

B.Sc. (Food Technology & Management) I

Introduction to Food Science I & II

To gain knowledge of food composition (including major chemical interactions and nutritional factors) in the context of food quality and safety

Food Microbiology I & II

Explain types, characteristics and significance of microorganisms • Describe the structure and functions of major components of microbial cells • Understand the concept of microbial growth, its measurement and growth curves, factors influencing their growth and survival. • Classify microorganisms based on nutrition • Isolate bacteria on solid media • Discuss various methods of sterilization and disinfection

Dairy Technology I & II

To understand processes involved in production of milk and milk products. Classify and explain the different types of milk products Be able to explain organization and operations involved in milk processing unit.

Human Physiology I & II

To understand the functions of important physiological systems such as cardiovascular, respiratory, renal, endocrine and digestive systems.

English

To communicate effectively orally and in writing and to use academic writing associated with the communication discipline.

Principles of Food Preparation and Preservation I & II

To gain knowledge about the principles involving food preservation by moisture control, application of heat, removal of heat, chemical additives, fermentation and emerging technologies.

Food Chemistry I & II

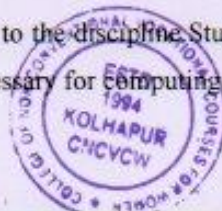
To understand reactions of carbohydrates, lipids and proteins during storage and processing of food and how these influence the quality and properties of the food. To understand the importance of water for stability and quality of foods. To understand the chemistry of additives influencing colour and flavour of food knowledge. To Gain knowledge related to important sources of vitamins and minerals in food and their functions

Human Nutrition I & II

Students will be able to gain knowledge related to age wise nutrition

Introduction to computer I & II

To apply knowledge of computer appropriate to the discipline. Students will attain an ability to use current techniques, skills, and tools necessary for computing practice.



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B.Sc. (Food Technology & Management) II

Human Nutrition I & II

Students will be able to gain knowledge related to age wise nutrition

Cereal legume and oil seed technology I & II

Understand the basic composition and structural parts of food grains. Aware the importance of physico-chemical properties of food grains. Understand the basics of milling operations for food grains. Identify the problems associated with milling of grains and their solution. Know processing food grains into value added products

Analytical Techniques I & II

To study operation of the basic laboratory instruments and also principle, theory and working of the advanced analytical techniques.

Food Biochemistry I & II

Metabolism of Carbohydrates, Proteins and Fats and related disorders, regulation of acid base balance, study of enzymes, hormones.

Food Microbiology I & II

To understand role of microorganisms in food industries, food spoilage and food infections.

Dairy Technology I & II

To understand processes involved in production of milk and milk products. Classify and explain the different types of milk products Be able to explain organization and operations involved in milk processing unit.


Agri-business Management I & II

To study processing, warehousing, distribution, marketing and retailing of the products used in agriculture. It encompasses farm planning, weather forecasting, research, soil management, seed production, machinery, harvesting, marketing of produce, storage, supply chain operations, financing, food processing, retailing and much more. All the activities ranging from farm planning to get the food.

Environmental studies

Creating awareness about environmental problems amongst people. Imparting basic knowledge about environment and its allied problems. Developing an attitude of concern for the environment. Acquiring skills to help the concerned individuals in identifying and solving environmental problems.




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B.Sc. (Food Technology & Management) III

Therapeutic Nutrition I & II

To study the role of diet in different disease conditions and to plan a diet accordingly.

Bakery and Confectionery I & II

To educate student with deeper knowledge and understanding and skill development training on bakery science and technology.

Animal Product Technology I & II

Students will be able to learn the skills required in pre-slaughtering. Students will be able to learn the skills required for slaughtering and dressing of Livestock. Students will be able to learn the preservation techniques used in meat/fish/ poultry based products. Students will be able to learn the quality evaluation techniques used in Livestock processing industries.

Processing and preservation of fruits and Vegetables I & II

To preserve the fruits and vegetables and make their products to make available them in off season. To provide solution for spoilage of fruit and vegetables while handling and storage. To learn storage of fruits and vegetables in perfect consumable condition for a longer time without change in its nutritional value. To extend the shelf life of the fruits and vegetable products with use of various preservation techniques. Students will learn to prepare value added products from the fruits and vegetables so that farmers will get more income.

Food, Quality, Safety and Waste management I & II

Students will be able to understand the food quality aspects and need of food safety. Students will be able to understand the various regulatory aspects for food business operators. Students will be able to understand the various voluntary standards for food processing industries. Students will recognize and communicate common processing methods which convert food waste into valuable products.

Community Nutrition I & II

Students will be able to understand the role of diet in prevention of disease in community that will help in maintaining the health of community with the help of national and international agencies.

Industrial Business Management I & II

To understand the conceptual learning skills in today's business environment. Analyse financial performance of an organization. Evaluate organizational decisions with consideration of the political, legal and ethical aspects of business. Assess strengths, weaknesses, opportunities and threats of the business environment.




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POST GRADUATE DIPLOMA IN NUTRITION AND DIETETICS (2015-16)

Course Outcome

1. Clinical Nutrition

Clinical Nutrition enables students to obtain knowledge regarding metabolic processes of normal and diseased organs and tissues. The subject makes students familiar with dietary modifications based on physiological changes occurring during diseased conditions.

2. Nutritional Biochemistry

Nutritional Biochemistry enables students to learn the role of nutrients in foods and deficiency diseases. It also makes students understand the metabolism of nutrients in health and diseases.

3. Dietetics and Diet Counselling

Dietetics and Diet Counselling enables students to understand the etiology, physiologic and metabolic anomalies of chronic diseases and patient needs. It also deals with effects of various diseases on nutritional status dietary requirements. It enables students to recommend and provide appropriate nutritional care for prevention and treatment of various diseases.

4. Human Physiology

Human Physiology enables students to understand structure of cell, organ tissues of human body, different systems and their functions and also the regulation of various body functions.

5. Public Nutrition

Public Nutrition enable students to focus on promotion of good health through nutrition and the primary prevention of nutrition related problems. It deals with the nutritional epidemiology and make students aware about public policies with respect to nutrition.

6. Food Service Management

Food Service Management helps in development of food service management skills into the students. It also develops professional approach backed by special skills, knowledge and vigilance at every stage of food service operation. It also helps in attaining specific knowledge about training and development of manpower in food service unit.




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B.A. (DMFC)-I (Program Outcome/Course outcome)

Subject:-

1. **Communication Skill for self employed:-** 1. To train the students with the global perspectives. 2. To create competencies in communication for careers in fashion design.
2. **Introduction to textile sciences:-** 1. To impart knowledge about fiber & its properties. 2. To understand the various fabric techniques.
3. **Sewing Technology:-** 1. Introduce the concept of assembly of pattern by sewing. 2. Provide the knowledge of machine used for sewing.
4. **Pattern Drafting :-** 1. To enable students to gain knowledge of basic pattern drafting. 2. Learn the drafting of basic Block & Flat pattern techniques.
5. **Textile and Apparel Designing :-** 1. To introduce students to fashion illustration & its role in fashion design. 2. To understand different illustration techniques & dynamic figure sketching.
6. **Needle Craft:** To impart knowledge on various basic embroidery stitches. 2. To gain practical knowledge on use of different embroidery stitches for surface ornamentation.
7. **Garment Construction:-** 1. To train the students with stitching techniques. 2. Provide the knowledge of body measurements & drafting & construction techniques.

B.A. (DMFC)-II (Program Outcome/Course outcome)

Subject:-

1. **Clothing Culture:** 1. To understand the trends in clothing behavior. 2. Gain an insight on the planning process involved in clothing selection.
2. **Apparel Designing:-** 1. To gain knowledge regarding various principles of design the dress accordingly.
3. **Pattern Layout:-** 1. To do the proper layout of paper drafts on the fabric. 2. To make maximum usage of fabric with minimum wastage.
4. **Traditional Indian Textiles:-** 1. To understand the Indian textiles of different states. 2. Learn the art of stitching different Indian embroideries.
5. **Textile art & wet Processing:-** 1. Gain knowledge of textile & garment wet processing. 2. Get introduced to various chemicals, dyes & finishes for chemical Processing.
6. **Pattern Drafting :-** 1. Gain knowledge of basic pattern making. 2. Learn the drafting of basic block & flat pattern making techniques.
7. **Garments Construction :-** 1. Learn the aspects of pattern construction. 2. Know the concept of garment making.
8. **Computer Application :** 1. Gain Knowledge of basic knowledge of computer. 2. Understand the role of I.T. in automation, fashion & apparels.



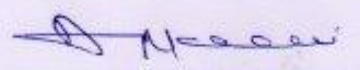

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B.A. (DMFC)-III (Program Outcome/Course outcome)

Subject:-

1. **Fashion Merchandising :-** 1. To study the current market trends of garments & boutiques & Industrial level.
2. **Computer Aided Design :-** 1. To explore advance tools available in coral draw & Photoshop. 2. To gain the knowledge about mood board & colour board.
3. **Apparel Designing :-** 1. To develop the story board, client profile, spe sheets, Cost sheets. 2. To develop the skill to choose an appropriate theme & implementation of the same.
4. **Garment Construction :-** 1. To train the students with stitching techniques. 2. To Provide the knowledge of men's wear & construction techniques.
5. **Management & Entrepreneurship Skills:-** 1. To gain the knowledge of management history & development. 2. To develop the skills of entrepreneurship.
6. **Grading & Fashion Reading :-** 1. To get knowledge of fashion regarding, drafting & Accessories designing. 2. To train the students with grading skills.
7. **World Costumes :-** 1. To study the ancient Indian costumes. 2. To gain the knowledge of costumes of the classical age.
8. **Apparel Production & quality control :-** 1. To study the brief history of apparel technology, sewing machine. 2. To study the production process and operations carried out in garment production unit.




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B.I.D. COURSE OUTCOME

I YEAR B.I.D- Semester I

1. Interior Design- I

Introduction of various devices/furniture related to interior spaces and anthropometric with ergonomics in the field of interior. Drafting of furniture details related to interior spaces. Design of simple furniture with activities like seating, working, sleeping, storage design development including case studies.

2. Graphics- I

Introduction of drawing equipment, materials and methods of using them. Application of scale in drawing geometric shapes.

3. Theory of Interior Design-I

To understand the elements of design and its application to interior design. Visual perception through simple design elements and organization.

4. Technical Skills-I

Introduction to timber joinery, brick masonry, stone masonry and its types, plastering and pointing. To understand the structure of building section and components and workspaces in kitchen. Research on materials and working on material boards. Taking up a market survey on materials.

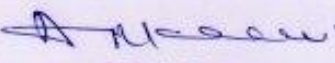
5. Communication Skills

To provide an adequate mastery of technical and communicative English Language training primarily, reading and writing skills, secondarily listening and speaking skills. To develop all the four skills and nurture the personality of the students, to enable them to survive in the competitive world and become professionally competent. In Language acquisition four Skills plays a significant role.

6. Elements of Interior Space

Introduction to basic building elements and construction methods. General idea about their material finishes leading to aesthetic qualities. Emphasis should be given on developing understanding about basic elements to design in given interior space.




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I YEAR B.I.D- Semester II

7. Interior Design- Ii

Space making in order to understand elements and organization. Furniture design with group of furniture elements along with surroundings. Introduction to residential plan with one BHK planning.

8. Graphics- Ii

Drawing skills as tools to design thinking and visualization to enable the students to understand and express Composite three-Dimensional objects as ONE POINT perspective views. Sketching, rendering in 2D and 3D views, block model making.

9. Theory of Interior Design-Ii

To understand the Principles of design and its application to interior design. Visual perception through simple design elements and organization. Optical illusions and lighting in interior.

10. Technical Skills-Ii

To learn basic elements of interior spaces like doors, windows, staircase, flooring and inbuilt furniture with technical details. Research on materials and working on material boards. Taking up a market survey on materials.

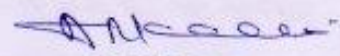
11. Computer- I

To learn basics of theory on computer concept, system organisation, computer classification, M.S. Office. Introduction to AutoCAD all commands and 2D drafting using DRAW and EDIT commands.

12. History of Interior-I

To learn evolution of art & architecture and design. Prehistoric cave paintings, early classical periods, middle ages, colonial to beginning of 20th century, Bauhaus to post modernism.




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II YEAR B.I.D- Semester III

1. Interior Design- Iii

To understand architectural spaces and its functional and formal aspects. Development of basic design shells and understanding nature of space and scale of space in residential planning and introduction to commercial space. To become a residential designer.

2. Graphics- Iii

Two point and three point perspective views from varying eye levels of complex 3D compositions. Sciography of objects.

3. History of Interior-Ii

To learn recent directions like late modernism, high technology, post modernism and deconstruction, Scandinavian traditions and Indian traditions.

4. Technical Skills-Iii

To learn details of interior furnishing like partitions, false ceiling, paints and varnishes, wallpaper, ceramic products, insulations in space.

5. Interior Services- I

To get hands on training on sanitation techniques in building, water supply layout. Site visits to show actual sanitation fixtures and water supply techniques in building.

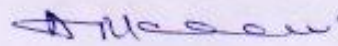
6. Landscape Design

To become a landscape designer, it is important to study interior landscaping, physical requirements of plants, interior landscaping elements and principles, roof and deck landscaping to do roof top gardens in interiors.

7. Computer -II

To learn AutoCAD in advance with 2D and 3D modelling and using this to make design presentation drawings and to improve presentation techniques through software.




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II YEAR B.I.D- Semester IV

8. Interior design- IV

To create commercial and public interior spaces responding to needs of the users and society in general. To apply knowledge of various streams like behaviour, user and customer psychology, building technology, services, acoustics etc. in giving design solutions to enhance the qualitative aspects of life / usage. To become a commercial space designer.

9. Graphics- IV

To improve presentation skills on sheets it's important to learn detail drawings and sectional perspective views of an interior space.

10. Lighting & colour in Interior

Introduction to day lighting, artificial lighting, effects of colour in lighting, luminaries and fixtures to consider in designing interior space. The outcome from this course is to become an professional lighting designer in order to give consultancy based on the interior space requirements.

11. Technical Skills-IV

To learn details of interior elements like lifts, escalators, wall panelling/cladding, types of door detailing. Materials and detail fixtures of upholstery, carpets and curtain types. Introduction to modular furniture, innovative flooring and hardware and fastening.

12. Computer- III

To learn advance 3D development software like Google sketch-up for improving 3D presentation skills. Use of Photoshop and Corel draw or related software for editing presentation skills.


13. History of Interior-III

To learn effects of industrial revolution and its impact on world history. Also to learn different styles in interior design to use them in themes for interior spaces.

14. Interior Services- II

To learn in detail process of electrification and fire protection in building. Use of fire resistant materials to use in interior space.




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III YEAR B.I.D- Semester V

1. Interior Design- V

Interior designing for big scale commercial spaces like resorts, hospitals and educational buildings to work on their space planning, services layout and detailed presentation drawings with application of concept in design.

2. Working Drawing- I

To learn technical details of furniture layouts, ceiling layout, electrical layout, plumbing layout with detail specifications. Furniture details in room elevations with precise dimensioning and specification.(residential project)

3. Interior Services- Iii

To learn in detail about HVAC systems, acoustics and landscaping in building.

4. Estimation & Costing- I

To learn types of estimation, costing and rate analysis of the designed project. Understanding of contract and contract documents based on interior design projects.

5. Contemporary Interior Design

To learn styles of Bauhaus and post modernism, modernism, international style, minimalism.

6. Design Elective- I

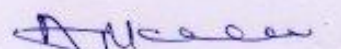
To choose an elective course to do specialisation in below mentioned topics on their liking:

- a) Presentation techniques.
- b) Adaptive reuse and recycling.

7. Furniture Construction & Detailing

Introduction to wood and substitute, basics of furniture construction and tools, plywood construction techniques, modular kitchens, furniture model making.




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III YEAR B.I.D- Semester VI

Professional Training

Internship training for 15 weeks to get experience of working in the professional Interior Designers / Architects offices duly enclosed by the principal of the college.

IV YEAR B.I.D- Semester VII

1. Interior Design- Vi

To design interiors for theatres/corporate offices/ computer centres/electronic offices/shopping malls etc. with presentation drawings, enlarged details of drawing, service layouts, views etc.

2. Working Drawing- Ii

To learn technical details of furniture layouts, ceiling layout, electrical layout, plumbing layout with detail specifications. Furniture details in spaces with precise dimensioning and specification.(commercial project)

3. Interior Design Code

To learn different codes on conduct in interiors like Fire safety codes, codes for lighting, codes for ventilation, codes for electrical layout, codes for barrier free environment.

4. Professional Practice-I

Study of Estimation tender documents, contract documents, valuation of interior schemes.

5. Project Management

Principles of project management, concept of PM, PM tools like CPM, PERT, project monitoring, H.R. in interior industry.

6. Design Elective- Ii

To choose an elective course to do specialisation in below mentioned topics on their liking:

- a) Textile design.
- b) Design contextual studies.

7. Project Report

The study of any one interior design project and report should include: synopsis of project, two detailed case studies relating to the topic, data collection, and finalization of requirements, conclusions, and solution for space with concept.




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IV YEAR B.I.D- Semester VIII

8. Project Work

Thesis/ dissertation on a topic chosen by an individual.

9. Design Elective- Iii

To choose an elective course to do specialisation in below mentioned topics on their liking:

- a) Interior Photography.
- b) Marketing Technique.

10. Design Elective- Iv

To choose an elective course to do specialisation in below mentioned topics on their liking:

- a) Interior Acoustics.
- b) Creative art and craft.




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BMM I – sem - I

Graphics-I

By studying Graphic Design students will have a wider horizon in the field of art and will Demonstrate artistic growth by executing a variety of images/text as images, traditional and contemporary techniques that solve complex design problems using creative thinking and analytical skills.

Visual Arts I

By studying Visual Arts students will develop and demonstrate understanding and skillful use of elements and principles of visual design- 1. Conceptual element 3. Relational element 2. Visual element 4. Practical or functional element

HTML Basics I

By studying HTML, students will be able to create web page or web design and create various links and form.

Fundamentals of Computer I

By studying Fundamentals of Computer students will be able to learn basic computer operations like Computer generations, RAM, ROM, MS Office, Paint, internet search engines.

Communication Skills I

By studying Communication Skills students will be able to learn and develops the competence in communication at an advanced level and to train them in communicating efficiently in the workplace and professional contexts.



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BMM I – sem - II

Graphics-II

By studying Graphics students will be able to learn Gain skill to use the digital tools as a powerful means of communication for creation, modification and presentation

Visual Arts II

By studying Visual Arts students will develop and demonstrate understanding and skillful use of elements and principles of visual design

HTML Basics II

Students learn concepts of web designing and basic Java Script will be developed. The candidate will be able to design basic website using HTML, Java Script and ASP.

Fundamentals of Computer II

Students will learn concepts of advance computer operations like Internet security, web directories, coral draw, internet graphics, Types of Internet Graphics Application and Future of Multimedia and Internet etc.

Communication Skills II

Students will learn concepts of Functional Grammar, Professional Skills like :Bio data, CV and resume writing Joining Letter, Cover Letter & Resignation letter etc. Presentation Skills, Interview Skill

Drawing and sketching

Students will learn concepts of drawing and sketching, How to draw proportional, Still Life, Nature, Perspective Drawing,



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BMM II – sem III

Digital Art photography I

Students will learn Principle of photography. Knowledge of Shutter speed, Aperture and ISO, these are the Pillar of Photography. Colour Temperatures in photography, types of lenses - prime lens, tele lens, wide angle, zoom lens and macro lens. Camera stands – tripods, monopods.

Script Writing & Story Board Designing I

Students will learn concepts of story board designing and writing.

Sound Editing –I

Students will learn concept of sound editing.

Advertising

Students will learn concept of an introduction of advertising and promotion. The course will cover the societal and managerial uses of advertising as a means of symbol formation and communication. Lectures, class exercises, discussions and videos will be used to explore topics of interest. Students will be involved in developing and presenting an apprehensive, promotional campaigns for product or service.


Flash Website Design

Students will learn concept of flash website designing using dream viewer, macromedia and few other applications

Management Skills

Students will learn concept of fundamentals of management. the course will develop the societal and managerial skills. Lectures, class exercises , discussions and videos will be used to explore topics of interest




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BMM II – Sem IV

Digital Art photography II

Students will learn Principle of photography. Types of light - ambient and artificial light, composition rules, different filters, reflectors, and light cutters. Different photo formats and commercial photography function photography, architectural photography.

Script Writing & Story Board Designing II

Students will learn concepts of story board designing and writing.

Sound Editing II

Students will learn concept of sound editing

Advertising

Students will learn concept of an introduction of advertising and promotion. The course will cover the societal and managerial uses of advertising as a means of symbol formation and communication. Lectures, class exercises, discussions and videos will be used to explore topics of interest. Students will be involved in developing and presenting an apprehensive, promotional campaigns for product or service.

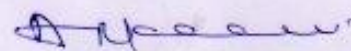
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Management Skills II

Students will learn concept of fundamentals of management. the course will develop the societal and managerial skills. Lectures, class exercises , discussions and videos will be used to explore topics of interest




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BMM III – sem V

2D and 3D Animation I

Students will learn concept of basic 2D animation, intermediate level, layout and background painting, cell animation, 2D graphics-creation features. Students will learn concept of basic 3D animation, Maya interface, polygon modeling, advance polygon modeling, basic texturing, basic lighting.

News Reporting and Editing I

Introduction: Journalism professional can make a good opportunity in educating, informing, persuading, interpreting and guiding.

The Need for Communication, Different types of Communication, Explain Western Models of Communication, Use of journalism and its power, News Structure, Data Journalism, The Changing Landscape,

Journalistic Writing.

Digital editing I

Students will learn concepts develop candidates ability to apply the concepts of digital editing & basic design skills using imported text & graphic objects.

Realistic concept of animation and Special effects I

Students will learn concepts of animation & basic design skills.

Video Production Techniques I

Students will learn concepts of Advanced Image Editing, Digital Video Editing , Record & edit digital audio using sound editing software Video capturing

Project Management & Estimation I

Students will learn concept of project management from concept, principles, practices to finalization of project




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BMM III – sem VI

2D and 3D Animation II

Students will learn concept of basic 2D animation, intermediate level, layout and background painting, cell animation, 2D graphics-creation features. Students will learn concept of basic 3D animation, Maya interface, polygon modeling, advance polygon modeling, basic texturing, basic lighting.

News Reporting and Editing II

This subject is in two semesters which will teach students to identify news, develop story ideas, research and report information, journalistic writing etc. They will learn proper reading of newspaper and to analyze access the information received from all media. Introduction to digital communication, Write, create, design web stories , blogs Elements of News,

New Narratives, Significance of Editorial, Basics of Editing

Editing Software's, Ethical issues, Introduction of Cyber Laws.

Digital editingII

Students will learn concepts develop candidates ability to apply the concepts of digital editing & basic design skills using imported text & graphic objects.

Realistic concept of animation and Special effectsII

Students will learn concepts of animation & basic design skills.

Video Production Techniques II

Students will learn concepts of Advanced Image Editing, Digital Video Editing , Record & edit digital audio using sound editing software Video capturing

Project Management & Estimation II

Students will learn concept of project management from concept, principles, practices to finalization of project



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BMM IV – sem VII

Script Writing and Story Board Designing

Students will learn concepts of concepts of story board designing and writing.

Digital editing – I

Students will learn concepts develop candidates ability to apply the concepts of digital editing & basic design skills using imported text & graphic objects.

Realistic concept of animation and Special effects

Students will learn concepts of animation & basic design skills.

BMM IV – sem VIII

Video Introduction to advance

Students will learn concepts of Advanced Image Editing, Digital Video Editing , Record & edit digital audio using sound editing software Video capturing


Digital editing II

Students will learn concepts of Advance Introduction to Adobe Premiere, workspace, preparing the footages, capturing the media. Video transitions, titling and graphics, rendering and authoring

Adobe Illustrator

Students will learn concepts of Adobe Illustrator for desktop publishing. Creating quality artworks & graphics utilizing the various tools in illustrator, develop skills in using: page layout, image capture and manipulation




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Programme outcomes of B.Sc. (Environment Science)

1. This programme will lay strong foundation of environmental concepts for posts graduate education and research.
2. Helps students in capacity building, developing environmental programmes /projects based on sound technical, environmental and policy matters of Government of India.
3. Develop ability to carry out experiments and provide efficient conclusions.
4. Develop an approach to work for needs of society regarding environment, health, safety considerations.
5. This programme will make students to understand the concept of sustainable development.
6. This programme will provide in-depth knowledge to the students in respect of current environmental and safety problems faced by human society and to develop amongst students' scientific attitude based on interdisciplinary approach to enable them to take holistic view in decision taking.

Course Outcome Semester I

DSC-A1 – Ecology and Ecosystem

1. Understand the basic concepts regarding ecology and ecosystem.
2. Get acquainted with biogeochemical cycles and succession.

DSC-A2 – Natural Resources

1. Introduction to the concept of natural resources and its classification.
2. Understanding natural resources of India.

DSC-A3 – Fundamentals of Geoscience

1. Understand origin of earth and different theories of evolution.
2. Awareness about various phenomenon taking place in atmosphere.

DSC-A4 – Fundamentals of Environmental Pollution I (Water)

1. Explain water pollution, its types and effects on living organisms and environment.
2. Analyse physico-chemical parameters in relation to water.

DSC-A5 – Fundamentals of Environmental Science

1. Get acquainted with interaction between man and environment.
2. Awareness about various environmental issues such as global warming, ozone depletion, deforestation etc.

DSC-A6– Soil Science

1. Understand the process of soil formation with respect to soil properties, soil chemistry.



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2. Inculcation of various soil conservation practices and understanding other aspects such as bioremediation and biofertilizers.

DSC-A7 – Fundamentals of Environmental Chemistry

1. Understand the basic concepts and scope of environmental chemistry.
2. Study the mechanism of various equipments utilized for environmental analysis.

DSC-A8 – Fundamentals of Environmental Biology

1. Identify the scope and importance of environmental biology.
2. Awareness about ecological adaptations and marine biology.

Semester II

DSC-B1 – Fundamentals of Environmental pollution II (Air & Noise)

1. Study the sources and effects of air and noise pollution.
2. Explain the working of air pollution controlling devices and institutions working for the cause of environment.

DSC-B2 – Biological Diversity and Conservation

1. Study the concept, need, types and scope of biodiversity.
2. Know various biodiversity conservation measures and organizations working for it.

DSC-B3– Climate Change and Sustainable Development

1. Study the causes and effects of global environmental issues in relation to global warming and ozone depletion.
2. Inculcate the concept of sustainable development and practices.

DSC-B4 – Forest Management

1. Study the need of forest management and agroforestry, principles of forest management and legal aspects of forest management.
2. Understand the concept of silvicultural systems and management of forest resources.

DSC-B5 – Solid and Hazardous Waste Management

1. Study the fundamentals of solid and hazardous waste management.
2. Learning the rules and regulations of solid and hazardous waste.

DSC-B6 – Occupational Health & Safety

1. Get acquainted with importance of industrial safety to workers and use of PPE'S.
2. Making students to understand the methods of strategic planning for hazard prevention.



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DSC-B7 – Remote Sensing & GIS

1. Introduction to remote sensing, GIS and satellites.
2. Study applications of Remote Sensing, GIS and satellites.

DSC-B8 – Computer Applications

1. Understand the basic concepts of hardware and software.
2. Learn various computer applications through report writing in MS word and presentation of data through Excel and power point.

Semester III**DSC-C1 – Disaster Management-1 (Natural)**

1. Understand the concepts, effects and mitigation measures of natural disasters.
2. Get acquainted with assessment of hazards and legal aspects.

DSC-C2 – Biostatistics:

1. Understanding use of statistical methods for environmental studies.
2. Understanding methods of collection and analysis of data.

DSC-C3 – Environmental Ethics and Environmental Issues

1. Understand the causes and effects of various environmental issues.
2. Get acquainted with environmental ethics from Indian perspective.

DSC-C4 – Environmental Engineering-I (Water)

1. Understand the demand of water for various purposes.
2. Understand various steps involved in water treatment.

DSC-C5 – Environmental Impact Assessment

1. Understand the need and objectives of EIA.
2. Understand the impacts of various developmental activities on environment.

DSC-C6– Environmental Biotechnology

1. Understand the need and importance of biofuels, biopesticides and vermicomposting.
2. Inculcation of biotechnology approaches to solve environmental problems.



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Semester IV

DSC-D1 – Environmental Microbiology

1. Understand the basic concepts and scope of environmental microbiology.
2. Study the mechanism of various waterborne and airborne diseases.

DSC-D2 – Environmental Management System and Audit

1. Understand the scope, objectives and need of environmental auditing.
2. Understand the importance of Environment Management System.

DSC-D3 – Environmental Engineering (Waste water)

1. Study the characteristics and constituents in waste water.
2. Understanding primary, secondary and tertiary treatments to be provided to waste water.

DSC-D4 – Environmental Education and Policy

1. Study the background, need, objectives and status of environmental education.
2. Get acquainted with various environmental laws in India.

DSC-D5– Environmental Economics

1. Study the need of economics for environment management.
2. Study the environmental valuation and techniques of biodiversity valuation.

DSC-D6 – Disaster Management (man made)

1. Understand causes and mitigation measures of man-made disasters.
2. Understand various measures of disaster preparedness and disaster management in India.

Semester V

DSE-E1: Land and water management

1. To understand the historical perspectives of land and water management in India.
2. Get knowledge about sustainable land and water management practices.

DSE-E2: Environmental Legislation

1. To get acquainted with various environmental laws in India.
2. Study the importance of environmental laws for environmental conservation.



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DSE-E3: Carbon Sequestration & Ecological Footprints

1. To study the impacts of various human activities on environment.
2. Understand various sources of carbon emissions and sinks of carbon.

DSE-E4: Wildlife Management

1. To study different wild animals, their habitats and their importance in maintaining ecological balance.
2. To understand the reasons behind exploitation of wildlife and mitigation measures.

Semester VI

DSE-F1: Environmental Toxicology

1. To study different kinds of toxic elements and their impacts on human beings and animals.
2. To study different remediation techniques to remove toxic elements from ecosystems.

DSE-F2: Ecorestoration

1. To understand about different forest conservation methods.
2. To learn about various methods of ecorestoration.

DSE-F3: Sustainable agricultural practices

1. To understand negative impacts of intensive cropping on soil quality.
2. Get knowledge about different sustainable agricultural practices.

DSE-F4: Ecotourism

1. To get acquainted with methods which can be used to promote ecotourism.
2. To promote the environmental conservation through ecotourism.



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B.Com (Bank Management)

➤ Program Specific Outcome

1. This program will make students to understand the role of banking sector in Indian economy.
2. This Program will provide in-depth knowledge to the students in respect of currents trends in banking sector as well as various banking models taking place in India.

➤ Program Outcomes After completing B.com (Bank management) course the students will be able to

1. Identify the different functional aspects of banking world and recognize different opportunities in banking sector.
2. Acquire the different skills necessary for professional attitude.
3. Identify the problems and challenges faced by banks in reaching remote areas of the country as well as recent trends in banking sector.
4. Identify role and importance of technology in banking sector.
5. Analyze the day to day banking operations in practice

Course outcome

Part –I

Semester –I

Accountancy Paper- I

To impart the knowledge of various accounting concept and to instill the practical knowledge about basic accounting procedures with the help of problems. To acquaint students with knowledge of Bank Reconciliation Statement and its use.


Principles of Business Management Paper- I

To make students well verse about the concept of management and its functions. To study various theories of management, developed by experts and its applications.

Business Economics Paper- I

To expose student to basic Micro Economics concepts and inculcate an analytical approach to the subject matter. To make the students understand, application of various economic theories by the business for decision making.




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Impression Management Paper- I

To make students familiar with the concept and techniques of impression management and to make the students to acquire, skills of impression management to improve their employability prospects.

Principles And Practice Of Banking

To introduce students to fundamental concepts of banking and to provide knowledge of banking operations and introduced new concepts in banking system.

Rural And Social Banking

To make students understand the concept, role and financial system of rural banking along with the development in rural financing and concept of social banking.

Semester –II**Accountancy Paper- II**

To impart the accounting knowledge related to Joint Ventures ,Financial statements and working Capital. To make student aware of accounting software like Tally.

Principles of Marketing

To help the students to understand the concepts & principles of Marketing and their applications. • To study the recent changes in the field of marketing.

Business Economics paper II

To make students aware about the cost and revenue concepts. To help students understand the concept of product pricing and factor pricing.

Impression Management Paper II

To acquaint the students with the concept and techniques of self-presentation skills, interview techniques, group discussion and business etiquettes. To make the students acquire various soft skills that are required to improve their employability.

Central Banking :

To make students familiar with central banking and its functions. • The make students understand the monetary policy of RBI and subsidiary Organizations of RBI.

Agriculture And Cooperative Banking

To make students understand agricultural financing , cooperative banking and structure of Indian cooperative Banking. This understanding will help the students to improve their employability.



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Part II

Semester –III

Accountancy III (Accounting for Bank Managers):

To make the students understand the concepts and difference between capital and revenue. To make them know the process of preparation of financial statements of bank and the statements of changes in financial position

Human Recourse Management:

To make students familiar with basic concepts, principles & functions of Human Resources Management. To make them understand procurement process of human resources ,importance of training and development for the employees and importance of performance appraisal for the employees and organization.

Business Economics (Recent Trends In Indian Economy) :

To make the student understand the changing trends in major components of Indian economy and Students will get an insight into the changing scenario of agricultural, industrial and service sector. Student will also be aware regarding policies implemented in globalization era, about India's foreign trade and its dimensions.

Business Mathematics and Statistics

To make understand ratios, proportions, percentages, and interest. To make them familiar with matrices and perform matrix operations, use of sampling techniques to collect data and descriptive statistics tools to analyze data and construct various index numbers.

Corporate Banking

Students will understand the concept and importance of corporate banking. This knowledge will help them to understand corporate banking products and corporate banking services . This will help students to conduct corporate banking business.

Retail Banking:

To make students understand the concept and importance of retail banking which will help them to apply the knowledge of loan products in banking practices. This knowledge will help them become expert in retail banking services and will be able to conduct retail banking business in appropriate manner.



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Semester –IV

Accountancy (Bank Audit and Reporting) :

To make students understand audit of banks, types of audit and reporting requirements of bank audit. Audit in Computerized Environment will help students to understand the recent trends in bank audits.

Organizational Behavior :

To make students familiar with the concept, significance of organizational behavior, foundation of individual behaviors and group behaviors along with this students will also understand organizational conflict- Concept, resolution and organizational Development

Business Economics (Recent Trends in Banking) :

Students will be able to understand the recent terms and concepts in banking sector, knowledge of banking policies in business, applications of IT In banking and Bank Mergers, applications of Electronic Delivery Channels and innovative Banking in India.

Research Methodology:

To equip the students with the basic concepts of research ,develops their scientific approach for a research study and develop students report writing skills

International Banking:

To make students understand the concept and importance of international banking, functioning of international financial institutions ,export-import credit facilities and International credit.

Development Banking:

To make students understand concepts and functions of Development Banks ,to enhance knowledge about Specialized Financial Institutions in India and to provide knowledge about Functions, Progress and Problems of Development Banks. Students will also be able to understand Recent Trends in Development Banking



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Part III

Semester –V

Entrepreneurship Development :

To make the student understand basic entrepreneurial concepts and rural entrepreneurship. To make students aware about entrepreneurship development so that they can try for self employment.

Indian Banking Environment :

To make students understand products, players and functioning of financial markets, particularly the capital market and regulatory issues. Subject will also help students understand recent development in Indian banking sector.

Bank Technology in India :

To make students understand applications of IT In Banking, ATM & POS Terminals, E-Payment Channels, and Internet Banking Procedural Guidelines which will help them to apply it in day to day life.

Credit and Risk Management :

To make students understand concept of risk management, credit risk management and Risk Management Under Basel I & II. Knowledge of this help students understand the risk markets and its workings.


Project Report and Viva voce :

To make students understand guidelines for project report and viva voce such as scope , objectives ,synopsis, research methodology ,data analysis, data interpretation and writing of project report. This will help students during their viva.

Financial Markets and services :

To make students understand basics and concepts of Financial Markets in India . It will help them understand Primary & Secondary Capital Markets and Financial Services & Trading Procedures which they can practically apply.




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Semester –VI

Modern Management Practices

To make students familiar with the modern management practices being used by the corporate world. To expose the students to importance and applicability of various modern management practices while making business related decisions.

Foreign Exchange & Foreign Trade Finance :

To make students understand basics and concept of Foreign Exchange, Exchange Rates Determination, Transactions in the foreign Exchange Market ,Foreign Trade Finance & International Organizations.

Product Development :

To make students understand various products of bank and its services like bank loan facilities, credit card facilities, debit cards, purchase cards, cash management, hedging agreements and ACH agreements.

Treasury Management :

To make students understand basics and concepts of Treasury Management ,Treasury operations and Treasury & International Banking.

Banking and Cyber laws :

To make students understand regulatory Framework for Banking in India, Laws Related to Banking and Operations of Cyber Law & Cyber Crimes.

Project Appraisal and Monitoring :

To make students understand the concept of project appraisal where the project report is scrutinized on the basis of economic, technical, commercial, financial, market environment and managerial aspects. It also helps to understand importance of monitoring the project after its implementation.




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