

## Module details

No	Course	Module Details
01	Food Technology	<p><b>5-I</b> - Characteristics of Food Raw Materials &amp; Ingredients, Storage of Food Raw Materials &amp; Ingredients, Preparation of Food Raw Materials &amp; Ingredients, Food Processing Technology - I, Fundamentals of food chemistry, Fundamentals of food microbiology.</p> <p><b>5-II</b> - Resource planning for food processing - I, Food manufacturing process control -I, Cleaning and sanitization in food processing plant and machinery, Packaging materials, Basic technologies in food packaging, Food quality and food safety management system, Basic statistics for data handling.</p> <p><b>6-I</b> - Resource planning for food processing - II, Food manufacturing process control - II, Food processing technology - II, Management and implementation of food quality and food safety systems, Advanced technologies in food packaging and packaging material testing, In-factory final product improvement, In-factory process and technology improvement.</p> <p><b>6-II</b> - Transport and distribution of products, Product development and Sensory evaluation, Entrepreneurship and marketing, Mini Research Project.</p>
02	Fashion Designing Technology	<p><b>5-I</b> - Introduction to Fashion Design, Introduction to Trend Research in Fashion I, Concept Development &amp; Visual Presentation I, Concept Development &amp; Visual Presentation II,</p>

		<p>Basic Design Development, Fashion Illustration &amp; Technical Drawing I.</p> <p><b>5-II</b> - Pattern Making I, Fabrics, Trims &amp; Accessories, Garment Construction, Product Development I, Portfolio Development &amp; Presentation.</p> <p><b>6-I</b> - Introduction to Trend Research in Fashion II, Design Development, Fashion Illustration &amp; Technical Drawing II, Value Added Applications in Fashion.</p> <p><b>6-II</b> - Pattern Making II, Product Development II, Fashion product marketing and Portfolio presentation, Professional development.</p>
03	Cosmetology	<p><b>5-I</b> - Introduction to Professional Cosmetology &amp; Ethics, Health, Safety &amp; First Aid in Cosmetology Services, Limitations of Cosmetologists with respect to Skin, Hair and Nail disorders to be attended, Nutrition, Diet and Exercise related to Cosmetology, Cosmetic products for Nail, Skin &amp; Hair Services, Advance Skin Care.</p> <p><b>5-II</b> - Advance Hair treatments and advance hair dressing, Customer care, market promotions and interpersonal relations in the salon, Advance hand care and foot care, Regulatory requirement for hair and beauty industry, Infrastructure and equipment maintenance.</p> <p><b>6-I</b> - Ayurvedic Beauty Therapy, Anatomy and physiology of skin, hair and nails, Advanced Make Up, Staff Training and Development.</p> <p><b>6-II</b> - Organize competition and shows, Marketing of cosmetology services, Entrepreneurship in Cosmetology, Advance Skin Technology, Chemical Services on Hair.</p>

04	Maritime & Logistics Management	<p><b>5-I</b> - Introduction to Shipping, Sales &amp; Marketing, Introduction to Documentation &amp; Customer Service, Basic Human Resource Management &amp; General Office Administration.</p> <p><b>5-II</b> - Vessel Husbanding, Cargo Operations &amp; Transshipment I, Equipment Control, Equipment Inventory Management,</p> <p><b>6-I</b> - Cargo Operations &amp; Transshipment II, Elements of Shipping Accounting, Basic Shipping Law &amp; Conventions, Shipping Operations Management, Documentation in Commercial Shipping,</p> <p><b>6-II</b> - Port and Terminal Management, Shipping Business Management, Logistics and Multi Model Transport Management,</p>
05	Television Program Production Technology	<p><b>5-I</b> - Basic Technology in Audio Visual Production, Basics of Production planning Methods, Introduction to Mass Communication, Fundamentals of Screenplay Writing, Aesthetic of Editing, Camera Technology &amp; Techniques, Basic of Engineering Mathematics, Techniques of AV Production Development, Basic Technology of Lightning &amp; Lightning Techniques.</p> <p><b>5-II</b> - Aspect of Post-Production Plan, Basic Application of Audio technology and Techniques, Application of Graphics and animations in AV Production, Basic of Production designing, Application of Make-up in AV Production, Basic of Editing technology and Techniques, Multi-Camera Technology Techniques, Understanding Direction &amp; Director, Basic of Broadcasting Technology, Ethics, Intellectual property rights &amp; Media law, Occupational safety &amp; Health Procedures &amp; Practices, Final Project-I (Individual submission).</p>

06	Television Post Production Technology	<p><b>5-I</b> - Basics of Engineering Mathematics, Introduction to Mass Communication, Basics of Technology for Audio Visual Production, Comprehending Screenplay for Post-Production, Designing 2D Graphics for AV Production, Developing 2D Computer Graphics, 2D Animation, Aesthetic of Editing, Comprehending 3D Animation in Post-Production, Single Camera Production.</p> <p><b>5-II</b> - Engineering Mathematics, Aspects of Post-Production Planning, Audio Technology &amp; Techniques in Post-Production, Online &amp; Offline Editing, Basics of Editing Technology &amp; Techniques, Multi Camera Technology &amp; Production Techniques, Color Correction &amp; Composition Techniques, Basics of Broadcasting Technology, Ethics, Intellectual Property Rights &amp; Legislation, Occupational Safety &amp; Health, Final Project-I.</p> <p><b>6-I</b> - Film Language &amp; Aesthetics, Art, Culture &amp; critical theory, Audio Video Technology for New Media, Introduction to Media Marketing of AV products, Writing for screen, Designing Screen Production, Audio Video Content Production for New Media, Sound Design Technology &amp; Techniques.</p> <p><b>6-II</b> - Entrepreneurship Development, Production Management in Screen Production, Lighting Techniques for Animation, 3D Animation, Color Grading Techniques, Authoring &amp; Mastering</p>
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07	Travel & Tour Management	<p><b>5-I</b> - Introduction to Tourism, Information services for Tourism, Tourist services, Travel Management.</p> <p><b>5-II</b> - Travel Agency Operations, Designing and development of tourism product, Selling Tourism Products, Human Resource Management for Travel and Tour operations.</p> <p><b>6-I</b> - Financial Management and Accounting, Tourism Infrastructure Management, Occupational Health and Safety, Resource Management in Tourism, Legal issues in tourism industry.</p> <p><b>6-II</b> - Tourism Economics, e-marketing and e-business in Tourism, Promoting Tourism Products, Risk Management in the Tourism &amp; Hospitality industry, Applied Research Methods, Supply Chain Management</p>
08	Event Management	<p><b>5-I</b> - Fundamentals of Event Management, Event Goals, Objectives &amp; Strategies, Event Planning Process, Manage Implementation Process of the Event, Business Organization &amp; Management, IT &amp; Managing Information.</p> <p><b>5-II</b> - ICT for Event Management, Occupational Health &amp; Safety Procedures, English for Event Management, Event Leadership &amp; Communication I, Event Concept &amp; Designing.</p> <p><b>6-I</b> - Marketing Management, Marketing Planning for Events, Event Promotion &amp; Public Relations, Human Resource Management, Organize Team for an Event, Event Leadership &amp; Communication II.</p> <p><b>6-II</b> - Managing Event Risk and Security, Basic Event Accounting and Financing, Event Proposals, Entrepreneurship Development, Quality Management for Event Management</p>

09	Electrical Technology	<p><b>5-I</b> - Basic Module in Principles of Electrical Engineering I, Engineering Mathematics, Electronics I, Troubleshooting Techniques, Electrical Installation Practices, ICT for Electrical Technology.</p> <p><b>5-II</b> - Basic Module in Principles of Electrical Engineering II, Electronics II, Electrical Power System I, Electrical Machines I, Industrial Electrical &amp; Electronic Instrumentations.</p> <p><b>6-I</b> - Electronic Power Control System, Electrical Power System II, Electrical Machines II, Introduction to Industrial Automation, Residential Electrical Installation Systems.</p> <p><b>6-II</b> - Transmission and Distribution, Advance Programmable Logic Controls, Industrial &amp; Commercial Installation Systems, Electrical Switch Gear &amp; Protection Systems, Electrical Safety.</p>
10	Telecommunication Technology	<p><b>5-I</b> - Occupational Health &amp; Safety, Fundamentals of Applied Electricity and Electronics -1, Fundamentals of Communications - I, Data Communication and Computer Networking - I, Computer Architectures and Programming Fundamentals, Advanced Mathematics -I.</p> <p><b>5-II</b> - Fundamentals of Applied Electricity and Electronics - II, Fundamentals of Communication - II, Mobile Communication and Other Wireless Communication Systems, Advanced Mathematics - II, Optical Fiber Transmission, Customer Premises Equipment Installation, Information &amp; Communications Technology for Business.</p> <p><b>6-I</b> - Introduction to Electrical Installation, Telecommunication Standards, Regulation and Policy Making, Wave Propagation, Antennas, Microwave Communication and Satellite Communication, Networking Technologies, Engineering Mathematics - III, Object Oriented Programming and Practice.</p> <p><b>6-II</b> - Network Security, Developing and deploying IOT,</p>

Annexure 01

		Communication Core Networks Designing Concepts, Introduction to Web Application Development, Project Management, Emerging and Trending Technologies in Communication, Fundamentals of Entrepreneurship.
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Visiting lecturer recruitments are required for **specific modules** in below mentioned areas/ fields of study.

#	Area of Study	Related Programs of University College Ratmalana)
1	Occupational Health & Safety	All programs
2	Organization management (Information Management, Communication Management, Teamwork, Leadership, Planning, Organization Culture)	All programs
3	Entrepreneurship & Business Management	Food Technology TV Postproduction Technology TV Program Production Technology Cosmetology
4	Marketing	TV Postproduction Technology TV Program Production Technology Cosmetology
5	Project Management	Telecommunication Technology
6	Statistics & related modules	Food Technology
7	Human Resource Management	Travel & Tour Management Event Management