food preservation.</p>
2 <sup>nd</sup> year B.Sc (FSNM) Core Course-IV	Food Science-I (FSNM 402)	<p><b>CO1:</b> Explain the science of food and food system.</p> <p><b>CO2:</b> Study the effect of processing on different food components.</p> <p><b>CO3:</b> Understanding the various physio-chemical reactions in food.</p> <p><b>CO4:</b> Implement the theoretical knowledge of the science of food in practical.</p> <p><b>CO5:</b> Identify the best methods to preserve the food components.</p>
2 <sup>nd</sup> year B.Sc (FSNM) Core Course-IV	Public Health & Nutrition-II (FSNM 403)	<p><b>CO1:</b> Well-versed with the various nutritional policy &amp; programmes implemented in the Nation.</p> <p><b>CO2:</b> Understand the process of implementation of programmes using various modules.</p> <p><b>CO3:</b> Capable to plan and facilitate to aid a nutrition education program.</p> <p><b>CO4:</b> Interact with the community to collect information about their nutritional status through dietary surveys.</p> <p><b>CO5:</b> Design &amp; prepare and use the various types of communication aids for imparting nutrition education.</p>



2 <sup>nd</sup> year B.Sc (FSNM) General Elective-IV	Nutritional Biochemistry (FSNM 404)	<p><b>CO1:</b> Explain the structure and biochemistry of important nutrients.</p> <p><b>CO2:</b> Identify the importance of enzymes and biological oxidation.</p> <p><b>CO3:</b> Appraise the interrelationship between various metabolic pathways.</p> <p><b>CO4:</b> Understand the application of biochemical knowledge to problems of human health &amp; nutrition.</p> <p><b>CO5:</b> Demonstrate the methods of nutritional estimations.</p>
2 <sup>nd</sup> year B.Sc (FSNM) Skill Enhancement Course-IV	Computer Fundamentals (FSNM 405)	<p><b>CO1:</b> Optimize the use of Microsoft Office tools.</p> <p><b>CO2:</b> Enhance use of PowerPoint as a visual aid for effective communication.</p> <p><b>CO3:</b> Skills developed to design audio-visual aids.</p> <p><b>CO4:</b> Use of technology to optimize learning and communication.</p> <p><b>CO5:</b> Understand basic concepts of creating multimedia applications and websites.</p>
3 <sup>rd</sup> year B.Sc (FSNM) Core Course-V	Dietetics (FSNM 501)	<p><b>CO1:</b> Understand the relationship between diet and disease.</p> <p><b>CO2:</b> Applying the principles of nutrition in daily life.</p> <p><b>CO3:</b> Gain knowledge about role of nutrition in disease management.</p> <p><b>CO4:</b> Provide nutritional advice and counselling for diet and lifestyle modifications.</p> <p><b>CO5:</b> Plan diets to manage chronic and acute diseases.</p>
3 <sup>rd</sup> year B.Sc (FSNM) Core Course-V	Food Science-II (FSNM 502)	<p><b>CO1:</b> Implement different processing techniques for various foods.</p> <p><b>CO2:</b> Analyze the components added to foods externally.</p> <p><b>CO3:</b> Assess the reactions taking place in foods.</p> <p><b>CO4:</b> Implement the theoretical knowledge of the science of food in practice.</p> <p><b>CO5:</b> Appraise the best methods to preserve the components in foods.</p>
3 <sup>rd</sup> year B.Sc (FSNM) Discipline Specific Elective-V	Food Processing Operation (DSE (A):1)	<p><b>CO1:</b> Concept of high and low temperature processing.</p> <p><b>CO2:</b> Brief idea of Food Additives.</p> <p><b>CO3:</b> Determining the shelf-life study of any food product.</p> <p><b>CO4:</b> Understand the concept of cold sterilization.</p> <p><b>CO5:</b> Idea Generation regarding different method of concentration.</p>
3 <sup>rd</sup> year B.Sc (FSNM) Discipline Specific Elective-V	Fundamentals of Bakery & Confectionary (DSE (A):2)	<p><b>CO1:</b> Understand the role of ingredients while baking</p> <p><b>CO2:</b> Implementing alternatives while baking</p> <p><b>CO3:</b> Study the science of baking</p> <p><b>CO4:</b> Implement the baking theory in practical</p> <p><b>CO5:</b> Learn preparation of various baked products</p>
3 <sup>rd</sup> year B.Sc (FSNM) Discipline Specific Elective-V	Diet & Patient Counseling (DSE (A):3)	<p><b>CO1:</b> To critically appraise, plan and supervise preparation and service of different kinds of therapeutic diets in hospital dietary service.</p> <p><b>CO2:</b> Allowing practical consideration in giving dietary advice and counseling to patients.</p> <p><b>CO3:</b> Teaching use of software in preparation of diet charts and computation of data.</p> <p><b>CO4:</b> Case analysis of patients with multiple disease conditions and formulation of dietary intervention strategy.</p> <p><b>CO5:</b> To interact effectively with patients and their families and to give dietary advice in the context of the patients' socio-cultural and economic milieu</p>



3 <sup>rd</sup> year B.Sc (FSNM) Discipline Specific Elective-V	Hospital Management (DSE (A):4)	<b>CO1:</b> Determine the nutrition assessment tools used in hospitals. <b>CO2:</b> Appraisal of different types of hospital <b>CO3:</b> Identify the duties & responsibilities of different departments in hospital. <b>CO4:</b> Get the idea regarding Total Quality Management <b>CO5:</b> Explain the role of dietician in a hospital.
3 <sup>rd</sup> year B.Sc (FSNM) Core Course-VI	Therapeutic Nutrition (FSNM 601)	<b>CO1:</b> Utilization of knowledge regarding food and nutrients in maintaining health <b>CO2:</b> Planning, guiding, conducting nutritional assessments and providing advice and nutritional counselling with intervention <b>CO3:</b> Adept in research and critical thinking with regards to nutritional management of diseases <b>CO4:</b> Calculate and interpret nutrient composition of foods and planning diets for disease management <b>CO5:</b> Determining medical nutrition therapy for advanced medical conditions
3 <sup>rd</sup> year B.Sc (FSNM) Core Course-VI	Food Service Management (FSNM 602)	<b>CO1:</b> Identify different food service system used in Food service institution. <b>CO2:</b> Get the concept of Menu and menu planning. <b>CO3:</b> Descriptive idea regarding the equipment used in food industry. <b>CO4:</b> Understand the food safety and sanitation criteria for food service industry. <b>CO5:</b> Brief idea regarding financial management and food cost.
3 <sup>rd</sup> year B.Sc (FSNM) Discipline Specific Elective-VI	Nutraceutical & Functional Foods (DSE (B):1)	<b>CO1:</b> Learn about different probiotics and prebiotics food. <b>CO2:</b> Explain antioxidant and nutraceuticals and their therapeutic use. <b>CO3:</b> Application of genetically modified foods. <b>CO4:</b> Assess the bioactive components present in foods. <b>CO5:</b> Explain the therapeutic use of fermentation and germination
3 <sup>rd</sup> year B.Sc (FSNM) Discipline Specific Elective-VI	Food Safety & Food Standard (DSE (B):2)	<b>CO1:</b> Study quality parameters for food. <b>CO2:</b> Understanding of the food laws & standards <b>CO3:</b> Identify the non- nutritive substances added in food <b>CO4:</b> Learn to assess the quality of foods <b>CO5:</b> Learn the techniques for assessing nutrients in food
3 <sup>rd</sup> year B.Sc (FSNM) Discipline Specific Elective-VI	Advanced Therapeutic Nutrition (DSE (B):3)	<b>CO1:</b> Acquire knowledge about special feeding techniques in regard to critically ill patients. <b>CO2:</b> Understand the clinical significance of drug- nutrient interactions. <b>CO3:</b> Application of Medical Nutrition Therapy for chronic diseases <b>CO4:</b> Understand the role of nutrients in management of neurological disorders. <b>CO5:</b> Skill development for dietary planning and counseling for various diseases.
3 <sup>rd</sup> year B.Sc (FSNM) Discipline Specific Elective-VI	Food Packaging (DSE (B):4)	<b>CO1:</b> Understand packaging system used in food industry. <b>CO2:</b> Understand the concept of active and smart packaging. <b>CO3:</b> Appraisal about different packaging materials and forms used in food industry. <b>CO4:</b> Obtain idea regarding eco-friendly packaging. <b>CO5:</b> Get knowledge of different food packaging laws.



## Department of Textile Science, Clothing & Fashion Studies,; B.Sc (Hons)

### Programme Outcomes (PO)

The programme equips the students with an understanding of design and technology in textile and apparel along with an appreciation of our rich textile culture. The programme strives to build a cadre of professionals in the area of Textiles and Clothing. The courses are pitched at providing a strong theoretical base along with skill enhancement through hands-on training. The course aims to provide knowledge of the latest technological advances in textile and apparel sector as well as sensitize students towards the rich textile heritage, crafts and community. The curriculum provides experiential training to students for professional and career readiness with the right skill set needed in a competitive market scenario.

### Programme Specific Outcome (PSO)

**PSO1:** Gain knowledge in textile production techniques

**PSO2:** Acquire skills in textile dyeing and printing

**PSO3:** Get understanding in textile science and textile testing

**PSO4:** Acquire dexterity in design, surface enrichment and apparel construction

**PSO5:** Develop entrepreneurial skills in textiles and fashion

**PSO6:** Boost confidence and public speaking skills through presentations.

Class/ Paper/Semester	Title	Course Outcome
1 <sup>st</sup> year B.Sc (TCFS) Core Course-I	Basic Science & Introduction to Textiles (TCFS 101)	To acquire basic knowledge of physics & chemistry and apply it to the study of textile & clothing science and also to understand the serviceability concepts and relate them to specific textile end-uses, care & selection.
1 <sup>st</sup> year B.Sc (TCFS) Core Course-I	Fashion Studies & Sustainable Fashion (TCFS 102)	To enable students to gain knowledge of the fashion industry, fashion design concepts and the whole process. It also spreads awareness among the students about the environmental issues of the textile industry and makes them understand about the sustainability concept and fashion.
1 <sup>st</sup> year B.Sc (TCFS) General Elective-I	Basic Sewing & Fundamentals of Clothing Construction (TCFS 103)	To familiarize the students with the terminologies related to apparel and its construction, also the tools and equipment's used for sewing. Develop an understanding about various finishes used in the textile industry. It also introduces the student to the concepts of drafting, paper patterns, flat pattern making principles etc.
1 <sup>st</sup> year B.Sc (TCFS) Ability Enhancement Compulsory Course-I	Communication Skills & Personality Development (TCFS 104)	To train the students in verbal communication skills and equips the student with writing skills for effective communication.
1 <sup>st</sup> year B.Sc (TCFS) Core Course-II	Fibre Science & Yarn Studies (TCFS 201)	To educate the students about the natural and man-made fibres with respect to their processing / manufacture, structure, composition, physical and chemical properties with special reference to their end-uses and also the systems of different yarn preparation, type of yarn used for manufacturing of different fabrics, determining yarn sizes along with types.
1 <sup>st</sup> year B.Sc (TCFS) Core Course-II	Fabric Studies and Fabric Manufacture (TCFS 202)	To enables students to gain knowledge in weaving, knitting and nonwoven methods of textile production. It also makes them understand the basic and figured weaves. It helps students to understand and analyse the construction of different fabrics.



1 <sup>st</sup> year B.Sc (TCFS) General Elective-II	Pattern Making & Children's Clothing (TCFS 203)	To enables the students to acquire skills in the various stitching processes and learn about pattern making which they use to construct various children's garments.
1 <sup>st</sup> year B.Sc (TCFS) Ability Enhancement Compulsory Course-II	Environmental Studies (TCFS 204)	To acquaint the students with the various aspects of environment and motivates them to deal with the present-day scenario of environmental concerns.
2 <sup>nd</sup> year B.Sc (TCFS) Core Course-III	Textile Processing & Finishing (TCFS 301)	To enable the students to acquire basic knowledge about the different operations involved in textile processing is taught along with the auxiliaries used in textile processing with a practical knowledge.
2 <sup>nd</sup> year B.Sc (TCFS) Core Course-III	Textile Dyeing & Printing (TCFS 302)	To enable the students to learn basics of dyes, principles of dyeing and different styles and methods of printing. It also makes the student become familiar with the different devices, tools and equipment used in dyeing and printing of textiles.
2 <sup>nd</sup> year B.Sc (TCFS) Core Course-III	Advanced Pattern Making & Garment Construction (TCFS 303)	To enable the students to understand the various detailed aspects of Women's fashion through developing patterns and constructing garments.
2 <sup>nd</sup> year B.Sc (TCFS) General Elective-III	Fundamentals of Design and CAD in Textile Design (TCFS 304)	To helps the students to understand the fundamentals and principles of CAD along with their applications
2 <sup>nd</sup> year B.Sc (TCFS) Skill Enhancement Course-III	Term Paper & Seminar (TCFS 305)	To provide an opportunity to students to work independently under guidance, develops an ability to articulate the learning into a document, provides opportunity for using audio visual aids in presentations and enables students to overcome audience fear and become self- confident.
2 <sup>nd</sup> year B.Sc (TCFS) Core Course-IV	Traditional Textiles of India & Textile Surface Ornamentation (TCFS 401)	To acquaint the students with the traditional textiles and surface ornamentation techniques of different states of India. Students will get to have a practical knowledge on different types of Indian crafts and embroideries, using traditional, machine and computerized techniques.
2 <sup>nd</sup> year B.Sc (TCFS) Core Course-IV	Garment Manufacturing Technology (TCFS 402)	To helps students to learn the latest garment manufacturing technology that are currently practiced in the garment industry. The students will also get to know the importance of maintaining quality standards during garment production and will equip them for working in the garment industry
2 <sup>nd</sup> year B.Sc (TCFS) Core Course-IV	Apparel Construction- Men's Wear (TCFS 403)	To acquire skills in handling different kinds of fabrics used in making men's wear. This subject covers both practical and theoretical knowledge on Men's wear garment construction.
2 <sup>nd</sup> year B.Sc (TCFS) General Elective-IV	Fashion Illustration & CAD in Fashion Design (TCFS 404)	To imparts skills on practical and theoretical concept of fashion illustration. The students will learn the 2D & 3D forms through orthographic & isometric projections as well as mix media art, sketching and rendering fashion figure and postures in hand and digital software. The subject also covers the process involved in developing the concept of a collection.
2 <sup>nd</sup> year B.Sc (TCFS) Skill Enhancement Course-IV	Computer Fundamentals (TCFS 405)	To enables students to understand the basic concept of computer, internet and information system. The students can have a practical idea on spreadsheet, PowerPoint presentation, animation and webpage designing.



3 <sup>rd</sup> year B.Sc (TCFS) Core Course-V	Textile Economics & Marketing (TCFS 501)	To familiarize students with the concept of demand, laws of supply and consumer protection and standardization. This subject also covers the textile marketing concept and the various elements of marketing such as the marketing mix, pricing, advertising and promotion as well as exports concepts.
3 <sup>rd</sup> year B.Sc (TCFS) Core Course-V	Advanced Fashion Illustration & Textile Accessories (TCFS 502)	To enables students to understand the concept of prints & textures from nature to create a base for understanding design. The students will gain the skills of different dimensions and perspective. The students can develop an understanding of human figure with various views that conveys the essential basics for fashion drawing as well as design fashion accessories for men, women and children.
3 <sup>rd</sup> year B.Sc (TCFS) Discipline Specific Elective-V	Advanced Fibre Science, Smart & Intelligent Textiles (DSE (A):1)	To acquaint students with the advanced and specialty textile fibers enabling the students to understand the concept and applications of smart and intelligent textiles. The students will have an idea about various high performance fibers as well as intelligent textiles and their respective functions.
3 <sup>rd</sup> year B.Sc (TCFS) Discipline Specific Elective-V	Fashion Retail Marketing & Visual Merchandising (DSE (A):2)	To familiarize students with various marketing and merchandising procedures. The students will become familiar with the fashion retailing and brand building. The subject also covers the concept of visual merchandising, focusing on the various elements of visual displays.
3 <sup>rd</sup> year B.Sc (TCFS) Discipline Specific Elective-V	Textile Care & Conservation (DSE (A):3)	To familiarize students with the concept on care & selection of textile, focusing on laundering maintenance and conservation of textiles. It also covers the importance of museum and exhibition. The students can develop a technical and analytical skills for textile conservation.
3 <sup>rd</sup> year B.Sc (TCFS) Discipline Specific Elective-V	Project Work (Product Development & Portfolio) (DSE (A):4)	To acquire skills to work independently and therefore widen her knowledge regarding a traditional craft. It involves documentation of the traditional craft and adaptation of traditional designs to contemporary use.
3 <sup>rd</sup> year B.Sc (TCFS) Core Course-VI	Textile Testing & Quality Control (TCFS 601)	To acquaint students with both the theoretical and practical methods and techniques used in analysis of textile fibers, yarns and fabrics for end-use performance. The students will get familiar with the Apparel Total Quality Management by understanding different quality assurance practices.
3 <sup>rd</sup> year B.Sc (TCFS) Core Course-VI	Textile & Apparel Industry and Production Planning & Control (TCFS 602)	To acquaint students with the importance of textile industry in Indian economy its origin, development, organization and problems faced by the industry. It also focuses on the trade point of view of the apparel industry. The subject also covers the production planning and control focusing on the production planning and its elements.
3 <sup>rd</sup> year B.Sc (TCFS) Discipline Specific Elective-VI	Financial Management & Costing (DSE (B):1)	To enables students to understand the financial accounting and cost analysis in garment industry. Focusing on the financial management and business aspects. This subject also focuses on the budgeting and determining pricing of apparel product.
3 <sup>rd</sup> year B.Sc (TCFS) Discipline Specific Elective-VI	Grading & Draping (DSE (B):2)	To acquire skills in the basic grading and draping techniques. The students can make garment designs based on themes and develop an understanding of sizing and ability to grade patterns as well as complex garments.





3 <sup>rd</sup> year B.Sc (TCFS) Discipline Specific Elective-VI	Project Work (Fashion Show & Portfolio) (DSE (B):3)	To enable the students to apply their theoretical and practical knowledge, skill and understanding of design into a collection or range of apparel to demonstrate their creativity. The students have to work according to the theme and construct a range of garments and are geared towards working in the fashion industry.
3 <sup>rd</sup> year B.Sc (TCFS) Discipline Specific Elective-VI	Historical Costumes of the World (DSE (B):4)	To acquire skills in historic silhouettes and designs in fashion/ costumes and create awareness regarding major political, economic and social happenings in the 20 <sup>th</sup> century and its influence on the fashion industry. It also covers the ancient garments from since medieval era and also the garments worn across India according to its regions.



## Department of Interior Designing, B.Sc (Hons)

### Programme Outcomes (PO)

The Interior Designing course transforms students to designers who remodel physical spaces into functional, comfortable habitats. It moulds students into dynamic professionals imbued with knowledge, creativity, problem-solving skills, technical solutions and aesthetic vision in their learning process.

### Programme Specific Outcome (PSO)

**PSO1:** The course focuses on integrating theoretical and material knowledge while applying techniques, functions and aesthetics through creative processes.

**PSO2:** Students take advantage of a flexible elective curriculum which covers categories like landscaping, managerial skills, model making and product designing.

**PSO3:** Field visits and interactive opportunities with industrial experts prepare them with the necessary expertise to meet the needs of the industry.

**PSO4:** Students can explore a number of career paths which includes interior designer/ consultant, furniture designer, product designer, landscape expert, entrepreneur and model maker.

Class/ Paper/Semester	Title	Course Outcome
1 <sup>st</sup> year B.Sc (ID) Core Course-I	Introduction to Architecture and Introduction to Interior Design (ID 101)	The subject enables students to acquire knowledge of principles involved in planning of architectural spaces and develop understanding about building standards and features of construction regarding architectural spaces.
1 <sup>st</sup> year B.Sc (ID) Core Course-I	Basic Drawings (ID 102)	Students learn the technical skills to present drawing and to develop the concept of designing 2D & 3D views of the furniture & rooms through the subject.
1 <sup>st</sup> year B.Sc (ID) General Elective-I	Design Fundamentals (ID 103)	The subject enables the students to understand elements and principles of art and design, while learning the applications.
1 <sup>st</sup> year B.Sc (ID) Ability Enhancement Compulsory Course-I	Communication Skills and Personality Development (ID 104)	The subject equips the students with skills for effective written and oral communication.
1 <sup>st</sup> year B.Sc (ID) Core Course-II	Building Materials and Building Construction (ID 201)	Traditional and new building materials are introduced to the students which helps them to make wise selection of suitable materials for various construction and designing purposes. It enables them to compare the cost of different building materials and make worthy selection.
1 <sup>st</sup> year B.Sc (ID) Core Course-II	Colour and Lighting in Interior Design (ID 202)	The subject enables the students to understand the application and combined effect of colour and light in Interiors.
1 <sup>st</sup> year B.Sc (ID) General Elective-II	Freehand and Measured Drawings (ID 203)	The students get acquainted with visual perceptions in Free-Hand Drawings and are made aware of the importance of precision in Measured Drawings.
1 <sup>st</sup> year B.Sc (ID) Ability Enhancement Compulsory Course-II	Environmental Studies (ID 204)	The subject acquaints the students with the various aspects of environment along with its degradation and motivates them to deal with the present-day scenario.
2 <sup>nd</sup> year B.Sc (ID) Core Course-III	Advanced Building Construction and Working Drawings (ID 301)	The students are taught the use of the basic building materials and their application in built forms. They are also taught detailed working drawing for the construction team.
2 <sup>nd</sup> year B.Sc (ID) Core Course-III	Furniture Design and Construction (ID 302)	This subject makes them aware of the multiple use of furniture within the constraints of available space and various materials.

2 <sup>nd</sup> year B.Sc (ID) Core Course-III	Residential Space Planning and Design (ID 303)	Principles of Interior Design for residential spaces are taught to the students with the help of which they learn to provide adequate facilities for work, relaxation, comfort, privacy, aesthetics & maintenance.
2 <sup>nd</sup> year B.Sc (ID) General Elective-III	Computer aided Drawings I (ID 304)	Computer Software like AutoCAD and Corel Draw will help to provide the students with the basic technology to draft designs related to interiors.
2 <sup>nd</sup> year B.Sc (ID) Skill Enhancement Course-III	Term Paper and Seminar (ID 305)	This subject gives opportunity to students to work independently and develop an ability in preparing a report. This also provides an opportunity for using audio visual aids in presentation which enables students to overcome audience fear and become self-confident.
2 <sup>nd</sup> year B.Sc (ID) Core Course-IV	Building Services (ID 401)	To expose the students to the basic principles, needs and applications of the basic building services.
2 <sup>nd</sup> year B.Sc (ID) Core Course-IV	Accessories used in Interior Design (ID 402)	The students are introduced to a wide range of products to accentuate the interior finishes for walls, floors, ceilings, sanitary fittings, doors, windows etc.
2 <sup>nd</sup> year B.Sc (ID) Core Course-IV	Commercial Space Planning and Design (ID 403)	This subject helps the students in visualizing and designing spaces of commercial interiors considering the principles of designs, anthropometric data, ergonomic criteria, selection of appropriate material, aesthetics and cost and to apply them on practical case example.
2 <sup>nd</sup> year B.Sc (ID) General Elective-IV	Computer aided Drawings - 2 (ID 404)	3D Max helps students in creating Visually Aesthetic 3D views of Interior Spaces while Photoshop teaches photo editing and creation of raster images.
2 <sup>nd</sup> year B.Sc (ID) Skill Enhancement Course-IV	Computer Fundamentals (ID 405)	To provide computer skills and knowledge helping the students learn the information technology tools for PDA operations & Web Technology.
3 <sup>rd</sup> year B.Sc (ID) Core Course-V	Interior Design Codes and Presentation Techniques (ID 501)	The students are exposed to the various by-laws, duties and liabilities of a designer related to buildings & the environment. Also, introduces the students to various presentation techniques.
3 <sup>rd</sup> year B.Sc (ID) Core Course-V	Design Studio 1 (ID 502)	To acquire knowledge of basic principles involved in planning, organizing & evaluating interiors for Recreational Space.
3 <sup>rd</sup> year B.Sc (ID) Discipline Specific Elective-V	Eco friendly products in Interiors and Adaptive Reuse and Recycle (DSE (A):1)	This subject teaches the student to understand the basic needs for adaptive reuse of old heritage buildings and usage of recycled materials.
3 <sup>rd</sup> year B.Sc (ID) Discipline Specific Elective-V	Restoration and Renovation for Interiors (DSE (A):2)	Restoration and Renovation for Interiors creates awareness about need for repairs and restoration problems and the preparation of proposals for the same.
3 <sup>rd</sup> year B.Sc (ID) Discipline Specific Elective-V	Landscape (DSE (A):3)	Landscaping is taught to the students to develop an understanding about the importance of functionality and aesthetics of landscaping while Enhancing their knowledge about planning, various plant types, their care & maintenance.

3 <sup>rd</sup> year B.Sc (ID) Discipline Specific Elective-V	Project Work – I (DSE (A):4)	To provide hands-on training of Model Making with various materials.
3 <sup>rd</sup> year B.Sc (ID) Core Course-VI	Estimation, Costing, Specifications and Professional Practices (TCFS 601)	Provides Guidance for cost analysis of a product /labour. Also, to be oriented about professional aspects of Entrepreneurship.
3 <sup>rd</sup> year B.Sc (ID) Core Course-VI	Design Studio 2 (TCFS 602)	To acquire knowledge of basic principles involved in planning, organizing & evaluating interiors for Institutional Spaces.
3 <sup>rd</sup> year B.Sc (ID) Discipline Specific Elective-VI	Low-Cost Interior Design (DSE (B):1)	To help the students learn about the cost benefits and different kinds of construction finishes. It also helps students to sharpen their analytical skills in matters of material selection, efficient construction methods, space saving furniture and DIY processes.
3 <sup>rd</sup> year B.Sc (ID) Discipline Specific Elective-VI	Traditional Concepts in Interior Design (DSE (B):2)	To enable students to understand the basic principles of Vastu and Fengshui.
3 <sup>rd</sup> year B.Sc (ID) Discipline Specific Elective-VI	Project Management and Real Estate Management (DSE (B):3)	The objective lies in exposing the students to the currently prevalent techniques in the planning, programming and management of a project. Also, to make the students aware of the current issues and aspects related to Real Estate industry.
3 <sup>rd</sup> year B.Sc. ID Discipline Specific Elective-VI	Project Work 2 (DSE (B):4)	The students will learn the manufacturing and designing process of the product selected.



## Department of Human Development, B.Sc (Hons)

### Programme Outcomes (PO)

B.Sc. course in Human Development is completely based on applied sciences and meets the needs and challenges of contemporary society. This interdisciplinary field of study is devoted to the understanding of the holistic developmental changes that children, adolescents and adults experience throughout their lifespan. The course trains the students to understand human behaviour and handle problems at various stages of growth through theory-based subjects and extensive practical work are cornerstones of the course the course. A mandatory six-week internship training in the final year of study is the USP of the course.

### Programme Specific Outcome (PSO)

**PSO1:** Describe how individuals develop and change from conception to old age

**PSO2:** Relate the principles of human development with self, family and society

**PSO3:** Apply methods of teaching and training in the community

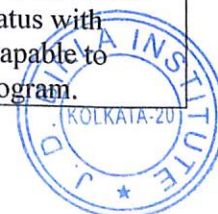
**PSO4:** Manage life crises at every stage of life span

**PSO5:** To sensitize the students to the "developmental problems" at different stages across the life span

Class/ Paper/Semester	Title	Course Outcome
1 <sup>st</sup> year B.Sc (HD) Core Course-I	Introduction to Human Development (HD 101)	Exposes the student to the field of human development and understand the cornerstones of the field. Gain knowledge of the overall developmental milestones of growth & development in all the areas of development
1 <sup>st</sup> year B.Sc (HD) Core Course-I	Methods & Techniques of Child Study-I (HD 102)	Understand the need and principles of studying child development and behaviour. Identify various scientific methods of studying children in different situations
1 <sup>st</sup> year B.Sc (HD) General Elective-I	Introduction to Psychology (HD 103)	Have an in-depth knowledge of various aspects of human behaviour and differences. The subject will develop the skill of administration, scoring, interpretation and reporting of assessment results
1 <sup>st</sup> year B.Sc (HD) Ability Enhancement Compulsory Course-I	Communication Skills & Personality Development (HD 104)	Appraise and analyse a variety of texts - fiction and non-fiction. The student will be able to independently compose written text and acquire oral communication skills to enter and function at the work place
1 <sup>st</sup> year B.Sc (HD) Core Course-II	Life Span Development (Development in Childhood & Adolescence) (HD 201)	Study the stages of child development from prenatal development up to adolescence. To make the students aware of the current issues confronting adolescents
1 <sup>st</sup> year B.Sc (HD) Core Course-II	Methods & Techniques of Child Study-II (HD 202)	Know about the various methods of research on children. Develop the skills for working with children. To be able to differentiate between ethical and unethical researches based on the appropriate principles.
1 <sup>st</sup> year B.Sc (HD) General Elective-II	Human Physiology (HD 203)	Understand and distinguish the functions of organs in the body. Comprehend the anatomy of the various organs. Get sensitized about reproductive system and functions. Elaborate the regulation of body fluids and blood parameters
1 <sup>st</sup> year B.Sc (HD) Ability Enhancement Compulsory Course-II	Environmental Studies (HD 204)	Describe ecology and environment and take active participation in environment improvement and protection. Generate ideas to deal with ecological crises. Interpret and address socio-environmental issues.



2 <sup>nd</sup> year B.Sc (HD) Core Course-III	Life Span Development (Adulthood & Aging) (HD 301)	Understand the self (stage of adolescence & emerging adulthood) through self – exploration of the developmental tasks of adolescence. Understand the aspects of the adulthood. Appraise the problems and adjustments of early and middle adulthood
2 <sup>nd</sup> year B.Sc (HD) Core Course-III	Study of the Child as an Individual (HD 302)	Follow techniques of child care and to observe and understand all domains of development of the child
2 <sup>nd</sup> year B.Sc (HD) Core Course-III	Principles of Guidance & Counseling (HD 303)	Understand the importance of guidance and counseling. Gain insights into the different skills used during counseling
2 <sup>nd</sup> year B.Sc (HD) General Elective-III	Maternal & Child Health (HD 304)	Understand the main determinants and consequences of inadequate nutrition during foetal life and provide evidence-based interventions to improve health outcomes. Acquire the knowledge and provide nutritional therapy for complications associated with pregnancy. Enable the concept of diet plan for mother and child. Understand and provide nutritional management of preterm and low birth weight babies. Competent in preparing recipes for pregnant and lactating mothers, infants and school going children
2 <sup>nd</sup> year B.Sc (HD) Skill Enhancement Course-III	Term Paper & Seminar (HD 305)	Writing a term paper will enhance the ability to plan, design and do research while adhering to ethical guidelines. To break complex problems into simpler components, scrutinize a situation, apply inductive and deductive reasoning and teach them to draw inferences
2 <sup>nd</sup> year B.Sc (HD) Core Course-IV	Approaches to Counseling & Therapy (HD 401)	Develop awareness of the various approaches to counseling. Be aware of the legal and ethical considerations in counseling
2 <sup>nd</sup> year B.Sc (HD) Core Course-IV	Social Behavior and Development (HD 402)	Understand the socio-psychological causes of human behaviour in groups and how human behaviour is influenced by others.
2 <sup>nd</sup> year B.Sc (HD) Core Course-IV	Theories of Human Development (HD 403)	Understand the importance of theories in studying the development of an individual in the different domains. Understand the development of an individual as a contextual and cultural human being, with multiple environmental influences
2 <sup>nd</sup> year B.Sc (HD) General Elective-IV	Nutritional Therapy & Dietary Control (HD 404)	Understanding the relationship between diet and disease. Gain knowledge about role of nutrition in disease management. Be able to provide nutritional advice. Plan diets to deal with chronic diseases and special needs
2 <sup>nd</sup> year B.Sc (HD) Skill Enhancement Course-IV	Computer Fundamentals (HD 405)	Optimize the use of Microsoft tools (Word Processor & Power-point). Enhance use of Power-point as a visual aid for Teaching Concepts. Develop skills required for the designing of Graphic Aids
3 <sup>rd</sup> year B.Sc (HD) Core Course-V	Community Health & Nutrition (HD 501)	Competent to create awareness among students about the nutritional problems of the community with special emphasis on vulnerable sections. Understand the deleterious effects of malnutrition in the development of the nation and means of combating the same. Analyse demographics, population dynamics and its impact on nutritional status of a country. Well-versed in the methods of assessing nutritional status with appropriate nutritional screening tools. Capable to facilitate and aid a nutrition education program.



3 <sup>rd</sup> year B.Sc (HD) Core Course-V	Early Childhood Care and Education (HD 502)	Gain an overview about the major curriculum frameworks in early childhood programs (3-8 yrs.). Develop understanding about different theories and approaches of Teaching Learning and programs for Early Childhood Care and Education in India
3 <sup>rd</sup> year B.Sc (HD) Discipline Specific Elective-V	Pre-School Education-I (DSE (A):1)	Become familiar with one curriculum model and underlying theories utilized in designing early childhood curriculum through research, observation and survey of any one preschool setting. Gain insight into the various aspects of a preschool through visits to different kinds of preschools
3 <sup>rd</sup> year B.Sc (HD) Discipline Specific Elective-V	Child Rights & Social Action (DSE (A):2)	Develop the concept of child rights and the problems faced by children. To acquaint with the policies and legislations for children
3 <sup>rd</sup> year B.Sc (HD) Discipline Specific Elective-V	Children with Special Needs (DSE (A):3)	Understand the different types of disabilities and impairments. Understand the needs of special children. Gain insights into methods of educational intervention and management of special children. Understand the nature of services provided to children in special schools. Develop awareness program and material for children with special needs
3 <sup>rd</sup> year B.Sc (HD) Discipline Specific Elective-V	Counseling Practices: Individual Counseling (DSE (A):4)	Develop the skill of rapport building before counseling sessions. Gain skills of using appropriate listening and responding techniques during counseling. Develop the skill of using techniques for counseling children. Get sensitized the need of assisting children with their emotional intelligence
3 <sup>rd</sup> year B.Sc (HD) Core Course-VI	Extension Education & Community Service (HD 601)	Be aware about the various tools of Extension Education and the techniques to use them effectively. To utilize opportunities for hands-on extension and outreach programmes
3 <sup>rd</sup> year B.Sc (HD) Core Course-VI	Family Studies (HD 602)	Understand the concept of family within the larger framework of the society, culture and global effects. Gain an insight into the dynamics of interactions and roles within the family throughout the life cycle.
3 <sup>rd</sup> year B.Sc (HD) Discipline Specific Elective-VI	Pre-School Education-II (DSE (B):1)	Design a curriculum model for early childhood/primary classrooms based on theory, research of models of early childhood curricula. Draft standards, guidelines and regulations for an early childhood centre (3-8 yrs.)
3 <sup>rd</sup> year B.Sc (HD) Discipline Specific Elective-VI	Gender Equality: Policies & Legislations (DSE (B):2)	Understand the concept of gender equality. Describe various problems and issues faced by women and the legal provisions for the same
3 <sup>rd</sup> year B.Sc (HD) Discipline Specific Elective-VI	Developmental Problems of Behavior (DSE (B):3)	Be sensitive to the developmental problems and concerns at different stages across the life span and to equip them theoretically with strategies for handling them. Be aware of the importance of early detection and intervention for children with special needs.
3 <sup>rd</sup> year B.Sc (HD) Discipline Specific Elective-VI	Counseling Practices: Group Counseling (DSE (B):4)	Understand the counseling process through case study. Become familiar with the knowledge required to provide therapeutic counseling intervention when working with young children adolescents and their parents.



## Department of Commerce, B.Com (Hons)

### Programme Outcomes (PO)

**PO1:** This program could provide Industries, Banking Sectors, Insurance Companies, Financing companies, Transport Agencies, warehousing etc., well trained professionals to meet the requirements.

**PO2:** After completing graduation, students can get skills regarding various aspects like Marketing Manager, Selling Manager, over all Administration abilities of the Company.

**PO3:** Capability of the students to make decisions at personal & professional level will increase after completion of this course.

**PO4:** Students can independently start up their own business.

**PO5:** Students can get thorough knowledge of finance and commerce.

**PO6:** The knowledge of different specializations in accounting, costing, banking and finance with the practical exposure helps the students to stand in organization.

### Programme Specific Outcome (PSO)

**PSO1:** After completing 3 years (six semesters) for B.Com Honours Students would gain a through grounding in the fundamentals of Commerce.

**PSO2:** The Commence focused curriculum offers a number of specialisation and practical exposures which would equip the student to face the modern day challenges in Commerce and Business.

**PSO3:** The all inclusive outlook of the course offer a number of value based and job oriented courses ensures that Student are trained into up to date.

**PSO4:** Student will be able to demonstrate the progress learning of various tax issue and tax reforms related to Individual. Student will able to demonstrate knowledge in setting up a computerised set of Accounting Books.

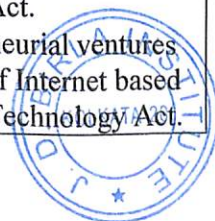
**PSO5:** Student will demonstrate progressive affective domain development of values, the role of Accounting in society and business.

**PSO6:** Student will learn relevant Financial Accounting career skills, applying both Quantitative and Qualitative Knowledge to their future career in business.

**PSO7:** Student will be able to prove proficiency with the ability to engage in competitive exams like CA, CS, CMA and other courses.

**PSO8:** Student will be able to recognise features and roles of businessmen, entrepreneur, managers, consultant which will help learners to process and other soft skills and to react aptly when confronted with critical decision making.

Class/ Paper/Semester	Title	Course Outcome
1 <sup>st</sup> year B.Com. Core Course-I	Financial Accounting (Com 101)	<ul style="list-style-type: none"> <li>Understand the theoretical framework of accounting and to prepare financial statements.</li> <li>Explain and determine depreciation and value of inventory.</li> <li>Learn accounting for hire purchase transactions, leases, branches and departments.</li> <li>Understand the concepts of partnership firm and prepare accounts for dissolution of a partnership firm.</li> <li>Develop the skill of preparation of trading and profit and loss account and balance sheet using computerized accounting.</li> </ul>
1 <sup>st</sup> year B.Com. Core Course-I	Business Law (Com 102)	<ul style="list-style-type: none"> <li>Understand basic aspects of contracts for making the agreements, contracts and subsequently enter valid business propositions.</li> <li>Be able to recognize and differentiate the special contracts and identify their appropriate usage at varied business scenarios.</li> <li>Equip the students about the legitimate rights and obligations under The Sale of Goods Act.</li> <li>Enable with skills to initiate entrepreneurial ventures as LLP understand the fundamentals of Internet based activities under The Information and Technology Act.</li> </ul>





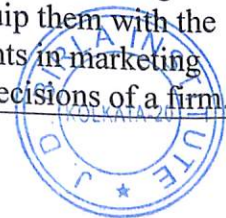
1 <sup>st</sup> year B.Com. General Elective-I	Micro Economics (Com 103)	<ul style="list-style-type: none"> <li>• Understand the economic principles and theories underlying various business decisions.</li> <li>• Apply economic reasoning to solve business problems.</li> </ul>
1 <sup>st</sup> year B.Com. Ability Enhancement Compulsory Course-I	Environmental Studies(Com 104)	<ul style="list-style-type: none"> <li>• Understand basic ideas about environment and emerging issues about environmental problems.</li> <li>• Develop awareness about the need and importance of environmental protection.</li> </ul>
1 <sup>st</sup> year B.Com. Core Course-II	Cost Accounting (Com 201)	<ul style="list-style-type: none"> <li>• Develop an understanding of accounting for share capital and debentures.</li> <li>• Prepare financial statements of a company.</li> <li>• Develop an understanding of cash flow statements</li> <li>• Understand the accounting for amalgamation and liquidation of companies.</li> <li>• Prepare consolidated balance sheet for Holding company.</li> </ul>
1 <sup>st</sup> year B.Com. Core Course-II	Corporate Law (Com 202)	<ul style="list-style-type: none"> <li>• To impart basic knowledge of the provisions of the Companies Act 2013 and the Depositories Act, 1996. Case studies involving issues in corporate laws are required to be discussed.</li> </ul>
1 <sup>st</sup> year B.Com General Elective-II	Macro Economics (Com 203)	<ul style="list-style-type: none"> <li>• Understand basic concept of Macro Economics and its application.</li> <li>• Apply economic reasoning to solve problems of the economy.</li> </ul>
1 <sup>st</sup> year B.Com Ability Enhancement Compulsory Course-II	Business Communication, Personality Development & Soft Skills (Com 204)	<ul style="list-style-type: none"> <li>• Realize the significance of effective communication in business.</li> <li>• Gain knowledge on drafting of official letters and documents.</li> <li>• Develop appropriate skills for report writing and different ways of documentation.</li> <li>• Understand the role of information technology for enabling business communication and documentation.</li> </ul>
2 <sup>nd</sup> year B.Com Core Course-III	Human Resource Management (Com 301)	<ul style="list-style-type: none"> <li>• Understand basic nature and importance of human resource management.</li> <li>• Analyze the current theory and practice of recruitment and selection.</li> <li>• Realize the importance of performance management system in enhancing employee performance.</li> <li>• Recommend actions based on results of the compensation analysis and design compensation schemes that are cost effective, that increase productivity of the workforce, and comply with the legal framework.</li> <li>• Understand role of modern HRM in meeting challenges of changing business environment.</li> </ul>



2 <sup>nd</sup> year B.Com Core Course-III	Income Tax & GST: Law & Practices (Com 302)	<ul style="list-style-type: none"> <li>• Understand the basic concepts in the law of income tax and determine the residential status of different persons.</li> <li>• Identify the five heads in which income is categorized and compute income under the heads 'Salaries' and 'Income from House Property'.</li> <li>• Compute income under the head 'Profits and gains of business or profession', 'Capital gains' and 'Income from other sources'.</li> <li>• Understand clubbing provisions, aggregate income after set-off and carry forward of losses, and deductions allowed under the Income Tax Act; and further to compute taxable income and tax liability of individuals and firms.</li> <li>• Develop the ability to file online returns of income.</li> </ul>
2 <sup>nd</sup> year B.Com Core Course-III	Management Principles & Application (Com 303)	<ul style="list-style-type: none"> <li>• Understand the evolution of management and apprehend its effect on future managers.</li> <li>• Analyze how organizations adapt to an uncertain environment and decipher decision making techniques managers use to influence and control the internal environment.</li> <li>• Comprehend the changes happening in organization structure over time.</li> <li>• Analyze the relationship amongst functions of management i.e. planning, organizing, directing and controlling.</li> <li>• Appreciate the changing dynamics of management practice.</li> </ul>
2 <sup>nd</sup> year B.Com General Elective- III	Business Statistics (Com 304)	<ul style="list-style-type: none"> <li>• Acquire a fair degree of proficiency in comprehending statistical data, processing and analyzing it using descriptive statistical tools.</li> <li>• Gather knowledge about various probability concepts and distributions and their business applications.</li> <li>• Understand the relationship between two variables using concepts of correlation and regression and its use in identifying and predicting the variables.</li> <li>• Develop an understanding of the index numbers and their utility in daily life and stock market.</li> <li>• Become aware of the patterns revealed by the time series data and to use it to make up.....</li> </ul>
2 <sup>nd</sup> year B.Com Skill Enhancement Course-III	Term Paper & Seminar (Com 305)	<ul style="list-style-type: none"> <li>• Conduct independent research work under mentors.</li> </ul>
2 <sup>nd</sup> year B.Com Core Course-IV	Corporate Accounting (Com 401)	<ul style="list-style-type: none"> <li>• Develop an understanding of accounting for share capital and debentures.</li> <li>• Prepare financial statements of a company.</li> <li>• Develop an understanding of cash flow statements</li> <li>• Understand the accounting for amalgamation and liquidation of companies.</li> <li>• Prepare consolidated balance sheet for Holding company.</li> </ul>



2 <sup>nd</sup> year B.Com Core Course-IV	Business Mathematics (Com 402)	<ul style="list-style-type: none"> <li>• Comprehend the concept of systematic processing and interpreting the information in quantitative terms to arrive at an optimum solution to business problems.</li> <li>• Develop proficiency in using different mathematical tools (matrices, calculus, linear programming, and mathematics of finance) in solving daily life problems.</li> <li>• Acquire competence to use computer for mathematical computations, especially with big data.</li> <li>• Obtain critical thinking and problem-solving aptitude.</li> <li>• Evaluate the role played by mathematics in the world of business and economy.</li> </ul>
2 <sup>nd</sup> year B.Com Core Course-IV	Entrepreneurship Development (Com 403)	<ul style="list-style-type: none"> <li>• Understand the concept of entrepreneurship in the context of Indian economic scenario.</li> <li>• Link the individual's capability and strength as a guiding factor towards entrepreneurial orientation.</li> <li>• Understand social support system for gaining strength towards entrepreneurial preferences.</li> <li>• Understand entrepreneurial process for initiating new venture creation.</li> <li>• Understand various dimensions of managing a business enterprise once it is formed.</li> </ul>
2 <sup>nd</sup> year B.Com General Elective- IV	Indian Economy (Com 404)	<ul style="list-style-type: none"> <li>• Understand different concepts related to growth and development.</li> <li>• Evaluate the performance of Indian Economy during pre and post globalization period.</li> </ul>
2 <sup>nd</sup> year B.Com Skill Enhancement Course-IV	ICT in Business including E-commerce (Com 405)	<ul style="list-style-type: none"> <li>• Understand the basics of E-commerce, current and emerging business models.</li> <li>• Familiarize with basic business operations such as sales, marketing, HR etc. on the web.</li> <li>• Enhance the students' skills for designing and developing website.</li> <li>• Identify the emerging modes of e-payment.</li> <li>• Understand the importance of security, privacy, ethical and legal issues of e-commerce.</li> </ul>
3 <sup>rd</sup> year B.Com Core Course-V	Principle of Marketing (Com 501)	<ul style="list-style-type: none"> <li>• Develop understanding of basic concepts of marketing, marketing philosophies and environmental conditions effecting marketing decisions of a firm.</li> <li>• Understand the dynamics of consumer behaviour and process of market selection through STP stages.</li> <li>• Understand and analyze the process of value creation through marketing decisions involving product development.</li> <li>• Understand and analyze the process of value creation through marketing decisions involving product pricing and its distribution.</li> <li>• Understand and analyze the process of value creation through marketing decisions involving product promotion and also to equip them with the knowledge of various developments in marketing area that may govern marketing decisions of a firm.</li> </ul>



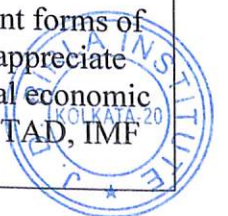
3 <sup>rd</sup> year B.Com Core Course-V	Fundamentals of Financial Management (Com 502)	<ul style="list-style-type: none"> <li>• Explain the nature and scope of financial management as well as time value of money and risk return trade off.</li> <li>• Analyze capital budgeting process and capital budgeting techniques Estimate various capital structure theories and factors affecting capital structure decisions in a firm.</li> <li>• Critically examine various theories of dividend and factors affecting dividend policy.</li> <li>• Evaluate working capital requirement.</li> </ul>
3 <sup>rd</sup> year B.Com Discipline Specific Elective-V	Management Accounting (DSE (A):1)	<ul style="list-style-type: none"> <li>• Understand thoroughly the conceptual framework of Management Accounting; identification of differences between different forms of accounting— Financial, Cost and Managerial; distinction between cost control and cost reduction.</li> <li>• Understand the concept of marginal cost and marginal costing; preparation of income statements using absorption and variable costing; learning of cost-volume-profit analysis and break-even analysis using mathematical and graphical approaches; and the application in businesses.</li> <li>• Understand the concept of relevant and irrelevant costs and make decisions related to different business situations using marginal costing and differential costing techniques.</li> <li>• Understand budgetary control system as a tool of managerial planning and control; ability to prepare various types of budget.</li> <li>• Ability to understand standard costing system as a tool of managerial control; calculation of variances in respect of each element of cost and sales; control ratios.</li> <li>• Understand management accounting issues of Responsibility accounting, Divisional performance measurement and Transfer pricing.</li> </ul>
3 <sup>rd</sup> year B.Com Discipline Specific Elective-V	Corporate Tax Planning (DSE (A):2)	<ul style="list-style-type: none"> <li>• Differentiate between various tax planning concepts and understand the procedure of assessment of corporate assesses.</li> <li>• Devise strategies for tax planning in respect of a new business, understand the specific tax issues for start-ups, and comprehend the Income Tax provisions relevant for financial management decisions.</li> <li>• Decipher the tax factors relevant for managerial decisions and to understand how to develop pay packages for employees.</li> <li>• Recognize the relevant Tax provisions for Non-resident Indians and to understand how to claim relief in case of double taxation of income.</li> <li>• Understand tax planning with reference to business restructuring</li> </ul>



3 <sup>rd</sup> year B.Com Discipline Specific Elective-V	Accounting Theory & Standards (DSE (A):3)	<ul style="list-style-type: none"> <li>• Understand different schedules with reference to final accounts of Banking Companies.</li> <li>• Understand financial statement of Life Insurance Company.</li> <li>• Understand financial statement of General Insurance Company.</li> </ul>
3 <sup>rd</sup> year B.Com Discipline Specific Elective-V	Banking & Insurance (DSE (A):4)	<ul style="list-style-type: none"> <li>• Understand the meaning and scope of Banking with functions of Banks and their role into banking.</li> <li>• Familiarize with regard to operations of Banking and various services and benefits.</li> <li>• Develop insights on lending operations of banking and causes of NPA into banking sector.</li> <li>• Acquaint with the concept of Insurance through functions and fundamental principles of Insurance.</li> <li>• Understand the types of Insurance and Regulatory framework of Insurance.</li> </ul>
3 <sup>rd</sup> year B.Com Discipline Specific Elective-V	Consumer Affairs & Customer Care (DSE (A):5)	<ul style="list-style-type: none"> <li>• Understand the importance of consumer buying process and to identify the ethical and legal issues in advertisements and in packaging.</li> <li>• Learn how to pursue the consumer rights under consumer protection act 1986.</li> <li>• Understand the procedure of filing a complaint.</li> <li>• Analyze the role of industry regulators in consumer protection.</li> <li>• Comprehend the hearings, enquiry and appeal provisions.</li> </ul>
3 <sup>rd</sup> year B.Com Discipline Specific Elective-V	Financial Markets, Institutions & Financial Services (DSE (A):6)	<ul style="list-style-type: none"> <li>• Understand the meaning and scope of financial markets as well as institutions in India.</li> <li>• Understand the concepts of Money Market and Capital Market.</li> <li>• Explain Commercial Banking and its Current developments.</li> <li>• Explain concept of Non-Banking Financial Companies (NBFC's)</li> <li>• Examine the Financial Services Industry.</li> </ul>
3 <sup>rd</sup> year B.Com Core Course-VI	Auditing & Corporate Governance (Com 601)	<ul style="list-style-type: none"> <li>• Differentiate between different aspects of auditing especially for internal check, internal control and for overall corporate governance.</li> <li>• Understand the concept of corporate governance in organizations and its essence for management.</li> <li>• Provide and assimilate information leading to failure of organization and corporate scams.</li> <li>• Comprehend the governance framework for an organization provided by different regulatory bodies in India and Abroad.</li> <li>• Recognize the essence of ethics in business.</li> </ul>



3 <sup>rd</sup> year B.Com Core Course-VI	Financial Statement Analysis (Com 602)	<ul style="list-style-type: none"> <li>• Describe the conceptual framework of financial reporting have an understanding the components of financial statements.</li> <li>• Identify major disclosures to be made in the annual report by the listed companies.</li> <li>• Explain techniques of analysis of financial statements.</li> <li>• Analyze and interpret financial statements of companies using the case study method.</li> <li>• Gain understanding of emerging areas in financial reporting - Accounting for E-commerce business, value added statements and Integrated Reporting.</li> </ul>
3 <sup>rd</sup> year B.Com Discipline Specific Elective-VI	Fundamentals of Investment (DSE (B):1)	<ul style="list-style-type: none"> <li>• Explain investment environment and concept of return &amp; risk.</li> <li>• Understand bond valuation &amp; role of credit rating agencies.</li> <li>• Examine equity approaches.</li> <li>• Analyze two securities portfolio using Harry Markowitz model, Calculating portfolio risk and return, explaining CAPM and evaluating Mutual Funds and Financial derivatives.</li> <li>• Evaluate investors protection framework</li> </ul>
3 <sup>rd</sup> year B.Com Discipline Specific Elective-VI	Integrated Marketing Communication (DSE (B):2)	<ul style="list-style-type: none"> <li>• To understand the principles and practices of marketing communications, involving tools used by marketers to inform consumers and to provide a managerial framework for integrated marketing communications planning.</li> </ul>
3 <sup>rd</sup> year B.Com Discipline Specific Elective-VI	Advanced Financial Management (DSE (B):3)	<ul style="list-style-type: none"> <li>• To demonstrate the applicability of the concept of Financial Management to understand the managerial Decisions and Corporate Capital Structure.</li> <li>• To apply the Leverage and EBIT EPS Analysis associate with Financial Data in the corporate.</li> <li>• To analyze the complexities associated with management of cost of funds in the capital structure.</li> <li>• To demonstrate how the concepts of financial management and investment, financing and dividend policy decisions could integrate while identification and resolution of problems pertaining to LSCM Sector.</li> <li>• To demonstrate how risk is assessed.</li> </ul>
3 <sup>rd</sup> year B.Com Discipline Specific Elective-VI	International Business (DSE (B):4)	<ul style="list-style-type: none"> <li>• Understand the process of globalization, its impact on the evolution and growth of international business and to appreciate the changing dynamics of the diverse international business environment.</li> <li>• Analyze the theoretical dimensions of international trade and intervention measures adopted; to appreciate the significance of different forms of regional economic integration and to understand the concept of balance of payment account and its components.</li> <li>• Understand the significance of different forms of regional economic integration and to appreciate the role played by various international economic organizations such as the WTO, UNCTAD, IMF and World Bank.</li> </ul>



		<ul style="list-style-type: none"> <li>• Familiarize students with the international financial environment, and get them acquainted with the basic features of the foreign exchange market – its characteristics and determinants.</li> <li>• Critically examine the concept and form of foreign direct investment, and to create awareness about emerging issues in international business such as outsourcing and ecological issues.</li> </ul>
3 <sup>rd</sup> year B.Com Discipline Specific Elective-VI	Industrial Relations & Labour Laws (DSE (B):5)	<ul style="list-style-type: none"> <li>• Understand evolution of industrial relations and its significance in managerial world.</li> <li>• Imbibe how to interact, negotiate and transact with trade unions.</li> <li>• To acquaint with the basic framework of collective bargaining and workers' participation.</li> <li>• Design and understand the discipline measures and address grievance mechanisms.</li> <li>• Understand the legal structure provided for grievance handling under the Industrial Disputes Act 1947 provisions.</li> </ul>
3 <sup>rd</sup> year B.Com Discipline Specific Elective-VI	Business Research Methods & Project Work (DSE (B):6)	<ul style="list-style-type: none"> <li>• Understand different concepts related to business research and the methods of business research.</li> <li>• To learn about collection, analysis, presentation and interpretation of data.</li> </ul>



## Department of Management, BBA

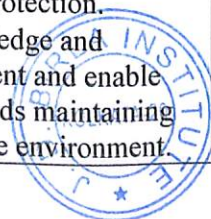
### Programme Outcomes (PO)

The BBA program provides a wide knowledge of training in the different disciplines of management and helps in the development of leadership skills. It helps to prepare students to apply knowledge of management theories and practices to solve business problems. This course is specifically designed to encourage analytical and critical thinking abilities required for business decision making. The program tries to enable students to effectively communicate business issues, management concepts, plans and decisions both in oral and written form using appropriate supportive technologies, and use appropriate techniques to effectively manage business challenges. This program also promotes ethical and value-based leadership ability to prepare the students for managerial and entrepreneurial roles in future.

### Programme Specific Outcome (PSO)

**PSO:** The BBA program helps students to develop the ability to define and analyze the solutions for different business issues using logical reasoning patterns for evaluating information, materials, and data for practical implementation. Students of this course learn the importance of professional ethics and responsibilities. This program teaches students how to conceptualize a complex issue into a coherent observation, and provide verbal reasoning (both written and oral), interpret data (empirical and graphical), and communicate skilfully to solve business problems and make appropriate decisions. It also teaches the student to perform effectively as a member or a leader, individually, or in groups, in diverse situations. This program provides student with an opportunity gain practical exposure towards the workplace and make them industry ready

Class/ Paper/Semester	Title	Course Outcome
1 <sup>st</sup> year BBA Core Course-I	Fundamentals of Management & Organizational Behaviour (MAN 101)	<ul style="list-style-type: none"> <li>• Have a basic understanding of different functions of Management and practice the process of management's functions like planning, organizing etc.</li> <li>• Discuss and communicate the management evolution and current practice of management</li> <li>• Understand the different concepts of organizational behaviour and its application to improve the effectiveness of the business.</li> </ul>
1 <sup>st</sup> year BBA Core Course-I	Business Mathematics (MAN 102)	<ul style="list-style-type: none"> <li>• Develop scientific ability and to critically evaluate mathematical problems.</li> <li>• Learn about modern trends in mathematics and to apply them in management studies.</li> </ul>
1 <sup>st</sup> year BBA General Elective-I	Entrepreneurship Development (MAN 103)	<ul style="list-style-type: none"> <li>• Have the ability to discern distinct entrepreneurial traits</li> <li>• Know the parameters to assess opportunities and constraints for new business ideas</li> <li>• Understand the systematic process to select and screen a business idea</li> <li>• Design strategies for successful implementation of ideas and write business plan.</li> </ul>
1 <sup>st</sup> year BBA Ability Enhancement Compulsory Course-I	Environmental Science (MAN 104)	<ul style="list-style-type: none"> <li>• To enable the students to acquire basic ideas about environment.</li> <li>• To make them aware about the need and importance of environmental protection.</li> <li>• To help them to develop knowledge and understanding of the environment and enable the students to contribute towards maintaining and improving the quality of the environment</li> </ul>





1 <sup>st</sup> year BBA Core Course-II	Managerial Economics (MAN 201)	<ul style="list-style-type: none"> <li>• Understand the roles of managers in firms.</li> <li>• Analyze the demand and supply conditions and assess the position of a company.</li> <li>• Design competition strategies, including pricing, product differentiation, and market environment according to the natures of products and the structures of the markets.</li> </ul>
1 <sup>st</sup> year BBA Core Course-II	Business Accounting (MAN 202)	<ul style="list-style-type: none"> <li>• Demonstrate the applicability of the concept of Accounting to understand the managerial Decisions and financial statements</li> <li>• Apply the Financial Statement Analysis associate with Financial Data in the organization.</li> <li>• Analyze the complexities associated with management of cost of product and services in the Organization</li> </ul>
1 <sup>st</sup> year BBA General Elective-II	Ethics & Corporate Social Responsibility (MAN 203)	<ul style="list-style-type: none"> <li>• Understand business ethics and CSR.</li> <li>• Understand Ethical and social responsibility sensitivity.</li> <li>• Analyzing and assessing various ethical situations in society.</li> <li>• Understand and create organizational and management strategies in facilitating ethical socially responsible decision making.</li> </ul>
1 <sup>st</sup> year BBA Ability Enhancement Compulsory Course-II	Business Communication (MAN 204)	<ul style="list-style-type: none"> <li>• Understand the perquisites to Business Communication.</li> <li>• Learn effective organizational communication.</li> </ul>
2 <sup>nd</sup> year BBA Core Course-III	Macro Economics (MAN 301)	<ul style="list-style-type: none"> <li>• Apply elementary theoretical foundation of key issues and policies.</li> <li>• Able to discuss the functional relationships between aggregates.</li> <li>• Understand the overall structure of the economy in theoretical and contemporary perspectives.</li> </ul>
2 <sup>nd</sup> year BBA Core Course-III	Principles of Marketing (MAN 302)	<ul style="list-style-type: none"> <li>• Develop customer relationships and value through marketing.</li> <li>• Link marketing and corporate strategies.</li> <li>• Demonstrate the ability to critically evaluate marketing program from consumer and marketing practitioner viewpoints, including consideration of ethical implications.</li> </ul>
2 <sup>nd</sup> year BBA Core Course-III	Management Accounting (MAN 303)	<ul style="list-style-type: none"> <li>• To understand the basic concepts of management accounting.</li> <li>• To understand the analysis of financial statements by using various methods.</li> <li>• To enable the students to understand different ratios used for analyzing financial statements organization.</li> <li>• To helps the students to prepare the cash flow statement required for the business.</li> </ul>
2 <sup>nd</sup> year BBA General Elective-III	Project & Operations Management (MAN 304)	<ul style="list-style-type: none"> <li>• Understand the basic concepts like goods, types of goods, production, production process etc. In manufacturing sector.</li> <li>• Discuss the emerging manufacturing technologies like CAD, CAM and its role in developing business strategy.</li> <li>• Express the concepts like quality control, Six Sigma, ergonomics, industrial safety etc.</li> </ul>



2 <sup>nd</sup> year BBA Skill Enhancement Course-III	IT Tools for Business (MAN 305)	<ul style="list-style-type: none"> <li>• To understand the basic concepts and functional knowledge in the field of IT.</li> <li>• To expose the students to computer application in the field of Business.</li> <li>• Expose themselves to the innovations in information technology and its potential application in business.</li> </ul>
2 <sup>nd</sup> year BBA Core Course-IV	Statistics for Business Decisions (MAN 401)	<ul style="list-style-type: none"> <li>• Gain understanding of statistical techniques as is applicable to business.</li> <li>• To apply statistical techniques for quantification of data in business.</li> <li>• To develop the skill for applying appropriate statistical tools and techniques in different business situations.</li> </ul>
2 <sup>nd</sup> year BBA Core Course-IV	Human Resource Management (MAN 402)	<ul style="list-style-type: none"> <li>• To develop the understanding of the concept of human resource management its relevance in organizations.</li> <li>• To develop necessary skill set for application of various HR issues.</li> <li>• To analyze the strategic issues and strategies required to select and develop manpower resources.</li> </ul>
2 <sup>nd</sup> year BBA Core Course-IV	Financial Management (MAN 403)	<ul style="list-style-type: none"> <li>• To understand various concepts related to financial management</li> <li>• To study in detail, various tools and techniques in the area of finance.</li> <li>• To develop the analytical skills this would facilitate the decision making in Business situations.</li> </ul>
2 <sup>nd</sup> year BBA General Elective-IV	Tax Planning (MAN 404)	<ul style="list-style-type: none"> <li>• Familiarize with Income Tax Act, 1961</li> <li>• Understand the basic concept and definition of Income Tax act and the heads of income.</li> <li>• Familiarize with concept of tax planning and management.</li> <li>• Understand the concept of GST.</li> </ul>
2 <sup>nd</sup> year BBA Skill Enhancement Course-IV	E-Commerce (MAN 405)	<ul style="list-style-type: none"> <li>• Understand the concept of electronic commerce</li> <li>• Familiarize the mechanism of conducting business transactions through electronic media</li> <li>• Analyze Internet marketing techniques.</li> </ul>
3 <sup>rd</sup> year BBA Core Course-V	Quantitative Techniques for Management (MAN 501)	<ul style="list-style-type: none"> <li>• Identify, formulate and solve Linear Programming Problems graphically, mathematically.</li> <li>• Solve optimization problems like transportation and assignment problem mathematically.</li> <li>• Develop critical thinking and use PERT and CPM techniques to improve decision making</li> </ul>
3 <sup>rd</sup> year BBA Core Course-V	Legal Aspects of Business (MAN 502)	<ul style="list-style-type: none"> <li>• Appreciate the importance of law and legal institutions in business.</li> <li>• To have a basic understanding of the laws relating to contract, consumer protection, competition, companies and dispute resolution.</li> </ul>
3 <sup>rd</sup> year BBA Discipline Specific Elective (Finance)-V	International Finance (DSE (A1):1)	<ul style="list-style-type: none"> <li>• Familiarize with the operations in foreign exchange markets.</li> <li>• To sensitize students with complexities of managing finance of multinational firm.</li> <li>• To highlight the importance of the regulatory framework within which international financial transactions can take place, with special reference to India.</li> </ul>

3 <sup>rd</sup> year BBA Discipline Specific Elective (Finance)-V	Investment Analysis & Portfolio Management (DSE (A1):2)	<ul style="list-style-type: none"> <li>• Demonstrate a basic understanding of investments and the nuances of investing.</li> <li>• Exhibit the acquaintance of the securities market and its constituents.</li> <li>• Apply knowledge gained to perform analysis (risk-return parameter) of various securities.</li> </ul>
3 <sup>rd</sup> year BBA Discipline Specific Elective (Marketing)-V	Retail Management (DSE (A2):1)	<ul style="list-style-type: none"> <li>• Understand the functions of retail business and various retail formats and retail channels.</li> <li>• Explain the design, implementation, and assessment of retailing strategies based on consumer needs and market changes.</li> </ul>
3 <sup>rd</sup> year BBA Discipline Specific Elective (Marketing)-V	Marketing of Services (DSE (A2):2)	<ul style="list-style-type: none"> <li>• To equip the students with the knowhow of service industry and creating an environment of recognizing service in modern era of management and bifurcate goods along with service.</li> </ul>
3 <sup>rd</sup> year BBA Discipline Specific Elective (Human Resource Management)-V	HRD: Systems and Strategies (DSE (A3):1)	<ul style="list-style-type: none"> <li>• To familiarize the students about the procedures and practices applied for the manpower training and placement.</li> </ul>
3 <sup>rd</sup> year BBA Discipline Specific Elective (Human Resource Management)-V	Management of Industrial Relations (DSE (A3):2)	<ul style="list-style-type: none"> <li>• To familiarize with the role of management and unions in the promotions of industrial relations.</li> <li>• Examine the labour relation issues and its management.</li> <li>• To acquire skills in handling employer-employee relations.</li> </ul>
3 <sup>rd</sup> year BBA Core Course-VI	Business Policy & Strategy (MAN 601)	<ul style="list-style-type: none"> <li>• Demonstrate a clear understanding of the concepts, tools &amp; techniques used by executives in developing and executing strategies and will appreciate its integrative and interdisciplinary nature.</li> <li>• Demonstrate effective application of concepts, tools &amp; techniques to practical situations for diagnosing and solving organizational problems through case studies.</li> </ul>
3 <sup>rd</sup> year BBA Core Course-VI	Management Information System (MAN 602)	<ul style="list-style-type: none"> <li>• To understand the basic concepts and technologies used in the field of management information systems.</li> <li>• To have the knowledge of the different types of management information systems.</li> <li>• To understand the processes of developing and implementing information systems.</li> <li>• Be aware of the ethical, social, and security issues of information systems.</li> </ul>
3 <sup>rd</sup> year BBA Discipline Specific Elective (Finance)-VI	Business Analysis & Valuation (DSE (B1):1 )	<ul style="list-style-type: none"> <li>• To apply an economic framework enabling them to analyze a firm's expected performance.</li> <li>• Familiarize with the practical and theoretical application of core valuation methodologies.</li> </ul>
3 <sup>rd</sup> year BBA Discipline Specific Elective (Finance)-VI	Research Project (Finance) (DSE (B1):2)	<ul style="list-style-type: none"> <li>• To be able to complete a Research project on a topic with respect to the field of finance. Students shall select the topic of the research in consultation with the faculty supervisor.</li> </ul>
3 <sup>rd</sup> year BBA Discipline Specific Elective (Marketing)-VI	Distribution & Supply Chain Management (DSE (B2):1)	<ul style="list-style-type: none"> <li>• Develop an understanding of the importance of distribution and supply chain in the formulation of the business strategy.</li> <li>• Strengthen integrative management analytical and problem-solving skills.</li> </ul>



3 <sup>rd</sup> year BBA Discipline Specific Elective (Marketing)-VI	Research Project (Marketing) (DSE (B2):2)	<ul style="list-style-type: none"> <li>• To be able to complete a Research project on a topic with respect to the field of marketing. Students shall select the topic of the research in consultation with the faculty supervisor.</li> </ul>
3 <sup>rd</sup> year BBA Discipline Specific Elective (Human Resource Management)-VI	Performance and Compensation Management (DSE (B3):1)	<ul style="list-style-type: none"> <li>• Recognize how pay decisions help the organization achieve a competitive advantage.</li> <li>• Analyze, integrate, and apply the knowledge to solve compensation related problems in organizations.</li> <li>• To understand the relationship between compensation and performance of the organization.</li> </ul>
3 <sup>rd</sup> year BBA Discipline Specific Elective (Human Resource Management)-VI	Research Project (Human Resource Management) (DSE (B3):2)	<ul style="list-style-type: none"> <li>• To be able to complete a Research project on a topic with respect to the field of human resource management. Students shall select the topic of the research in consultation with the faculty supervisor.</li> </ul>



## Department of Food Science & Nutrition Management, M.Sc (Food & Nutrition)

### Programme Outcomes (PO)

**PO1: Scientific Knowledge:** Utilization of knowledge of nutrition & dietetics in disease management and prevention for the welfare of the community.

**PO2: Food Handling & Safety:** Implementation of strategies for food access, food toxicity, procurement, preparation, and safety for all fields of food & nutrition.

**PO3: Critical Thinking:** Able to apply technical skills, knowledge of health behavior, clinical judgment, and decision-making skills when assessing and evaluating the nutritional status of individuals and communities and their response to nutrition intervention.

**PO4: Problem Solving:** Utilize research methodology and project work to infer and interpret data in order to provide valid conclusions and solutions.

**PO5: Practical exposures:** Identify and equip learners to face the modern-day challenges in the industry.

### Programme Specific Outcome (PSO)

**PSO1:** Excel as academicians and research personnel.

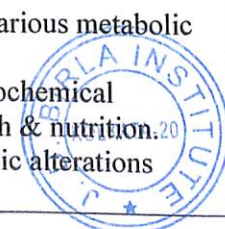
**PSO2:** Develop comprehensive and analytical skills in food industries and health sectors.

**PSO3:** Take up professions in community upliftment programmes.

**PSO4:** Gain insight in public health nutrition for employment in state and central government.

**PSO5:** Professionally competent to take up careers in academics, health care and service industry.

Class/ Paper/Semester	Title	Course Outcome
1 <sup>st</sup> year M.Sc (FN)-I	Statistics-I (MFN101)	<p><b>CO1:</b> Design the tools for collection; identify the samples, interpretation of data with the use of tables and pictorial representations.</p> <p><b>CO2:</b> Apply the knowledge in representing the data and interpreting appropriate results.</p> <p><b>CO3:</b> Competent to select appropriate statistical tools to investigate a research hypothesis.</p> <p><b>CO4:</b> Assess the numerical data for providing statistical evidences to support the research results.</p> <p><b>CO5:</b> Identify limitations to statistical results and avoid misleading quantitative analysis.</p>
1 <sup>st</sup> year M.Sc (FN)-I	Functional Foods (MFN102)	<p><b>CO1:</b> Well-versed with different probiotic and prebiotic foods.</p> <p><b>CO2:</b> Describe the functionality of antioxidants.</p> <p><b>CO3:</b> Application of functional foods in various fields.</p> <p><b>CO4:</b> Assess and analyze the bioactive components present in foods.</p> <p><b>CO5:</b> Describe and prescribe the therapeutic use of functional foods.</p>
1 <sup>st</sup> year M.Sc (FN)-I	Food Toxicology (MFN103)	<p><b>CO1:</b> Study different types of toxins in food.</p> <p><b>CO2:</b> Understand the mechanism of the toxins.</p> <p><b>CO3:</b> Aware about the toxins in food from processing conditions.</p> <p><b>CO4:</b> Updated on the toxin estimation protocols.</p> <p><b>CO5:</b> Learn about assessing risk and detoxification strategies.</p>
1 <sup>st</sup> year M.Sc (FN)-I	Nutritional Biochemistry (MFN104)	<p><b>CO1:</b> Well-versed in the structure and biochemistry of important nutrients.</p> <p><b>CO2:</b> Identify the importance of enzymes and biological oxidation.</p> <p><b>CO3:</b> Assess the interaction between various metabolic pathways.</p> <p><b>CO4:</b> Understand the application of biochemical knowledge to problems of human health &amp; nutrition.</p> <p><b>CO5:</b> Understand the effect of metabolic alterations towards the development of a disease.</p>



1 <sup>st</sup> year M.Sc (FN)-I	Nutritional Biochemistry (MFNP105)	<p><b>CO1:</b> Identify biochemical constituents of biological samples.</p> <p><b>CO2:</b> Appraise skills in handling different instruments and glassware used in the laboratory and learn their maintenance.</p> <p><b>CO3:</b> Explain the normal and abnormal constituents present in biological samples.</p> <p><b>CO4:</b> Understand the importance of biochemistry in solving problems of human health and nutrition.</p> <p><b>CO5:</b> Appraise skills in the different techniques involved in the collection and analysis of biological samples.</p>
1 <sup>st</sup> year M.Sc (FN)-I	Computer Application and Information Communication Technology (MFNP106)	<p><b>CO1:</b> Optimize the use of Microsoft Office tools.</p> <p><b>CO2:</b> Enhance use of PowerPoint as a visual aid for effective communication.</p> <p><b>CO3:</b> Skills developed to design audio-visual aids.</p> <p><b>CO4:</b> Use of technology to optimize learning and communication.</p> <p><b>CO5:</b> Understand basic concepts of creating multimedia applications and websites.</p>
1 <sup>st</sup> year M.Sc (FN)-II	Statistics-II (MFN201)	<p><b>CO1:</b> Apply statistical tools to ensure reliability and validity of data.</p> <p><b>CO2:</b> Assess the numerical data for providing statistical evidences to support the research results.</p> <p><b>CO3:</b> Perform statistical analysis.</p> <p><b>CO4:</b> Interpret and justify the research findings.</p> <p><b>CO5:</b> Present research data in a scientific manner.</p>
1 <sup>st</sup> year M.Sc (FN)-II	Research Methodology (MFN202)	<p><b>CO1:</b> Provide foundation knowledge of research methods used in Food Science &amp; Nutrition.</p> <p><b>CO2:</b> Competent in selecting an appropriate research design, and implementing a research project.</p> <p><b>CO3:</b> Developed awareness about the skills in report writing and research paper.</p> <p><b>CO4:</b> Capable to convert a problem description into testable research hypotheses.</p> <p><b>CO5:</b> Insights in the concepts and procedures of sampling, data collection, analysis and reporting.</p>
1 <sup>st</sup> year M.Sc (FN)-II	Clinical Nutrition (MFN203)	<p><b>CO1:</b> Insights on the interaction between nutrition and diseases.</p> <p><b>CO2:</b> Competent to plan therapeutic diets.</p> <p><b>CO3:</b> Well-versed with specific nutrients for management of diseases.</p> <p><b>CO4:</b> Insights on the complications of various diseases and their nutritional management.</p> <p><b>CO5:</b> Updated knowledge in the recent advances in the area of clinical nutrition.</p>
1 <sup>st</sup> year M.Sc (FN)-II	Clinical Nutrition (MFNP204)	<p><b>CO1:</b> Insights on the interaction between nutrition and diseases.</p> <p><b>CO2:</b> Competent to plan and prepare therapeutic diets.</p> <p><b>CO3:</b> Utilize specific nutrients for management of diseases.</p> <p><b>CO4:</b> Competent to interpret and apply nutrition concepts to evaluate and improve the nutritional health of diseased individuals</p> <p><b>CO5:</b> Updated knowledge in the recent advances in the area of clinical nutrition.</p>



1 <sup>st</sup> year M.Sc (FN)-II	Advanced Food Microbiology (MFNP205)	<p><b>CO1:</b> Understand classification, morphology, reproduction, cultivation and microscopic examination of microorganisms.</p> <p><b>CO2:</b> Explain the methods of control of microorganisms.</p> <p><b>CO3:</b> Understand sources, spoilage and contamination of foods.</p> <p><b>CO4:</b> Appraise the basic principle of sanitation and hygiene to prevent foodborne infections and poisonings.</p> <p><b>CO5:</b> Demonstrate microbial estimation in food.</p>
1 <sup>st</sup> year M.Sc (FN)-II	Term Assignments (MFNP206)	<p><b>CO1:</b> Enhance the ability to plan, design and research new studies adhering to ethical guidelines.</p> <p><b>CO2:</b> Improved problem-solving skills.</p> <p><b>CO3:</b> Scrutinize a situation; apply critical thinking towards a conclusion and solution.</p> <p><b>CO4:</b> Draw connections and inferences from collected data.</p> <p><b>CO5:</b> Apply theoretic understanding to practical skills.</p>
2 <sup>nd</sup> year M.Sc (FN)-III	Nutrition for Geriatrics (MFN301)	<p><b>CO1:</b> Understand the multi-faced aspects of ageing.</p> <p><b>CO2:</b> Understand the importance of nutritional care of elderly with various ailments.</p> <p><b>CO3:</b> Enable to provide nutritional and health care for the elderly.</p> <p><b>CO4:</b> Awareness of community agencies and services available to free living elderly individuals.</p> <p><b>CO5:</b> Knowledge about various policies and programmes pertaining to older adults.</p>
2 <sup>nd</sup> year M.Sc (FN)-III	Food Technology (MFN302)	<p><b>CO1:</b> Systemic knowledge of basic &amp; applied aspects of food processing &amp; technology.</p> <p><b>CO2:</b> Updated on the technology used in food processing.</p> <p><b>CO3:</b> Understanding the influence of the processing conditions on the food.</p> <p><b>CO4:</b> Study the alternatives to the foods available.</p> <p><b>CO5:</b> Aware about the advantages of food processing.</p>
2 <sup>nd</sup> year M.Sc (FN)-III	Quantity Food Production (MFNP303)	<p><b>CO1:</b> Competent in planning and executing of quantity cooking.</p> <p><b>CO2:</b> Well-versed with food pricing and budgeting.</p> <p><b>CO3:</b> Entrepreneurial skills developed for meal preparation.</p> <p><b>CO4:</b> Develop small-scale marketing strategies for improving food sales.</p> <p><b>CO5:</b> Competent with culinary innovations in meal preparations.</p>
2 <sup>nd</sup> year M.Sc (FN)-III	Public Health Nutrition (MFNP304)	<p><b>CO1:</b> Engage in advocacy on issues that affect public health and nutrition policy.</p> <p><b>CO2:</b> Understand, plan and facilitate the process of implementation of programmes using various modules for a successful nutrition education program.</p> <p><b>CO3:</b> Well-versed with the role of national, international and voluntary nutritional organizations to combat malnutrition.</p> <p><b>CO4:</b> Excel in interaction with the community to collect information about their nutritional status through dietary surveys.</p> <p><b>CO5:</b> Design &amp; prepare and use the various types of communication aids for imparting nutrition education.</p>



2 <sup>nd</sup> year M.Sc (FN)-III	Field Visits & Seminar (MFNP305)	<p><b>CO1:</b> Develop team and independent working skills and understand hierarchy of work.</p> <p><b>CO2:</b> Appraise the ability in preparing scientific reports.</p> <p><b>CO3:</b> Reinforcement of theoretical knowledge into various fields.</p> <p><b>CO4:</b> Develop public speaking and presentation skills.</p> <p><b>CO5:</b> Initiate entrepreneurial skills.</p>
2 <sup>nd</sup> year M.Sc (FN)-III	Minor Project (MFNP306)	<p><b>CO1:</b> Develop independent working skills.</p> <p><b>CO2:</b> Identify current issues and trends in the field of food science and nutrition.</p> <p><b>CO3:</b> Appraise knowledge regarding relevant and interesting topics in food and nutrition.</p> <p><b>CO4:</b> Develop analytical skills and professional scientific writing.</p> <p><b>CO5:</b> Appraise self-confidence.</p>
2 <sup>nd</sup> year M.Sc (FN)-IV	Advanced Food Quality & Analysis (MFN401)	<p><b>CO1:</b> Study the quality parameters for food.</p> <p><b>CO2:</b> Assessing techniques for quality evaluation in foods.</p> <p><b>CO3:</b> Updated on the food standards.</p> <p><b>CO4:</b> Understand the nature of externally added components in food.</p> <p><b>CO5:</b> Compare the national &amp; international food laws.</p>
2 <sup>nd</sup> year M.Sc (FN)-IV	Advanced Food Quality & Analysis (MFNP402)	<p><b>CO1:</b> Study the quality parameters for food.</p> <p><b>CO2:</b> Assessing techniques for quality evaluation in foods.</p> <p><b>CO3:</b> Extensive assessment of the components in food qualitatively.</p> <p><b>CO4:</b> Understand the nature of externally added components in food.</p> <p><b>CO5:</b> Extensive assessment of the components in food quantitatively.</p>
2 <sup>nd</sup> year M.Sc (FN)-IV	Dissertation (MFNP403)	<p><b>CO1:</b> Develop independent working skills.</p> <p><b>CO2:</b> Identify current issues and trends in the field of food science and nutrition.</p> <p><b>CO3:</b> Appraise knowledge regarding relevant and interesting topics in food and nutrition.</p> <p><b>CO4:</b> Develop analytical skills and professional scientific writing.</p> <p><b>CO5:</b> Appraise self-confidence.</p>
2 <sup>nd</sup> year M.Sc (FN)-IV	Internship Training (MFNP404)	<p><b>CO1:</b> Reinforcement of theoretical knowledge into various fields.</p> <p><b>CO2:</b> Ability to be a health and wellness professionals.</p> <p><b>CO3:</b> Apply the knowledge for diet planning and counseling.</p> <p><b>CO4:</b> Develop team and independent working skills and understand hierarchy of work.</p> <p><b>CO5:</b> Initiate entrepreneurship venture.</p>





## Department of Textile Science, Clothing & Fashion Studies, M.Sc (Textile & Clothing)

### Programme Outcomes (PO)

M.Sc. Textiles and Clothing mainly focuses on employing the best methods to equip the students with latest technologies to be in equilibrium with the theoretical aspects in the field of textiles & clothing, i.e., on textile and clothing science, fashion designing, management etc. The course being interdisciplinary addresses to national and global issues of significance. The course stresses on creative exploration, expansion of oneself into the vast field of textile & design.

### Programme Specific Outcome (PSO)

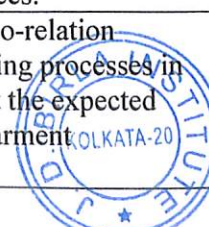
**PSO1:** Understand the current processes and trends, new developments and technological changes in the field of textiles and apparel.

**PSO2:** Apply creative, managerial and technical skills for careers and entrepreneurship in the field of apparel and textiles.

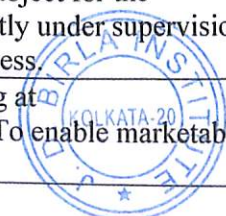
**PSO3:** Understand and apply tools and methods of research and statistics for conducting research in the subject area.

**PSO4:** Apply their knowledge and skills and reach out to the community for their capacity building.

Class/ Paper/Semester	Title	Course Outcome
1 <sup>st</sup> year M.Sc (TC)-I	Statistics I (MTC101)	To familiarize the students with the basic concepts of statistics and its comprehensible methodologies and helps to identify appropriate statistical analysis.
1 <sup>st</sup> year M.Sc (TC)-I	Clothing Psychology & Fashion Concepts (MTC102)	To enable the students to understand the psychological effects of clothing on individual in social situations. The course helps to familiarize students with the basic vocabulary of the fashion industry
1 <sup>st</sup> year M.Sc (TC)-I	Specialty Fibers & Technical Textiles (MTC103)	To impart a thorough understanding about the basics of technical textiles, fibers and yarns. Its helps in conceptualizing and applying the different textiles for suitable end uses.
1 <sup>st</sup> year M.Sc (TC)-I	Pattern Making (MTCP104)	To analyze and describe the characteristics of different types of garments and to enable the students to learn innovative ways of pattern making
1 <sup>st</sup> year M.Sc (TC)-I	Craft Documentation & Product Development (MTCP105)	To acquire theoretical and technological knowledge of traditional and current crafts practices leading to marketing and merchandising trends both nationally and globally.
1 <sup>st</sup> year M.Sc (TC)-I	Computer Application and Information Communication Technology (MTCP106)	To familiarize the students with the Software tools to prepare documents and reports. To enable the students to develop understandings of the new communication technologies and their uses
1 <sup>st</sup> year M.Sc (TC)-II	Statistics II (MTC201)	To enable the students to understand the basic concepts of Statistical Inference and apply the relevant statistical tools in research work.
1 <sup>st</sup> year M.Sc (TC)-II	Research Methodology (MTC202)	To help the students in understanding the methodology of research, its principles and techniques, develop skills in conducting research from planning a study to writing the report and to apply statistical procedure in order to analyze numerical data and to draw inferences.
1 <sup>st</sup> year M.Sc (TC)-II	Garment Manufacturing Technology (MTC203)	To impart an understanding and a co-relation between designing and manufacturing processes in garment industry and teaches about the expected results and process involved in a garment manufacturing industry.



1 <sup>st</sup> year M.Sc (TC)-II	Garment Construction & Draping (MTCP204)	To acquire skills in draping by illustrating a vivid concept of 3D garment designing of different stages and enables a perfect fit, harmony between the fabric and design of the garment.
1 <sup>st</sup> year M.Sc (TC)-II	Fashion Illustration (MTCP205)	To help students in conveying a vivid understanding of fashion sketching and rendering techniques and also to enable the execution of drawings and finished illustrations that demonstrates the expertise in dynamic composition, spatial relationship and design.
1 <sup>st</sup> year M.Sc (TC)-II	Term Assignment (MTCP206)	To help students in encouraging self-learning among students and to enable a student to widen his/ her knowledge by studying on issues not covered in the curriculum. It helps to acquaint students on various current issues in the field of Textiles & Clothing and to develop skills in report writing.
2 <sup>nd</sup> year M.Sc (TC)-III	Textile Chemical Processing (MTC301)	To spawn an awareness regarding the chemical influence on and of textiles enhancing the knowledge and transform information in textile technology.
2 <sup>nd</sup> year M.Sc (TC)-III	Fabric Design and Technical Fabrics (MTC302)	To develop understanding in the tactile and behavioural characteristics of various fabrics in relation to their application and end use. This again helps to correlate specific characteristics of fabrics with the layout, cutting, construction and finishing techniques.
2 <sup>nd</sup> year M.Sc (TC)-III	Textile Chemical Processing (MTCP303)	To understand and familiarize with the application of different processing and finishing methods.
2 <sup>nd</sup> year M.Sc (TC)-III	CAD in Textile & Fashion Designing (MTCP304)	To impart knowledge of various fashion designing concepts through CAD, analyze various advanced fashion designing software packages, and develop the creativity among students in use of 3Dsoftware.
2 <sup>nd</sup> year M.Sc (TC)-III	Field Visit & Seminar (MTCP305)	To give opportunity to students to work independently under guidance and to develop an ability in preparing a report. It provides opportunity for using audio visual aids in presentation. Industry exposure through field visits gear the students towards working of the textile and clothing industry.
2 <sup>nd</sup> year M.Sc (TC)-III	Minor Project (MTCP306)	To give opportunity to students to work independently though under supervision. It enables a student to widen her knowledge regarding any relevant and interesting topic and current issues that complements the curriculum or syllabi and has not been covered in the syllabus.
2 <sup>nd</sup> year M.Sc (TC)-IV	Entrepreneurship Development & Financial Management (MTC401)	To help to accord an in-depth knowledge about financial management. Appeal entrepreneurial theories and practical skills to operate a small and medium-sized fashion business.
2 <sup>nd</sup> year M.Sc (TC)-IV	Textile & Fashion Marketing & Regulator Framework (MTC402)	To fetch and analyze the roles, opportunities, components of fashion market, multifaceted profile of the textile industry of India and the economic regime and policy regulations within which the industry is operating.
2 <sup>nd</sup> year M.Sc (TC)-IV	Dissertation (MTCP403)	To provide an opportunity to students to portray the creativity, knowledge along with one's managerial skills to establish a project by herself. An understanding is given by this subject for the opportunity to work independently under supervision enabling knowledge and awareness.
2 <sup>nd</sup> year M.Sc (TC)-IV	Internship Training (MTCP404)	To enhance the practical training at institutes/organizations/NGOs. To enable marketable experience.



## Department of Human Development, M.Sc (Human Development)

### Programme Outcomes (PO)

M.Sc.in Human Development is designed to facilitate the construction or advancement of detailed knowledge and skills related to Human Development and allied fields. The course will help the students have an in-depth understanding of the subjects taught at the graduate level. They will also be exposed to first hand primary research which will help them relate theory with practice.

### Programme Specific Outcome (PSO)

**PSO1:** Manage life crises at every stage of life span

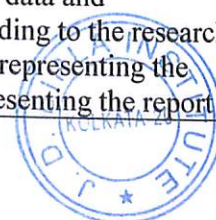
**PSO2:** Identify how families and communities influence the process of growth and development.

**PSO3:** Demonstrate skills in using tools to assess human behaviour

**PSO4:** Become entrepreneurs in establishing learning centres

**PSO5:** To foster development of scientific temper and research orientation through the teaching learning process

Class/ Paper/Semester	Title	Course Outcome
1 <sup>st</sup> year M.Sc (HD)-I	Statistics I (MHD101)	Appraise the skill of sorting the data and classification of variables according to the research needs. Apply the knowledge in representing the data, interpreting results and presenting the report
1 <sup>st</sup> year M.Sc (HD)-I	Theories of Human Development (MHD102)	Get an insight into the contributions of various theorists to understand the developmental milestones in the growth of children. Comprehend the role of nature and nurture in the development of an individual and the various debates surrounding the same. Realize the relevance of the theories in the current context especially in the area of education
1 <sup>st</sup> year M.Sc (HD)-I	Family & Society (MHD103)	To introduce the student to the key theories in family studies. To have students reflect on and examine key issues in research in family studies with a special focus on changing notions of family normality and models of family functioning in cultural and societal context. Analyze the approaches and therapies that deals with families in the present era of changing family values to overcome demands and challenges effectively
1 <sup>st</sup> year M.Sc (HD)-I	Community Development & Extension Services (MHDP104)	Understand about different extension teaching methods and its uses in rural areas. Knowledge about process of communication. Skills and development and use of audio-visual aids. Knowledge of information management and journalistic writing of various information's and also studied their readability
1 <sup>st</sup> year M.Sc (HD)-I	Creativity & Play Material Design (MHDP105)	Develop the skill of using appropriate methods of child study and child friendly material.
1 <sup>st</sup> year M.Sc (HD)-I	Computer Application and Information Communication Technology (MHDP106)	Optimize the use of Microsoft tools (Word Processor & Power-point). Enhance use of Power-point as a visual aid for Teaching Concepts. Develop skills required for the designing of Graphic Aids
1 <sup>st</sup> year M.Sc (HD)-II	Statistics II (MHD201)	Appraise the skill of sorting the data and classification of variables according to the research needs. Apply the knowledge in representing the data, interpreting results and presenting the report



1 <sup>st</sup> year M.Sc (HD)-II	Research Methodology (MHD202)	Provide foundation knowledge of research methods used in Human Development. Understand the methods of interpretation of data. Develop awareness about the skills in writing reports and research papers.
1 <sup>st</sup> year M.Sc (HD)-II	Advanced Study in Human Development (MHD203)	To facilitate competence in knowledge related to Developmental Science with respect to selected domains of development. To expand the vision of human development and the systems within which it occurs. To create insights about human existence. To examine alternative explanations of human development (e.g., by philosophers, theologians, religion, spirituality).
1 <sup>st</sup> year M.Sc (HD)-II	Early Childhood Care & Education (MHDP204)	Understand the meaning and significance of Preschool Education. Gain insight into factors affecting Preschool curriculum. Develop understanding of the various domains of development. Be acquainted with essential of the administration and management of preschool
1 <sup>st</sup> year M.Sc (HD)-II	Care of the Elderly (MHDP205)	Address the problems of elderly. Transform theoretical knowledge to geriatric care practices. Apprehend the issues related to aging in the contemporary society and the services available. Demonstrate the best practices of geriatric care within their family and also in the community
1 <sup>st</sup> year M.Sc (HD)-II	Term Assignment (MHDP206)	Writing a term paper will enhance the ability to plan, design and do research while adhering to ethical guidelines. To break complex problems into simpler components, scrutinize a situation, apply inductive and deductive reasoning and teach them to draw inferences
2 <sup>nd</sup> year M.Sc (HD)-III	Mental Health in Developmental Perspective (MHD301)	To sensitize individuals with psychological disorders, their needs and problems. Gain advanced knowledge about the different psychological disorders—their prevalence, causes, characteristics, assistive technology, and educational support and services.
2 <sup>nd</sup> year M.Sc (HD)-III	Advanced Study in Human Exceptionality (MHD302)	To sensitize students to individuals with exceptionality, their needs and problems. Gain advanced knowledge about the different categories of exceptionality. Build awareness and knowledge about different laws and legislations; provisions and concessions; and educational support and services for individuals with exceptionalities, globally and also with special reference to the Indian context.
2 <sup>nd</sup> year M.Sc (HD)-III	Gender Equity & Human Rights (MHDP303)	Discuss the current status of women, children and the third gender in India in view of the historical developments. Identify various indicators that determine status of women children and the third gender. Differentiate between the concepts of gender and feminism. Describe different government and non-governmental organizations working for women, children and the third gender
2 <sup>nd</sup> year M.Sc (HD)-III	Human Exceptionality & Psychological Testing (MHDP304)	Understand the Importance of assessment across life span. Gain insights into the different methods, types and uses of assessment. Be aware of the legal and ethical considerations of assessment. Develop awareness of the various assessment tools available for developmental assessment through life span.

2 <sup>nd</sup> year M.Sc (HD)-III	Field Visit & Seminar (MHDP305)	Enhance the ability to plan, design and do research while adhering to ethical guidelines. To break complex problems into simpler components, scrutinize a situation, apply inductive and deductive reasoning and teach them to draw inferences. To have an insight into the practical application of the theoretical understanding
2 <sup>nd</sup> year M.Sc (HD)-III	Minor Project (MHDP306)	Get oriented to the trends of research and theory in the field of human development. Develop the skill to do review of literature related to one topic of their interest. Acquire the skill to analyze, condense and evaluate articles/report/books. Enable them to effectively present a review or mini research project
2 <sup>nd</sup> year M.Sc (HD)-IV	Guidance & Coping in Crises (MHD401)	Have an awareness and knowledge about different types of stress and crises. Be aware of the impact of crises and knowing the manner of coping with crisis situations. Also getting acquainted with various types of intervention programs
2 <sup>nd</sup> year M.Sc (HD)-IV	Counseling & Therapy (MHD402)	Understand the underlying principles of counseling. Distinguish the approaches and strategies of counseling and its applications. Acquire the basic skills and techniques for counseling. Apply the acquired knowledge and skills in helping self and others
2 <sup>nd</sup> year M.Sc (HD)-IV	Dissertation (MHDP403)	To provide students with an opportunity to conduct independent research under supervision in Human Development and allied areas. To encourage students to work in conjunction with relevant industries, institutes, NGOs, hospitals, schools, etc. To assist students in developing general research skills as well as research skills specific to their specialization. To encourage students to adopt best practices in research
2 <sup>nd</sup> year M.Sc (HD)-IV	Internship Training (MTHDP404)	To acquire skills in working with children/parents or any other specific target groups in the centre. To gain first-hand experience in undertaking educational/counseling activities with children in remedial or counseling centres under the guidance of the professionals at the centre.



## Department of Commerce, M.Com

### Programme Outcomes (PO)

**PO1:** Enhancing the horizon of knowledge so as to enable the learners to carry out qualitative research and pursue academic or professional careers.

**PO2:** Solving real life problems through use of knowledge and aptitude acquired.

**PO3:** Fostering ability to accommodate the learners in the corporate world.

### Programme Specific Outcome (PSO)

**PSO1:** Spread of research approach opportunities of corporate sector.

**PSO2:** Maintain critical approach and analysis.

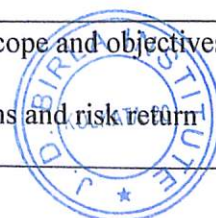
**PSO3:** Guidance of various examinations.

**PSO4:** Competitiveness in changing world.

**PSO5:** Statistical techniques.

**PSO6:** Study of business.

Class/ Paper/Semester	Title	Course Outcome
1 <sup>st</sup> year M.Com-I	Mathematics and Statistics in Business Decisions (MCOMC 101)	<ul style="list-style-type: none"> <li>Acquire a fair degree of proficiency in comprehending statistical data, processing and analyzing it using descriptive and inferential statistical tools.</li> </ul>
1 <sup>st</sup> year M.Com-I	Organizational Behaviour (MCOMC102)	<ul style="list-style-type: none"> <li>Understand the development of organizational behavior and its importance in managing people at the workplace</li> </ul>
1 <sup>st</sup> year M.Com-I	Management Information System and IT Applications (MCOMC 103)	<ul style="list-style-type: none"> <li>Relate the basic concepts and technologies used in the field of management information systems</li> </ul>
1 <sup>st</sup> year M.Com-I	Term Paper (MCOMC 104)	<ul style="list-style-type: none"> <li>Carry out independent research</li> </ul>
1 <sup>st</sup> year M.Com-II	Operation Research (MCOMC 201)	<ul style="list-style-type: none"> <li>Understand the basics of decision making by using different methods of Operation research.</li> </ul>
1 <sup>st</sup> year M.Com-II	Marketing Management (MCOMC202)	<ul style="list-style-type: none"> <li>Understand the fundamentals of marketing including marketers' perspectives and their market orientations while sensitizing them about the dynamic and volatile marketing environment to enable them to take better marketing decisions.</li> </ul>
1 <sup>st</sup> year M.Com-II	Managerial Economics and Indian Business Environment (MCOMC 203)	<ul style="list-style-type: none"> <li>Understand the concepts and applications of Micro Economics and Indian economy and relate the current scenario and various economic aspects in such interrelated and globalized world and able to link various probable outcomes.</li> </ul>
1 <sup>st</sup> year M.Com-II	Seminar (MCOMC 204)	<ul style="list-style-type: none"> <li>Carry out independent research</li> </ul>
2 <sup>nd</sup> year M.Com-III (Elective 1)	Corporate Financial Accounting and Auditing (MCOME/A301)	<ul style="list-style-type: none"> <li>Understand the theoretical framework of corporate financial accounting and to prepare financial statements</li> <li>Understand the concept of corporate governance in organizations and its essence for management.</li> </ul>
2 <sup>nd</sup> year M.Com-III (Elective 1)	Sales and Distribution Management (MCOME/M301)	<ul style="list-style-type: none"> <li>Understand nature, types and importance of selling, Sales management process, managing ethics in selling environment.</li> </ul>
2 <sup>nd</sup> year M.Com-III (Elective 2)	Financial Management and Financial Engineering (MCOME/A302)	<ul style="list-style-type: none"> <li>Understand the meaning, nature scope and objectives of Financial Management.</li> <li>Analyze various financial decisions and risk return trade off.</li> </ul>



2 <sup>nd</sup> year M.Com-III (Elective 2)	Rural Marketing (MCOME/M302)	<ul style="list-style-type: none"> <li>• Understand different concepts related to rural marketing.</li> <li>• Learn to organize &amp; control marketing activities and simultaneously developing the skill to effective</li> <li>• Analyze the sales, cost and profit in case of rural marketing.</li> </ul>
2 <sup>nd</sup> year M.Com-III (Elective 3)	Advanced Cost and Management Accounting (MCOME/A303)	<ul style="list-style-type: none"> <li>• Understand the concept management accounting and different cost concepts and its relationship with other branch of accounting and applicability in the business environment.</li> </ul>
2 <sup>nd</sup> year M.Com-III (Elective 3)	Integrated Marketing Communication (MCOME/M303)	<ul style="list-style-type: none"> <li>• To understand the principles and practices of marketing communications, involving tools used by marketers to inform consumers and to provide a managerial framework for integrated marketing communications planning.</li> </ul>
2 <sup>nd</sup> year M.Com-III	Corporate Environmental Management (MCOM 304)	<ul style="list-style-type: none"> <li>• Learn to evaluate existing frameworks, inquire into environmental issues in organizations and industries, and develop sensitive business practices, preparing you for any corporate-focused environmental career.</li> </ul>
2 <sup>nd</sup> year M.Com-III	Project I (MCOMC 305)	<ul style="list-style-type: none"> <li>• Carry out independent research.</li> </ul>
2 <sup>nd</sup> year M.Com-IV (Elective 1)	Taxation and Tax Planning (MCOME/A401)	<ul style="list-style-type: none"> <li>• Learn the latest provisions of the Indian Corporate tax laws and related judicial pronouncements having implications for corporate tax planning and its future.</li> </ul>
2 <sup>nd</sup> year M.Com-IV (Elective 1)	Consumer Behaviour and Marketing Research (MCOME/M401)	<ul style="list-style-type: none"> <li>• In-depth understanding of the consumer and industrial buying processes and their determinants as relevant for marketing decision making.</li> <li>• Learn how to conduct research, communicate the results and follow up.</li> </ul>
2 <sup>nd</sup> year M.Com-IV (Elective 2)	Security Analysis and Portfolio Management (MCOME/A402)	<ul style="list-style-type: none"> <li>• Understand the investment environment and investment decision process.</li> <li>• Analyze various investment options in terms of risk and return.</li> <li>• Examine contemporary issues in investment management.</li> </ul>
2 <sup>nd</sup> year M.Com-IV (Elective 2)	Services Marketing (MCOME/M402)	<ul style="list-style-type: none"> <li>• Identify and interpret the nature and role of service marketing in the light of changing consumer needs and appreciate the importance &amp; requirement of highly effective customer relationship management system.</li> <li>• Understand the implications of current trends in social media marketing and emerging marketing trends.</li> </ul>
2 <sup>nd</sup> year M.Com-IV (Elective 3)	International Finance (MCOME/A403)	<ul style="list-style-type: none"> <li>• Equip the students with an understanding of the international financial system, its evolution, growing importance as well as challenges thrown up by increasing globalization of finance.</li> </ul>
2 <sup>nd</sup> year M.Com-IV (Elective 3)	Supply Chain Management (MCOME/M403)	<ul style="list-style-type: none"> <li>• Acquaint with the concepts and tools of supply chain management and logistics as relevant for a business firm.</li> </ul>



2 <sup>nd</sup> year M.Com-IV	Internship (MCOMC 404)	<ul style="list-style-type: none"> <li>• Demonstrate the application of knowledge and skill sets acquired from the course and workplace in the assigned job functions.</li> <li>• Solve real life challenges in the workplace by analyzing work environment and conditions, and selecting appropriate skill sets acquired from the course.</li> <li>• Articulate career options by considering opportunities in company, sector, industry, professional and educational advancement.</li> <li>• Communicate and collaborate effectively and appropriately with different professionals in the work environment through written and oral means.</li> </ul>
2 <sup>nd</sup> year M.Com-IV	Project II (MCOMC 405)	<ul style="list-style-type: none"> <li>• Carry out independent research</li> </ul>





## Department of Food Science & Nutrition Management, Post Graduate Diploma in Dietetics and Applied Nutrition (PGDDAN)

### Programme Outcomes (PO)

**PO1: Scientific Knowledge:** Utilize and apply knowledge from foundational sciences as a basis for understanding and assessing the role of food and nutrients in health and disease processes for the welfare of the community.

**PO2: Development of Solutions & Problem Analysis:** Design solutions for complex problems in health and wellness that meet the specific nutritional needs. Integrate scientific information, research, and critical thinking into evidence-based practice.

**PO3: Effective Communication:** Develop nonverbal and verbal communication to demonstrate professionalism, innovation of thought and ethical behavior in all areas of practice.

**PO4: Individual & Team work:** Function objectively as an individual and as a member in diverse teams.

**PO5: Entrepreneurial Skills:** Apply basic principles of entrepreneurship to dietetics practice.

### Programme Specific Outcome (PSO)

**PSO1:** Understand the functions and sources of nutrients, role of nutrients in maintenance of good health.

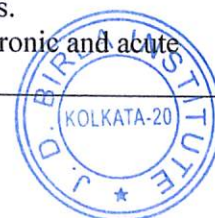
**PSO2:** Understand the physiological processes, systems and functions as applicable to human nutrition.

**PSO3:** Implement strategies for food access, procurement, preparation, and safety that are relevant for the culture, age, literacy level, and socio-economic status of clients and groups.

**PSO4:** Utilize the principles of diet therapy for modification of normal diet for therapeutic purposes. Assessing and evaluating the nutritional status of individuals and communities and their response to nutrition intervention.

**PSO5:** Create, select and apply appropriate tools & techniques, resources and modern technology to nutrition solutions and practices.

Class/ Paper/Semester	Title	Course Outcome
1 <sup>st</sup> year PGDDAN-I	Human Physiology & Nutritional Biochemistry (PGDDAN 101)	<p><b>CO1:</b> Understand the normal physiological functions of body.</p> <p><b>CO2:</b> Study basic metabolism, which regulate physiological function.</p> <p><b>CO3:</b> Apprise intracellular communication system.</p> <p><b>CO4:</b> Systematic knowledge of the metabolism of protein, carbohydrate &amp; fat.</p> <p><b>CO5:</b> Understand the enzyme system &amp; integrated metabolism.</p>
1 <sup>st</sup> year PGDDAN-I	Food Commodities & Food Science (PGDDAN 102)	<p><b>CO1:</b> Systematic knowledge of basic and applied food science.</p> <p><b>CO2:</b> Enable students to become familiar with the quality and safety of food.</p> <p><b>CO3:</b> Understanding the physio-chemical properties of food.</p> <p><b>CO4:</b> Study the various reactions in a food.</p> <p><b>CO5:</b> Understand the effect of processing on the nutritional profile of food.</p>
1 <sup>st</sup> year PGDDAN-I	Medical Nutrition Therapy-I (PGDDAN 103)	<p><b>CO1:</b> Understand the relationship between diet and disease.</p> <p><b>CO2:</b> Applying the principles of nutrition in daily life.</p> <p><b>CO3:</b> Gain knowledge about role of nutrition in disease management.</p> <p><b>CO4:</b> Provide nutritional advice and counselling for diet and lifestyle modifications.</p> <p><b>CO5:</b> Plan diets to manage chronic and acute diseases.</p>



1 <sup>st</sup> year PGDDAN-I	Human Nutrition-I (PGDDAN 104P)	<p><b>CO1:</b> Understand the body composition, basic principles of nutrients and its role in the body.</p> <p><b>CO2:</b> Updated knowledge of the recent advances in the area of human nutrition.</p> <p><b>CO3:</b> Preparation of nutritious meals specific to age, disease condition and nutritional status.</p> <p><b>CO4:</b> Utilize the Nutrition Care Process to deliver balanced, safe and effective nutrition care.</p> <p><b>CO5:</b> Provide culturally competent nutrition services for diverse individuals and communities using a variety of communication strategies.</p>
1 <sup>st</sup> year PGDDAN-I	Project/ Term Paper (PGDDAN 105S)	<p><b>CO1:</b> Develop independent working skills.</p> <p><b>CO2:</b> Identify current issues and trends in the field of food science and nutrition.</p> <p><b>CO3:</b> Appraise knowledge regarding relevant and interesting topics in food and nutrition.</p> <p><b>CO4:</b> Develop analytical skills and professional scientific writing.</p> <p><b>CO5:</b> Appraise self-confidence.</p>
1 <sup>st</sup> year PGDDAN-I	Seminar & Field Training (PGDDAN 106S)	<p><b>CO1:</b> Develop independent working skills.</p> <p><b>CO2:</b> Appraise the ability in preparing scientific reports.</p> <p><b>CO3:</b> Reinforcement of theoretical knowledge into various fields.</p> <p><b>CO4:</b> Develop public speaking and presentation skills.</p> <p><b>CO5:</b> Initiate entrepreneurial skills.</p>
1 <sup>st</sup> year PGDDAN-II	Sports & Exercise Nutrition (PGDDAN 201)	<p><b>CO1:</b> Extensive understanding of anatomy, functionality and energy systems of the human body.</p> <p><b>CO2:</b> Analyze the interaction between body composition, nutrient intake and performance.</p> <p><b>CO3:</b> Well-versed with the role of physical activity, flexibility and mobility of the human body.</p> <p><b>CO4:</b> Apply nutrition knowledge to improve the performance of a sports person.</p> <p><b>CO5:</b> Understand the special nutritional requirements for physical activities related to sports and exercise.</p>
1 <sup>st</sup> year PGDDAN-II	Medical Nutrition Therapy-II (PGDDAN 202)	<p><b>CO1:</b> Well-versed with the different disease conditions.</p> <p><b>CO2:</b> Understand the principles involved in the modification of normal diet in various disease conditions.</p> <p><b>CO3:</b> Understand &amp; assess the role of diet in treatment of various diseases conditions.</p> <p><b>CO4:</b> Aware of the recent advances in the area of clinical nutrition.</p> <p><b>CO5:</b> Understand basic concepts of nutrigenetics and nutrigenomics.</p>
1 <sup>st</sup> year PGDDAN-II	Community Nutrition & Hospital Management (PGDDAN 203P)	<p><b>CO1:</b> Assess the nutritional status of the community people.</p> <p><b>CO2:</b> Appraisal of the different nutritional programmes.</p> <p><b>CO3:</b> Descriptive idea regarding lifestyle diseases.</p> <p><b>CO4:</b> Determine the nutrition assessment tools used in hospitals.</p> <p><b>CO5:</b> Get the idea regarding Total Quality Management.</p>



1 <sup>st</sup> year PGDDAN-II	Human Nutrition-II (PGDDAN 204P)	<p><b>CO1:</b> Develop standards of dietary practice in consonance with advance in the field of diet therapy.</p> <p><b>CO2:</b> Updated knowledge of the recent advances in the area of human nutrition.</p> <p><b>CO3:</b> Preparation of nutritious meals specific to age, disease condition and nutritional status.</p> <p><b>CO4:</b> Utilize the Nutrition Care Process to deliver balanced, safe and effective nutrition care.</p> <p><b>CO5:</b> Well-versed with dietary management of various diseases of GIT, respiratory, circulatory system, neurological disorders etc.</p>
1 <sup>st</sup> year PGDDAN-II	Project/ Term Paper (PGDDAN 205S)	<p><b>CO1:</b> Enhance the ability to plan, design and research new studies adhering to ethical guidelines.</p> <p><b>CO2:</b> Improved problem-solving skills.</p> <p><b>CO3:</b> Scrutinize a situation, apply critical thinking towards a conclusion and solution.</p> <p><b>CO4:</b> Draw connections and inferences from collected data.</p> <p><b>CO5:</b> Apply theoretic understanding to practical skills.</p>
1 <sup>st</sup> year PGDDAN-II	Internship Training (PGDDAN 206S)	<p><b>CO1:</b> Reinforcement of theoretical knowledge into various fields.</p> <p><b>CO2:</b> Ability to be a health and wellness professionals.</p> <p><b>CO3:</b> Apply the knowledge for diet planning and counseling.</p> <p><b>CO4:</b> Develop team and independent working skills and understand hierarchy of work.</p> <p><b>CO5:</b> Initiate entrepreneurship venture.</p>



**PRINCIPAL**  
**J. D. BIRLA INSTITUTE**  
 11, Lower Rawdon Street  
 Kolkata - 700 020

