



॥ सा विद्या या विमुक्तये ॥

स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड

'ज्ञानतीर्थ', विष्णुपुरी, नांदेड - ४३१ ६०६ (महाराष्ट्र राज्य) भारत

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

'Dnyanteerth', Vishnupuri, Nanded - 431 606 (Maharashtra State) INDIA

Established on 17th September, 1994, Recognized By the UGC U/s 2(f) and 12(B), NAAC Re-accredited with 'B++' grade

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Academic-1 (BOS) Section

वाणिज्य व व्यवस्थापन विद्याशाखे अंतर्गत राष्ट्रीय शैक्षणिक धोरण २०२० नुसार पदवी B.B.A (Agri Business Management, Affiliated College) द्वितीय वर्षाचा अभ्यासक्रम (Syllabus) शैक्षणिक वर्ष २०२५-२६ पासून लागू करण्याबाबत.

परिपत्रक

या परिपत्रकान्वये सर्व संबंधितांना कळविण्यात येते की, विद्यापीठा अंतर्गत येणा-या सर्व संलग्नित महाविद्यालयांमध्ये शैक्षणिक वर्ष २०२५-२६ पासून पदवीस्तरावर राष्ट्रीय शैक्षणिक धोरण -२०२० लागू करण्याच्या दृष्टीकोनातून वाणिज्य व व्यवस्थापन विद्याशाखे अंतर्गत येणा-या अभ्यासमंडळांनी तयार केलेल्या पदवी द्वितीय वर्षाच्या अभ्यासक्रमांना वाणिज्य व व्यवस्थापन विद्याशाखेच्या शिफारसीनुसार मा. विद्यापरिषदेने दि.२७ मे २०२५ रोजी संपन्न झालेल्या बैठकीतील विषय क्रमांक १९/६१-२०२५ च्या ठरावाअन्वये BBA II year (Agri Business Management, Affiliated College) अभ्यासक्रमास मान्यता प्रदान केली आहे. त्यानुसार सदर विषयांचे अभ्यासक्रम (Syllabus) लागू करण्यात येत आहे.

सदरील परिपत्रक व अभ्यासक्रम प्रस्तुत विद्यापीठाच्या www.srtmun.ac.in या संकेतस्थळावर उपलब्ध आहेत. तरी सदरील बाब ही सर्व संबंधितांच्या निदर्शनास आणून द्यावी, ही विनंती.

'ज्ञानतीर्थ' परिसर,

विष्णुपुरी, नांदेड - ४३१ ६०६.

जा.क्र.:शै-१/एनईपी/बीबीए/२०२५-२६/२०१

दिनांक २०.०८.२०२५



सहा-मुख्यसचिव

शैक्षणिक (१-अभ्यासमंडळ) विभाग

प्रत : १) मा. आधिष्ठाता, वाणिज्य व व्यवस्थापन विद्याशाखा, प्रस्तुत विद्यापीठ.

२) मा. संचालक, परीक्षा व मुल्यमापन मंडळ, प्रस्तुत विद्यापीठ.

३) मा. प्राचार्य, सर्व संबंधित संलग्नित महाविद्यालये, प्रस्तुत विद्यापीठ.

४) मा. संचालक, सर्व संकुले परिसर व उपपरिसर, प्रस्तुत विद्यापीठ

५) मा. प्राचार्य, न्यू मॉडल डिग्री कॉलेज हिंगोली.

६) सिस्टीम एक्सपर्ट, शैक्षणिक विभाग, प्रस्तुत विद्यापीठ. याना देवून कळविण्यात येते की, सदर परिपत्रक संकेतस्थळावर प्रसिध्द करण्यात यावे.

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED



Curriculum Structure for BBA II Year of

**Bachelor in Business Administration
(Agribusiness Management) (Honours),
&**

**Bachelor in Business Administration
(Agribusiness Management) (Honours with Research)**

**Under
Faculty of Commerce & Management
(Affiliated Colleges)**

**Effective from Academic year 2025 – 2026
(As per NEP-2020)**

**From Desk of Dean,
Faculty of Commerce and Management**

From Dean's Desk:

To meet the challenge of ensuring excellence in Commerce and Management education, the issue of quality needs to be addressed, debated and taken forward in a systematic manner. Accreditation is the principal means of quality assurance in higher education. The major emphasis of accreditation process is to measure the outcomes of the programme that is being accredited. In line with this, Faculty of Commerce and Management, SRTM University of Nanded has taken a lead in incorporating guidelines given by All India Council for Technical Education (AICTE).

Faculty of Commerce and Management, SRTM University, Nanded in one of its meetings unanimously accepted that, Model Curriculum prepared by Expert Committee constituted by the All-India Council for Technical Education (AICTE) for the Bachelor of Business Administration (BBA) and Bachelor of Management Studies (BMS) programs at the Undergraduate Level. In alignment with our continuous endeavour to enhance the quality of education in Our University, we embarked to implement the Model Curriculum for Bachelor of Business Administration (BBA). I am happy to state that, Board of studies has adhered to Model Curriculum constituted by the All-India Council for Technical Education (AICTE).

We are hopeful that this model curriculum will serve as a benchmark for management education in Our University and contribute significantly to the growth and development of the nation's future business leaders.

**Prof. D M Khandare,
Dean, Faculty of Commerce and Management,
Swami Ramanand Teerth Marathwada University, Nanded**

Chairman's Desk

Education is the movement which brings the students, people, and the whole society from darkness to light. Education is a natural melodious and enlightened development of man's instinctive supremacies. Education is the dynamic process which activates the inbuilt traits and develops the child according to the needy situation and time. Commerce and Management education is the platform for any common man to conduct the various business activities smoothly and progressively. Commerce and Management education is basically that form of instruction which directly and indirectly prepares the businessman for his work. Commerce and Management education is a living discipline and is totally different from other disciplines. Hence it must charter new routes to service the aspirations of the nation.

A Commerce and Management UG program must therefore have a mission statement which is in conformity with program objectives and program outcomes that are expected of the educational process. The outcomes of a program must be measurable and must be assessed regularly through proper feedback for improvement of the Program. There must be a quality assurance process in place within the Institute to make use of the feedback for improvement of the Program. The curriculum must be constantly refined and updated to ensure that the defined objectives and outcomes are achieved. Students must be encouraged to comment on the objectives and outcomes and the role play individual courses in achieving them. In line with this Faculty of Commerce and Management in Swami Ramanand Teerth Marathwada University – Nanded, We the chairmen of Board of Studies in 01) Accounts and Applied Statistics 02) Business Economics 03) Business Studies 04) Commercial and Mercantile Law 05) Management Science and Business Administration (Including NGO) Swami Ramanand Teerth Marathwada University - Nanded, happy to state here that, Program Objectives were finalized in a meeting where more than 60 members from different Institutes were attended, who were either Heads or their representatives of all five Board of Studies.

Dr. C.K. Harnawale- Chairman, BOS in Business Economics

Dr. P.T. Pawar- Chairman, BOS in Business Studies

Dr. D.S. Yadav- Chairman, BOS in Commercial and Mercantile Law

Dr. M.S. Rode - Chairman, BOS in Management Science & Business Administration (Incl. NGO)

Dr. H.W. Kulkarni- Chairman, BOS in Accounting and Applied statistics

SEMESTER III							
Sr. No	Course Code	Course Title	Teaching hours per week (L+T+P)	End of Semester Examination (ESE)	Continuous Assessment (CA)	Total Marks	Total Credits
1.	CMBBA CC301	Cost and Management Accounting	3+1+0	50	50	100	4
2.	CMBBA CC302 (Major)	Agro-Techniques of Principal Field Crops- I (Kharif)	3+1+0	50	50	100	4
3.	CMBBA CC303 (Minor)	Fundamentals of Horticulture	3+1+0	50	50	100	4
4.	CMBBA MDE301	Indian Systems of Health and Wellness	1+1+0	25	25	50	2
5.	CMBBA SEC301	Management Information System (MIS)	2+0+4	50	50	100	4
6.	CMBBA VAC301	Yoga / Sports /NCC/NSS/ Disaster Management	0+0+4	25	25	50	2
Total				250	250	500	20

Re-entry Criteria in to Second Year (Third Semester)

The student who takes an exit after one year with an award of certificate may be allowed to re-enter in to Third Semester for completion of the BBA Program as per the respective University /Admitting Body schedule after earning requisite credits in the First year.

SEMESTER IV							
Sr. No	Course Code	Course Title	Teaching hours per week (L+T+P)	End of Semester Examination (ESE)	Continuous Assessment (CA)	Total Marks	Total Credits
1	CMBBA CC401	Entrepreneurship and Startup Ecosystem	1+1+0	25	25	50	2
2	CMBBA CC402 (Major)	Agro-Techniques of Principal Field Crops-II (Rabi)	3+1+0	50	50	100	4
3	CMBBA CC403	Financial Management	3+1+0	50	50	100	4
4	CMBBA CC404 (Minor)	Production management of horticultural crops	3+1+0	50	50	100	4
5	CMBBA VAC401	Business environment and public policy [2-0-0] or Enterprise System and platforms [0-1-2] or Geo Politics and impact on business [2-0-0] or Public Health and management [2-0-0]	50	25	25	50	2
6	CMBBA CC405	International Business	2+0+0	25	25	50	2
7	CMBBA SEC401	Design Thinking and Innovation	1+1+0	25	25	50	2
TOTAL				250	250	500	20

Note:

1. At the end of the Fourth Semester every student shall undergo Summer Training / Internship / Capstone for Eight Weeks in the industry/Research or Academic Institute. This component will be evaluated during the fifth semester.
2. An **UNDER GRADUATE DIPLOMA IN BUSINESS ADMINISTRATION** will be awarded, if a student wishes to exit at the end of Second year.

Exit Criteria after Second Year of BBA Programmers

The students shall have an option to exit after 2nd year of Business Administration Program and will be awarded with a UG Diploma in Business Administration. Students on exit have to compulsorily complete additional 04 Credits either in a Skill based subject or work based Vocational Course offered during summer term or Internship/Apprenticeship / Social Responsibility & Community Engagement – encompassing community engagement with an NGO /

Capstone Project after the fourth semester of minimum 8 weeks of duration as decided by the respective University / Admitting Body.

The exiting students will clear the subject / submit the Internship Report as per the University / Admitting Body schedule.

1. Internal Assessment (IA):

The internal assessment is based on the student's performance in mid semester tests (two best out of three), quizzes, assignments, class performance, attendance, viva- voce in practical, lab record etc. At least 04 assignments covering entire syllabus must be given during the 'module wise assignments'. The quizzes should be all students' centric and an attempt should be made to make quizzes more practical, interesting and innovative. Attendance of minimum 75% in all subjects recorded from time to time & Overall Class Performance of the student must be considered for 10 marks.

Internal Assessment for Papers with 4 Credits is as follows:

Sr. No	Particulars	Marks
1	Mid Semester Test - Three (two best out of three)	20 Marks
2	Assignment	10 Marks
3	Quizzes	10 Marks
4	Attendance & Class Performance	10 Marks
	Total	50 Marks

Internal Assessment for Papers with 2 Credits is as follows:

Sr. No	Particulars	Marks
1	Mid Semester Test - Three (two best out of three)	20 Marks
2	Assignment	05 Marks
	Total	25 Marks

2. University Assessment (UA):

- Question paper will comprise of 6 questions, each carrying 10 marks. The students need to solve total 5 questions.
- Question No.1 shall be compulsory based on Entire Syllabus & shall have total 8 short answer questions carrying 2 Marks each, out of which solve any 5 short notes ($5 \times 2 = 10$ Marks)
- Question No. 2 to Question No. 5 will be Broad Questions of 10 Marks each, out of which solve any Three Questions ($10 \times 3 = 30$ Marks)
- Question No. 6 will be Compulsory Case Study / Numerical Based on Entire Syllabus / All Modules (10 Marks)
- Depending upon the nature of subject, the Questions may Be Conceptual/ Numerical/ Applied/ Case Study etc.
- The university rules shall be followed when admitting students into the next higher semester for BBA. However, ATKT Rules will be applicable as per University Norms or the AICTE Model syllabus.

Sample Paper Pattern for 50 Marks Examination: -

Q.1	Short Notes Based on Entire Syllabus / All Modules (Compulsory)	10 Marks
Q.2	Based on Entire Syllabus / All Modules	10 Marks
Q.3	Based on Entire Syllabus / All Modules	10 Marks
Q.4	Based on Entire Syllabus / All Modules	10 Marks
Q.5	Based on Entire Syllabus / All Modules	10 Marks
Q.6	Case Study / Numerical Based on Entire Syllabus / All Modules (Compulsory)	10 Marks

Minimum Marks for Passing in for 50 Mark Papers shall be:

1. Internal Assessment (IA):	40% (20 Marks)
2. University Assessment (UA):	40% (20 Marks)

Sample Paper Pattern for 25 Marks Examination: -

Q.1	Short Notes Based on Entire Syllabus / All Modules (Compulsory)	10 Marks
Q.2	Based on Entire Syllabus / All Modules	10 Marks
Q.3	Based on Entire Syllabus / All Modules	10 Marks
Q.4	Case Study / Numerical Based on Entire Syllabus / All Modules (Compulsory)	05 Marks

Minimum Marks for Passing in for 25 Mark Papers shall be:

1. Internal Assessment (IA):	40% (10 Marks)
2. University Assessment (UA):	40% (10 Marks)

SEMESTER -III

CMBBACC 301	Cost and Management Accounting	4L:0T:0P	4 Credits
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Course Description:

This course covers the fundamental concepts and various aspects in Cost as well as Management accounting. This course discusses how to prepare a cost sheet, costing for materials, labour cost and overheads. This course also talks about financial statement analysis using various tools like comparative and common size Income Statements and Balance Sheet, Trend Analysis, Ratio Analysis, Cash Flow Statement, Budgets and Budgetary Control. It also throws some light on Management Reporting in general. And thus this course as a part of the Business administration programme provides fundamental knowledge and basic understanding on various methods, tools and techniques of cost and management accounting helpful for financial decision making required for a budding professional in the domain of accounting and finance.

Course Objectives:

1. To familiarize the learners with the basic concepts and processes used to determine product costs and ascertain Material, Labour and Overhead cost.
2. To enrich the knowledge of the learners in knowing and applying various tools like ratio analysis, cash flow statement, marginal costing for analysing the financial statements for managerial information
3. To provide with the basic understanding of budgetary control
4. To develop the knowledge of the learners to understand and prepare a management report.

Course Content:

Unit-I: Introduction to Cost and management accounting

Definitions, features, objectives, functions, scope, advantages and limitations. Relationship and differences between Cost accounting, Management accounting and Financial Accounting. Cost Concepts-Cost classification - Elements of cost - Preparation of cost sheet and quotation. Material cost- direct and indirect material cost, Inventory control techniques-stock levels, EOQ, ABC analysis. Issue of materials to production pricing methods-FIFO, LIFO and Average methods. Labor cost: direct and indirect labour cost-methods of payment of wages including incentive plans - Halsey and Rowan plans, Tailors Piece Rate method. Overheads: features, classification, methods of allocation and apportionment of overheads, primary and secondary distributions.

Unit II: Marginal Costing and Budgetary control

Marginal Costing-Meaning - Importance - Marginal Cost Equation - Difference between Marginal costing and Absorption costing - Break Even Analysis-Meaning and Importance - Break even chart-P/V ratio - Cost Volume Profit Analysis- Margin of Safety-Angle of Incidence- Problems in Marginal costing. Budgets - Meaning and importance - Budgetary Control-Meaning and Importance-Types of Budgets, practical problems - Flexible Budget and cash Budget,

Unit-III: Financial Statement Analysis

Comparative Income Statements and Balance Sheets- Common Size Income Statements and Balance Sheet analysis- Trend Analysis. Ratio Analysis - Introduction, Classification & Interpretation of Ratios-Liquidity ratios, Solvency ratios, Proprietary ratios, Profitability ratios, Leverage ratios and Turnover ratios.

Unit-IV: Cash flow statement and Management Reporting

Introduction- Concept of Cash- Sources of cash flow Cash from operation- cash from Financing and cash from investment- Inflow and outflow of cash- Preparation of cash flow statements with adjustments.

Management Reporting - Meaning and Definitions of reports- Objectives and Purpose-Reports to top level management - Reports to lower level management- Sample Reports

Readings:**Text Books (Latest Edition):**

- Arora, M. N. Cost and Management Accounting, New Delhi: Himalaya Publishing House.
- Jain, S.P., & Narang, K.L. Cost Accounting. Principles and Practice, New Delhi: Kalyani Publishers.
- Kishor, R.M. Cost and Management Accounting. New Delhi: Taxman Allied Services.
- Pillai, R.S.N, Bagavathi, V., Cost Accounting. New Delhi: Sultan Chand.
- Arora, M.N. Management Accounting, New Delhi: Himalaya Publishing House
- Lal, J. Srivastav, Seema., Singh, Manisha. Cost Accounting: Test, Problems and Cases, New Delhi: Tata McGraw Hill Education

Course Outcomes:

On having completed this course student should be able to:

1. Interpret the relevant theories of cost and management accounting and prepare Cost sheet and quotations.
2. Ascertain Material and Labor cost, allocation and apportionment of overheads.
3. Interpret the financial statements for managerial decision making and preparation of management reports

CMBBACC 302	Agro-Techniques of Principal Field Crops-I (Kharif)	3L:1T:0P	4 Credits
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Course Description:

This course provides a comprehensive understanding of Kharif crops, covering their origin, geographical distribution, and economic importance. Students will explore the soil and climatic requirements essential for the successful cultivation of these crops. The course also emphasizes improved varieties, cultural practices, and intercropping techniques to enhance productivity. Additionally, students will gain insights into pest and disease management strategies to mitigate crop losses.

Course Objective:

The Course aims to provide students with a comprehensive understanding of the scientific principles and practical techniques involved in the cultivation of major Kharif crops. The course focuses on imparting knowledge about crop selection, production practices, resource management, pest control, and post-harvest handling to enhance productivity and sustainability in Kharif farming.

1. To familiarize students with major Kharif crops grown in different agro-climatic regions of India.
2. To provide knowledge of improved agro-techniques, including land preparation, seed selection, sowing methods, nutrient and water management.
3. To introduce modern and sustainable farming practices, including climate-resilient and organic farming techniques.
4. To equip students with skills in pest, weed, and disease management for effective crop protection.
5. To impart knowledge on harvesting, post-harvest handling, and storage for better yield and quality maintenance.
6. To provide insights into the economic aspects of Kharif crop production, including

Content:

UNIT-1: Introduction Of Agronomy

Definition, Meaning, Scope of Agronomy, Importance of Agronomy, Concepts of Agro-meteorology, Importance of agricultural meteorology, weather and climatic factors affecting crops.

UNIT-2: Production Technology of Cereals

Origin, geographical distribution, economic importance, soil and climatic requirements, varieties, cultural practices Intercropping, pest and disease management and yield of Kharif crops Cereals Rice, Maize, Kharif Sorghum, Pearl Millets, Minor Millets.

UNIT 3: Production Technology of Pulses

Origin, geographical distribution, economic importance, soil and climatic requirements, varieties, cultural practices Intercropping, pest and disease management and yield of Kharif crops pulses. Pigeon Pea, Mung Bean, Urid Bean, Horse Gram, Moth Bean, Cowpea.

UNIT-4: Production Technology of Forage and oilseed Crop

Origin, geographical distribution, economic importance, soil and climatic requirements, varieties, cultural practices Intercropping, pest and disease management and yield of Kharif crops forage Sorghum, Pearl Millets, Maize, Cowpea, Cluster Bean
Production Technology of oilseed

Cotton, Jute, Sunhemp, & Dhaincha.

Suggested Readings:

Text Books (Latest Edition):

1. Modern technique of raising field crops by Chidda singh
2. Agronomy of field crop by S.R. Reddy
3. Hand book of Agriculture, ICAR New Delhi
4. Modern Techniques of Raising Field Crop - Chhidda Singh – Oxford and IBH Publication.
5. Fundamental of Agronomy - Gopal Chandra De. 1980 - Oxford and IBH Publication.
6. Principles of Agronomy – Panda S.C. 2006

Outcomes:

The Agro-Techniques of Principal Field Crops - I (Kharif) Course aims to provide students with a comprehensive understanding of the scientific principles and practical techniques involved in the cultivation of major Kharif crops. By the end of this course, students will be able to:

1. Understand the Basics of Kharif Crops:
2. Soil and Seedbed Preparation:
3. Crop Production Techniques:
4. Nutrient and Water Management:
5. Weed, Pest, and Disease Management:
6. Harvesting and Post-Harvest Management:
7. Economics and Marketing of Kharif Crops:

CMBBACC 303	Fundamentals of Horticulture	3L:1T:0P	4 Credits
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Course Description:

This course provides an introduction to the principles and practices of horticulture. It covers the fundamental aspects of plant growth, propagation, soil management, pest control, and environmental factors affecting horticultural crops. Students will explore the importance of horticulture in food production, landscaping, and environmental sustainability. The course combines theoretical knowledge with practical applications to develop skills in plant care, nursery management, and gardening techniques.

Course Objectives:

By the end of this course, students will be able to:

1. Understand the basic concepts and scope of horticulture.
2. Identify different types of horticultural crops, including fruits, vegetables, and ornamental plants.
3. Learn about plant growth, development, and propagation techniques.
4. Explore soil properties, fertilizers, and water management strategies in horticulture.
5. Recognize common pests, diseases, and their control measures.
6. Understand modern horticultural practices, including greenhouse and organic farming.
7. Develop practical skills in nursery management, pruning.

Content:

Unit-1: Classification of fruit crops on horticultural basis. Botanical, Climatic Adaptability, Fruit Morphology, Rate of Respiration, Nutrient Content, Photoperiodic Response

Unit-2: Importance, present status Nutritive value of fruits, Importance, present status and future scope for fruit growing in Maharashtra and India. Area and production, export, import scenario of fruit crops and plantation crops in Maharashtra and India Role in Human Nutrition Selection of site

Unit-3: Importance of selection of site, fencing, planting systems high density planting, wind breaks and shelter belts in fruit production Primary Operation, planning of orchard, fencing, Methods of planting systems with diagram Definition, Importance, Characteristics, Advantages

Unit-4: Propagation methods and use of rootstocks, Methods of training and pruning. Special horticultural practices like bahar treatment, ringing, girdling, bending, notching, etc. Methods of propagation and their advantages and disadvantages Definition, Methods, Advantages and disadvantages Definition and procedure

Unit-5: Nutrient management, water management, weed control, mulching, intercropping Methods of Irrigation, manures and fertilizer application Use of PGR physiological disorders in fruit crops Role of PGR in plant growth.

Suggested Readings:

- 1 Fruit Culture in India by Sham Singh and others
- 2 Handbook of Horticulture by ICAR Publication
- 3 Principles of Horticulture and fruit growing by Kunte and Yawalkar
- 4 Production Technology of Fruit Crops by Shanmugvelu, K.G.

Course Outcomes:

Upon successful completion of the course, students will be able to:

1. Demonstrate knowledge of horticultural science and its applications in agriculture and landscaping.
2. Apply appropriate plant propagation and cultivation techniques for different horticultural crops.
3. Assess soil and environmental conditions for sustainable horticultural practices.

4. Identify and manage pests and diseases affecting horticultural crops.
5. Utilize modern horticultural technologies to enhance productivity and sustainability.
6. Develop skills in nursery establishment, plant maintenance, and garden design.
7. Implement best practices in horticultural production for commercial and personal applications.

CMBBAMDE 301	Indian Systems of Health and Wellness	1L:1T:0P	2 Credits
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Course Objective(s):

1. To understand the importance of a healthy lifestyle
2. To familiarize students about physical and mental health
3. To create an awareness of various lifestyle related diseases
4. To provide understanding of stress management

Course Content:

Unit 1: Introduction to Health & Wellness

- Definition of Health
- Importance of health in everyday life
- Components of health - physical, social, mental, spiritual and its relevance
- Concept of wellness
- Mental health and wellness
- Determinants of health behaviour

Unit 2: Mind Body and Well-Being

- Mind body connection in health - concept and relation
- Implications of mind-body connection
- Wellbeing - why it matters?
- Digital wellbeing

Unit 3: Deficiency & Diseases

- Malnutrition, under nutrition and over nutrition
- Body system and common diseases
- Sedentary lifestyle and risk of disease
- Modern lifestyle and associated health risks

Unit 4 : Indian system of well being

- Health beliefs of India
- Health systems in India - AYUSH.
- Perspective of indigenous people towards health
- Happiness and well-being in India

Exercises: - Visit to nearby Vipasana centre

Text Books / References:

- Carr, A. Positive Psychology: The science of happiness and human strength. UK: Routledge
- C. Nyambichu & Jeff Lumiri, , Lifestyle Disease: Lifestyle Disease management

Course Outcome(s):

After completion of this course the learner will be able to -

- Explain the concept and nature of health, wellness and its various implications
- Demonstrate adequate knowledge on well-being and promotion of healthy behavior.

CMBBASEC 301	Management Information System (MIS)	4L:0T:0P	4 Credits
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Course Objective

The course aims to provide students with comprehensive knowledge and practical skills in managing information systems (MIS), database management, information system applications, and project management using modern tools and methodologies. Students will learn to analyze, design, and implement effective MIS solutions in various business contexts.

Course Outcomes:

1. Understand the basic concepts, types, dimensions, and components of MIS, and evaluate the benefits and evolution of IT infrastructure in the digital firm era.
2. Apply database management principles by setting up and managing DBMS packages, creating Entity-Relationship diagrams, and understanding data models, data warehouses, and administration techniques.
3. Analyze various MIS applications, including DSS, GDSS, and knowledge management systems, and develop e-commerce solutions by leveraging enterprise models, business process reengineering, and digital communication strategies.
4. Evaluate project management objectives and methodologies, including agile practices such as SCRUM, and manage projects effectively to control risk factors and understand ethical, social, and political issues in the information era.

Course Content:

Unit 1: Fundamentals concepts of MIS

Basics concepts of MIS/ Types of MIS, Dimension and components of IS, Benefits of MIS, IT infrastructure, and IT infrastructure evolution, Components of IT infrastructure, New approaches for system building in the digital firm era

Unit 2: Data base management system:

Objectives of data base approach- Characters of database Management systems- Data processing system- Components of DBMS packages - Data base administration- Entity - Relationship (conceptual)

Unit 3 : Information system applications:

MIS applications, DSS - GDSS - DSS applications in E enterprise - Knowledge Management System and Knowledge Based Expert System - Enterprise Model System and E-Business, E- Commerce, E-communication, Business Process Reengineering.

Unit 4: Managing Projects

Objectives of project management, Fundamentals of project management information systems with agile methodologies -Introduction of SCRUM, Roles and meetings, User stories, Project risk, Controlling risk factors, Ethical, social, and political issues in the information era.

Practical Work List (Suggestive)

- Analyze a real-world Management Information System (MIS) implementation case, identifying the types of MIS used, benefits realized, and challenges faced. Present findings using written and visual formats.
- Set up and manage a Database Management System (DBMS), perform basic operations, and create an Entity-Relationship diagram for a business scenario to demonstrate database conceptual design.
- Design and build an e-commerce website, incorporating features of digital markets, digital goods, and e-commerce business models.
- Manage a mock project using agile methodologies, including roles, meetings, user stories, and risk management.

Text Book -(Latest Edition):

1. Laudon, K. C., & Laudon, J. P.. Management information systems: managing the digital firm. Fifteenth Edition. Pearson.
2. Coronel, C., & Morris, S.. Database systems: design, implementation, & management. Cengage Learning.
3. Olson, D. . Information systems project management (First;1; ed.). US: Business Expert Press.
4. Schiel, J. The ScrumMaster Study Guide. Auerbach Publications.
5. The Scrum Master Guidebook: A Reference for Obtaining Mastery" , CHANDAN LAL PATARY
6. Scrum: The Art of Doing Twice the Work in Half the Time", Jeff Sutherland, J.J. Sutherland
7. Stair, R., & Reynolds, G. Fundamentals of information systems. Cengage Learning.

Case Studies

1. Developing MIS for National Innovation Foundation: Choosing Process, Product and Vendor, Sanjay Verma; Priyanka Sharma,
<https://hbsp.harvard.edu/product/A00137-PDF-ENG?Ntt=MIS>
2. Enterprise-Wide Business-IT Engagement In An Empowered Business Environment: The Case Of FedEx Express EMEA, Stijn Viaene; Steven De Hertogh,
<https://hbsp.harvard.edu/product/JIT025-PDF-ENG?Ntt=MIS>
3. From Products to Product-Service Systems: IT-Driven Transformation of a Medical Equipment Manufacturer, Jens Fahling; Felix Kobler; Jan Marco Leimeister; Helmut Krcmar, <https://hbsp.harvard.edu/product/JIT062-PDF-ENG?Ntt=MIS>

CMBBAVA C301	Yoga and Physical fitness / Sports / NCC /NSS/ Disaster Management	0L:0T:4P	2 Credits
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Note: All the theoretical contents shall be delivered through the practical workshop mode only. No class room teaching is encouraged in this course.

YOGA

Yoga course is designed to provide students with a comprehensive understanding of physical fitness, wellness, and nutrition. This course explores the meaning and importance of yoga in the modern era, the role of sports in maintaining physical fitness, and the various components of physical wellness. Students will also learn about the significance of nutrition and weight management, equipping them with the knowledge to promote a healthy and balanced lifestyle. Through this course, students will gain insights into the holistic approach to health and well-being.

Course Objective(s):

- Understand yoga's significance and its practical applications for holistic well-being.
- Explore subtle energy systems and their role in enhancing health through yogic practices.
- Examine various paths of yoga to foster self-realization and spiritual growth.
- Master the Eight Limbs of Yoga for physical, mental, and spiritual harmony.
- Apply yogic principles to manage psycho-somatic ailments and promote resilience.

Course Content:

Unit-I

- Yoga: Meaning and definition
- Importance of yoga in 21st century
- Introduction to Yogic Anatomy and Physiology
- Yoga & sports, Yoga for healthy lifestyle
- Types of Yoga: - Hatha yoga, laya yoga, mantra yoga, bhakti yoga, karma yoga, jnana yoga, raj yoga
- Study of Chakras, Koshas, Pranas, Nadis, Gunas, Vayus and its application in Yogic practices.
- Ashtang Yoga: - Yama, niyama, asana, pranayama, Pratyahar, dharna, dhyana, Samadhi : Benefits, Utilities & their psychological impact on body and mind. According to yoga concept of normality in modern psychology, concept of personality & its development, yogic management of psycho-somatic ailments: frustration, anxiety, depression

Unit- 2

- Sports for Physical Fitness: Meaning and definition
- Physical Activity - Concept, Benefits of Participation in Physical Activities
- Components and Significance of Physical Fitness -Health, Skill and Cosmetic Fitness
- Types of Physical Activities - Walking, Jogging, Running, Calisthenics, Rope Skipping, Cycling, Swimming, Circuit Training, Weight training, Adventure Sports
- Principles of Physical Fitness, Warming Up, Conditioning, Cooling Down, Methods to Develop and Measure Health and Skill related components of Physical Fitness
- Measurement of Health Related Physical Fitness (HRPF)

Unit -3

- Physical Wellness: Concept, Components
- Types of wellness: psychological, social, emotional, and spiritual.
- Significance with reference to Positive Lifestyle 2.2
- Concepts of Quality of Life and Body Image
- Factors affecting Wellness

- Wellness Programmes

Unit-4: Nutrition and Weight Management

- Concept of Nutrients, Nutrition, Balanced Diet, Dietary Aids and Gimmicks
- Energy and Activity- Calorie Intake, Energy Balance Equation
- Obesity - Concept, Causes, Obesity Related Health Problems
- Weight Management through Behavioural Modifications

Text Books / References (Latest Edition):

- Anand O P. Yog Dawra Kaya Kalp. Sewasth Sahitya Perkashan. Kanpur.
- Brown, J.E. Nutrition Now Thomson-Wadsworth.
- Corbin et.al. Fitness & Wellness-Concepts. McGraw Hill. Publishers. New York. U.S.A
- Corbin, C. B., G. J. Welk, W. R Corbin, K. A. Welk, Concepts of Physical Fitness: Active Lifestyle for Wellness. McGraw Hill, New York, USA.
- Hoeger, W W K and S.A. Hoeger. Principles and Labs for Fitness and Wellness, Thomson Wadsworth, California, USA.
- Hoeger, W.W. & S. Hoeger Fitness and Wellness. 7th Ed. Thomson Wadsworth, Boston, USA.
- Kamlesh, M. L. & Singh, M. K., Physical Education (Naveen Publications).
- Kansal, D.K. Text book of Applied Measurement, Evaluation & Sports Selection. Sports & Spiritual Science Publications, New Delhi.
- Kumari, Sheela, S., Rana, Amita, and Kaushik, Seema,, Fitness, Aerobics and Gym Operations, Khel Sahitya, New Delhi
- Lumpkin, A. Introduction to Physical Education, Exercise Science and Sports Studies, McGraw Hill, New York, U.S.A.
- Sarin N) Yoga Dawara Rogon Ka Upchhar. Khel Sahitya Kendra
- Savard, M. and C. Svec The Body Shape Solution to Weight Loss and Wellness: The Apples & Pears Approach to Losing Weight, Living Longer, and Feeling Healthier. Atria Books, Sydney, Australia.
- Siedentop, D. Introduction to Physical Education, Fitness and Sport, McGraw Hill Companies Inc., New York, USA.
- Sri Swami Ramas. Breathing. Sadhana Mandir Trust. Rishikesh.
- Swami Ram Yoga & Married Life Sadhana Mandir Trust. Rishikesh

Course Outcome(s):

- Gain a comprehensive understanding of yoga and its modern applications for holistic well-being.
 - Demonstrate proficiency in yogic anatomy and physiology, enhancing yoga practice and promoting physical and energetic balance.
 - Master the Eight Limbs of Yoga and comprehend their psychological impact, fostering personal growth and self-realization.
 - Integrate yoga principles into sports and physical fitness activities to enhance performance and prevent injuries.
 - Develop skills in wellness management and nutrition
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SPORTS

Sports course offers undergraduate students a comprehensive introduction to the field, covering key principles, organizational structures, and ethical considerations. It also includes marketing, sponsorship, financial management techniques, and the use of analytics and technology in sports to enhance strategic decision-making and fan engagement.

Course Objective(s):

- i. Understand the fundamental principles and concepts of sports management, including its scope, organizational structure, and ethical considerations.
- ii. Analyse the role of marketing and sponsorship in the sports industry, with a focus on branding, target audience segmentation, and event management.
- iii. Develop proficiency in financial management techniques specific to the sports industry, including revenue generation, cost management, and investment strategies.
- iv. Apply theoretical knowledge to practical scenarios through case studies and projects, fostering critical thinking and problem-solving skills in sports management contexts.
- v. Explore the application of analytics and technology in sports, including performance evaluation, strategic decision-making, and fan engagement.

Course Title: Sports I

Course Content (Any Two out of 4 Units):

Unit -1: Introduction to Physical Education in The Contemporary Context (Any Two)

Learn and demonstrate the technique of Suryanamaskar

Develop Physical Fitness through Calisthenics / Aerobics / Circuit-Training / Weight-Training and demonstrate the chosen activity

Select any one game available in the college and learn different techniques involved in its play

Unit -2: Core Physical Education-: Fitness, Wellness and Nutrition (Any Two)

Measurement of Fitness Components - Leg-raise for Minimal Strength (Muscular Strength); Sit-ups Muscular Endurance); Harvard Step Test, Run and Walk Test (Cardiovascular Endurance); Sit and Reach Test (Flexibility) Measuring height, weight, waist circumference and hip circumference Calculation of BMI (Body Mass Index) and Waist-Hip Ratio

Engage in at least one wellness programme and write a report on it.

Unit-3: Core Physical Education-: Posture, Athletic Care and First Aid (Any Two)

Demonstrate Stretching and Strengthening Exercises for Kyphosis, Scoliosis, Lordosis, Knock Knees, Bow Legs, Flat Foot, Back Pain and Neck Pain

Illustration and Demonstration of Active and Passive Exercises

Asanas with Therapeutic Value (Any five asanas): Karnapeedasana, Padmasana, Dhanurasana, Sarvangasana, Paschimottanasana, Chakrasana, Halasana, Matsyasana, Ardhamatsyendrasana, Ushtrasana, Mayurasana, Shirshasana, Vajrasana, Practice P.R.I.C.E. in First Aid.

Unit-4: Sports Administration & Management (Any Two)

- Demonstration of Supervision activities in Sports Management.
- Demonstration of skills of Management.
- Demonstration of fixtures of various kinds in sports competitions.
- Demonstration of technical and non-technical purchase procedure.

Text Books: (latest Edition)

1. Teaching Children Physical Education: Becoming a Master Teacher. Graham, G., Human Kinetics, Champaign, Illinois, USA.
2. Concepts of Physical Fitness: Active Lifestyle for Wellness, Corbin, C. B., G. J. Welk, W. R. Corbin, K. A. Welk, McGraw Hill, New York, USA.

3. Teaching Today Health, Anspaugh, D.J., G. Ezell and K.N. Goodman, Mosby Publishers.
4. Drug Education Handbook on Drug Abuse in Sports, Beotra, Alka, Applied Nutrition Sciences, Mumbai
5. Sports Facility Management, Ammon, R., Southall, R.M. and Blair, D.A., West Virginia, USA: Fitness Information Technology Publishers

<u>Course Title: Sports II</u>

Course Contents (Any Two out of 4 Units)

Unit 1: Sports for all (Any Two)

To participate in any intramural Tournaments (one team game and one Individual Game) of choice. To participate/ attend at least 15 hours in Fitness training at Field or at Gymnasium. Participate in at least one track and one field event on Annual Sports day. To participate in Inter College Tournament

Unit 2: Media and Careers in Physical Education (Any Two)

Organize an event / intramural / tournament in your college. Prepare a News Report of an observed Sports competition.

Create a presentation on any topic from Physical Education using an audio-visual aid.

Demonstrate Warming-up / Conditioning / Cooling-down exercises.

Unit -3: Management of Aerobics & Group Training (Any Two)

Measurement of Fitness Components - Leg-raise for Minimal Strength (Muscular Strength); Sit-ups (Muscular Endurance); Harvard Step Test or Run and Walk Test (Cardiovascular Endurance); Sit and Reach Test (Flexibility)

Measurement of Pulse Rate / Heart Rate at Radial Artery and Carotid Artery, Calculation of Target Heart Rate Developing a 5-10-minute routine of aerobics with appropriate music for each component of health related physical fitness

Unit -4: Sports Industry & Marketing (Any Two)

Identify an issue or a trend in the sports industry: Players in professional or college sports or Ownership Marketing Plan: Environmental Factors and Product Plan Draft, Paper bibliography/ works cited, Sponsorship proposal, Developing a budget plan for an event Athlete branding

Text Books: (latest Edition)

1. 7 Habits of Highly Effective People, Covey, S., Covey Publications, USA
2. Motor Learning and Control: Concepts and Applications, Magill, R.A., McGraw Hill Publication.
3. Principles and Practices of Sport Management, Masteralexis, L.P., C. Barr and M. Humms, Jones and Bartlett Publisher
4. Fitness through Aerobics, Bishop, J.G., Benjamin Cummings USA.
5. Physical Activity and Health: An Interactive Approach, Brown K.M., Jones and Bartlett Publisher
6. Sponsorship in marketing: Effective communications through sports, arts and events, Cornwell. T.B, Routledge Publishers
7. Sports Marketing: A Practical Approach, DeGarris, L., Routledge Publishers, USA

Course Title: Physical Education, Health and Sports
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Course Content (Any Two out of 4 Unit)**Unit 1: Physical Education**

Concept of physical education, its relation with technical education, health and recreation Scope and importance of physical education

Unit -2: Health

Concept and factors affecting health

Physical Fitness-Concepts and factors affecting physical fitness, sources of fitness Types of physical fitness, Elements of fitness-speed strength, power, endurance, flexibility, agility;Warming up and cooling down

Unit-3: Posture

Concept and values of good posture Causes of poor posture;Postural deformities, their causes and remedies

Unit-4: Sports (Practical)

Every student shall opt minimum of three athletics events.

Each student shall opt minimum one game major/minor i.e. athletics, badminton, basketball, cricket, football, table tennis, volleyball, kabaddi, Lawn Tennis, Chess;Participation in mini marathon, annual athletics meet, physical fitness and cardio respiratory efficiency test

Text Books: (latest Edition)

1. 'Fitness through Aerobics, Bishop, J.G., Benjamin Cummings USA.
2. Physical Activity and Health: An Interactive Approach, Brown K.M., Jones and Bartlett Publisher
3. Sponsorship in marketing: Effective communications through sports, arts and events, Cornwell. T.B, Routledge Publishers
4. Sports Marketing: A Practical Approach, DeGarris, L., Routledge Publishers, USA

Course Outcome(s):

- i. Demonstrate a comprehensive understanding of sports management principles, including organizational structures, legal issues, and ethical considerations.
- ii. Evaluate marketing strategies and sponsorship opportunities in the sports industry, devising effective branding and promotional campaigns.
- iii. Apply financial management techniques to analyze revenue streams, control costs, and make informed investment decisions in sports organizations.
- iv. Utilize sports analytics tools and technology to enhance performance evaluation, strategic planning, and fan engagement initiatives.
- v. Synthesize course concepts through practical applications, demonstrating the ability to address real-world challenges in sports management scenarios.

National Cadet Corps (NCC)

This course develops essential skills in discipline, leadership, and tactical operations through structured curriculum and practical exercises. It emphasizes the role of drills in fostering discipline, leadership, and teamwork, and includes comprehensive weapon handling training with a focus on safety protocols. The course teaches map reading, understanding topographical features, and navigating diverse terrains. Practical units cover the history and objectives of the National Cadet Corps (NCC), various manoeuvres, parade formations, saluting protocols, and field and battlecraft techniques. By the end, learners will master discipline, leadership, weapon handling, and tactical decision making, effectively utilizing terrain features for strategic advantages.

Course Objective(s):

1. Understand the foundational role of drill in fostering discipline and leadership within a group, enabling effective command towards achieving common goals.
2. Appreciate the importance of grace and dignity in executing foot drill movements, recognizing their significance in enhancing performance and teamwork.
3. Comprehend the criticality of weapon handling and detailed safety measures, emphasizing the importance of accident prevention through strict adherence to safety protocols.
4. Develop an awareness of diverse terrain types and their strategic significance in battle craft, enabling informed decision-making and effective utilization of terrain features for tactical advantage.

Course Content (Practical):

Unit 1:

Overview of NCC, its history, aims, objectives, and organizational structure, Incentives and duties associated with NCC cadetship; Manoeuvres: Foot drill, Word of Command, Attention, and stand at ease, and Advanced manoeuvres like turning and sizing; Parade formations: Parade line, open line, and closed line; Saluting protocols, parade conclusion, and dismissal procedures. Marching styles: style march, double time march, and slow march

Unit 2:

Weapon Training, Handling firearms, Introduction and characteristics of the .22 rifle; Handling Firearm techniques, emphasizing safety protocols and Best practices.

Unit 3:

Map Reading (MR): Topographical forms and technical terms, including relief, contours, and gradients, crucial for understanding terrain features; Cardinal points, magnetic variation and grid convergence

Unit 4:

Field Craft & Battle Craft (FC & BC): Fundamental principles and techniques essential for effective field and battle craft operations; Methods of judging distance, including estimation, pacing, and visual cues

References: (Latest Editions)

- DGNCC Cadet's Hand Book - Common Subjects -All Wings
- Tiwari, R. NCC: Grooming Feeling of National Integration, Leadership and Discipline among Youth. Edwin Incorporation.
- Chhetri, R.S. Grooming Tomorrows Leaders, The National Cadet Corps.
- [Directorate General National Cadet Corps](#) . National Cadet Corps, Youth in Action.

- Vanshpal, Ravi, The NCC Days, Notion Press.

Course Outcome(s):

1. Mastery of Discipline and Leadership through Drill Learners would demonstrate the ability to effectively command a group, foster discipline, and work collaboratively towards achieving shared objectives.
2. Mastery of Grace and Dignity in Foot Drill Performance Learners would demonstrate an understanding of how these qualities enhance performance and foster teamwork within a group setting.
3. Proficient Weapon Handling and Safety Adherence Learners would showcase a thorough understanding of the criticality of safety measures, emphasizing accident prevention through strict adherence to safety protocols.
4. Enhanced Tactical Awareness and Strategic Decision-Making Learners would gain the ability to make informed decisions and effectively utilize terrain features to gain tactical advantage during operations.

National Service Scheme (NSS)

This course provides students with an in-depth understanding of the National Service Scheme (NSS), including its history, philosophy, aims, objectives, and organizational structure. It equips students with knowledge about various NSS programmes and activities, emphasizing their relevance and importance. The course also develops skills in community mobilization, teaching students effective techniques for engaging and mobilizing community stakeholders. Additionally, it cultivates an appreciation for volunteerism and shramdan (voluntary labor), highlighting their role in community development initiatives. By the end of the course, students will have a comprehensive understanding of NSS, enhanced leadership and team-building skills, and a strong sense of social awareness and patriotism.

Course Objective(s):

1. To provide students with an understanding of the history, philosophy, and basic concepts of the National Service Scheme (NSS).
2. To familiarize students with the aims, objectives, and organizational structure of NSS.
3. To equip students with knowledge about NSS programmes, activities, and their relevance.
4. To develop an understanding of community mobilization techniques and their importance in NSS activities.
5. To cultivate an appreciation for volunteerism, shramdan (voluntary labor), and their role in community development initiatives.

Course Content:

Unit 1: Introduction and Basic Concepts of NSS

National Service Scheme (NSS) - history, philosophy, and fundamental concepts, aims and objectives, providing clarity on the organization's overarching goals. Symbols of NSS - Emblem, flag, motto, song, and badge; Organizational structure of NSS

Unit 2: NSS Programmes and Activities

Diverse programmes and activities conducted under the aegis of the National Service Scheme (NSS); Significance of commemorating important days recognized by the United Nations, Centre, State Government, and University; Examination of the methodology for adopting villages/slums and conducting surveys; Financial patterns of the NSS scheme

Unit 3: Community Mobilization

Dynamics of community mobilization within the framework of the National Service Scheme (NSS); Functioning of community stakeholders; The conceptual lens of community development

Unit 4: Volunteerism and Shramdan in the Indian Context: Roles and Motivations within the NSS Framework

Ethos of volunteerism and shramdan (voluntary labor) within the cultural context of India and the framework of the National Service Scheme (NSS); Motivations and constraints shaping volunteer engagement; Role of NSS volunteers in initiatives such as the Swachh Bharat Abhiyan and Digital India

References:

1. Ministry of Youth Affairs and Sports, Government of India. (2022). National Service Scheme (NSS) Manual.
2. Agarwalla, S. (2021). NSS and Youth Development. Mahaveer Publications
3. Bhattacharya, P. (2024). Stories Of NSS (English Version). Sahityasree.
4. Borah, R. and Borkakoty, B. (2022). NSS in Socioeconomic Development. Unika Prakashan.
5. Wondimu, H., & Admas, G. (2024). The motivation and engagement of student volunteers in volunteerism at the University of Gondar. *Discover Global Society*, 2(1), 1-16.
6. Saha, A. K. (2002). Extension Education-The Third Dimension Needs and Aspirations of Indian Youth. *Journal of Social Sciences*, 6(3), 209-214.

7. Mills, S. (2013). "An instruction in good citizenship": scouting and the historical geographies of citizenship education. *Transactions of the Institute of British Geographers*, 38(1), 120-134. <http://www.jstor.org/stable/24582445>
8. Mishra, S. K., Sachdev, S., Marwaha, N., & Avasthi, A. (2016). Study of knowledge and attitude among college-going students toward voluntary blood donation from north India. *Journal of blood medicine*, 19-26.
9. Mukherji, B. (2007). *Community Development in India*. Orient Longmans.
10. History Background of NSS and its Philosophy, Aims and Objectives
11. <https://www.osmania.ac.in/NSS%20URL/9.%20%20Historical%20Background%20of%20NSS%20and%20its%20Philosophy,%20Aim.pdf>
12. In Defence of Nationalism <https://www.mkgandhi.org/indiadreams/chap03.htm>
13. Unlocking Youth Potential for Nation Building: Strengthening NYKS and NSS
14. <https://www.undp.org/india/projects/strengthening-nyks-and-nss>

Course Outcome(s):

1. Students will demonstrate an understanding of the history, philosophy, and objectives of the National Service Scheme (NSS), thereby fostering increased social awareness and patriotism among them.
2. Students will be able to organize and conduct various NSS programmes and activities effectively and through it understand the importance of leadership and team building.
3. Students will develop skills in community mobilization and partnership building.
4. Students will appreciate the importance of volunteerism and shramdan in societal development and thus, be able to understand role of community participation.

DISASTER MANAGEMENT

In our rapidly evolving 21st-century world, challenges emerge in diverse forms, transcending borders and intertwining economic, societal, and environmental realms. These challenges profoundly affect vulnerable communities, magnifying their susceptibility to climate-related shocks and disasters. As we navigate through these complexities, it becomes increasingly evident that aligning strategies with global Sustainable Development Goals (SDGs) across various geographical scales is paramount. This alignment incorporates perspectives of environmental sustainability, climate adaptation, and disaster resilience. In light of these considerations, this course aims to equip students with the knowledge and skills necessary to address and mitigate the impacts of disasters in a holistic manner.

Course Objective(s):

- to provide understanding of the concepts related to disaster
- to highlight the importance and role of disaster management
- to enhance awareness of institutional processes and management strategies to mitigate the impacts of disasters

Course Content:

Unit 1: Concepts and Terminologies

Understanding key concepts of Hazards, disasters; Disaster types and causes (Geophysical, Hydrological, Meteorological, Biological and Atmospheric; Human-made); Global trends in disasters - Impacts (Physical, Social, Economic, Political, Environmental and Psychosocial); Defining Vulnerability (Physical Vulnerability; Economic Vulnerability; Social Vulnerability)

Unit 2: Key concepts of Disaster Management Cycle

Components of disaster management cycle (Phases: Response and recovery, Risk assessment, Mitigation and prevention, Preparedness planning, Prediction and warning); Disaster risk reduction (DRR), Community based disaster risk reduction

Unit 3: Initiatives at national and international level

Disaster Risk Management in India and at international level: Related policies, plans, programmes and legislation; International strategy for disaster reduction and other initiatives

Unit 4: Emergency Management

Explosion and accidents (Industrial, Nuclear, Transport and Mining) - Spill (Oil and Hazardous material); Threats (Bomb and terrorist attacks) - Stampede and conflicts

Training and Demonstration Workshops (at least two workshops) be organized in association with the NIDM, NDRF, NCDC, Param Military, Fire Brigade, CISF, local administration etc.

Readings (Latest Editions):

1. Sharma, S.C. , Disaster Management, Khanna Book Publishing.
2. Clements, B. W.,: Disasters and Public Health: Planning and Response, Elsevier Inc.
3. Dunkan, K., and Brebbia, C. A., (Eds.) : Disaster Management and Human Health Risk: Reducing Risk, Improving Outcomes, WIT Press, UK.
4. Singh, R. B. (ed.), Natural Hazards and Disaster Management: Vulnerability and Mitigation, Rawat Publications, New Delhi.
5. Ramkumar, Mu, Geological Hazards: Causes, Consequences and Methods of Containment, New India Publishing Agency, New Delhi.
6. Modh, S. Managing Natural Disaster: Hydrological, Marine and Geological Disasters, Macmillan, Delhi.
7. Carter, N. Disaster Management: A Disaster Management Handbook. Asian Development Bank, Manila.
8. Govt. of India Vulnerability Atlas of India. BMTPC, New Delhi.
9. Govt. of India Disaster Management in India. Ministry of Home Affairs, New Delhi.
10. Matthews , J.A., Natural Hazards and Environmental Change, Bill McGuire, Ian Mason.

E-Resources

<http://www.ndma.gov.in/en/>

<http://nidm.gov.in/>

<https://www.unisdr.org/>

<http://www.emdat.be>

<https://www.weather.gov/safety/>

<https://www.preventionweb.net/risk/vulnerability>

Course Outcomes:

Upon successful completion of this course, students will be able to:

- i. Articulate the critical role of disaster management in reducing risks and enhancing resilience
- ii. Identify and describe key institutional frameworks and processes in disaster management.
- iii. Conduct risk assessments and develop disaster management plans for specific scenarios

SEMESTER -IV

CMBBACC 401	Entrepreneurship and Startup Ecosystem	1L:1T:0P	2 Credits
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Course Objective(s):

- To understand Entrepreneurship and its types
- To understand that not all ideas can be turned into viable business models and guestimate business potential of an idea
- To understand different type of finances available and financing methods
- To be able to draft business plans on an identified idea
- To understand the nuances of operating a startup - low budget marketing, stabilizing operations, build a team from scratch and scaling the business
- To know what is a Family Business and how is it different from Entrepreneurship

Course Content:

Unit 1: Introduction to Entrepreneurship & Family Business

- Definition and Concept of entrepreneurship
- Entrepreneur Characteristics
- Classification of Entrepreneurs
- Role of Entrepreneurship in Economic Development -Start-ups
- Knowing the characteristics of Family business with discussion on few Indian cases of Family Business like Murugappa, Dabur, Wadia, Godrej, Kirloskar etc.

Unit 2: Evaluating Business opportunity

- Sources of business ideas and opportunity recognition
- Guesstimating the market potential of a business idea
- Feasibility analysis of the idea
- Industry, competition and environment analysis

Unit 3: Building Blocks of starting ventures

- Low cost Marketing using digital technologies
- Team building from scratch
- Venture Funding
- Establishing the value-chain and managing operations
- Legal aspects like IPR and compliances

Unit 4: Start-up Ecosystem

- Know the components of the start-up ecosystem including Incubators, Accelerators, Venture Capital Funds, Angel Investors etc.
- Know various govt. schemes like Start-up India, Digital India, MSME etc.
- Sources of Venture Funding available in India
- Source of Technology, Intellectual Property management

Text Books (Latest Edition):

1. *Startup India Leaning Program* by Start Up India available at www.startupindia.gov.in
2. *Entrepreneurship*, Rajeev Roy, Oxford University Press
3. *Entrepreneurship: Successfully Launching New Ventures* by R. Duane Ireland Bruce R. Barringer, Pearson Publishing
4. *Family Business Management* by Rajiv Agarwal, Sage Publishing
5. Anish Tiwari , “Mapping the Startup Ecosystem in India”, *Economic & Political Weekly*
6. Ramachandran, K, *Indian Family Businesses: Their survival beyond three generations*, ISB Working Paper Series

References

Course Outcome(s):

At the end of the course, the student would be able to -

- Understand basic building blocks of creating a venture
- Be able to identify a business opportunity and translate it into a viable business model
- Identify the elements of the Indian entrepreneurship ecosystem and take relevant benefits from the constituents
- Know the legacy of family businesses and key differentiations from entrepreneurship

CMBBACC402	Agro-Techniques of Principal Field Crops- I (Rabi)	3L:1T:0P	4 Credits
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Course Description:

This course provides comprehensive knowledge on the agro-techniques of major Rabi (winter season) field crops, including cereals, pulses, oilseeds, and commercial crops. It covers various aspects of crop production, such as climate and soil requirements, seed selection, sowing methods, nutrient and water management, weed control, pest and disease management, harvesting, and post-harvest handling. The course emphasizes sustainable and modern agricultural practices to enhance productivity, profitability, and resource efficiency in Rabi crop cultivation.

Course Objective:

The objective of this course is to provide students with scientific knowledge and practical skills related to the cultivation of major Rabi season field crops. The course focuses on crop selection, production techniques, soil and water management, pest and disease control, and sustainable farming practices to enhance crop productivity and resource efficiency during the Rabi season.

1. To understand the importance, distribution, and climatic requirements of major Rabi crops.
2. To gain knowledge of soil preparation, seed selection, and sowing techniques for different Rabi crops.
3. To learn about nutrient and water management strategies for optimizing crop growth under Rabi conditions.
4. To develop skills in weed, pest, and disease management using integrated and eco-friendly approaches.
5. To study harvesting, post-harvest handling, and storage techniques to reduce losses and maintain quality.
6. To understand the economic aspects, government policies, and market dynamics of Rabi crops.

Content:

UNIT-1: Production Technology of Cereals

Origin, geographical distribution, economic importance, soil and climatic, requirements, varieties, cultural practices and yield of rabi crops Cereals : wheat, barley, Rabi sorghum Pulses : chickpea, lentil, peas, French bean

UNIT-2: Production Technology of Oilseed

Origin, geographical distribution, economic importance, soil and climatic requirements, varieties, cultural practices and yield of rabi crops Oilseeds : safflower, sunflower, linseed, rapeseed and mustard

UNIT-3: Production Technology of Sugar crops

Origin, geographical distribution, economic importance, soil and climatic, requirements, varieties, cultural practices and yield of rabi crops Sugar crops : sugarcane and sugar beet

UNIT-4: Production Technology of Commercial crops Origin, geographical distribution, economic importance, soil and climatic requirements, varieties, cultural practices and yield of rabi crops. Commercial crops: potato and tobacco Forage crops: maize, berseem, lucern and oat. Medicinal and aromatic crops : Mentha, lemon grass, citronella, palmarosa, isabgol and posta.

Suggested Readings:

1. Hand book of Agriculture, ICAR Publication, 6th edition

2. Chhida Singh, Prem Singh and Rajbir Singh Modern Techniques of raising field crops
3. Modern technique of raising field crops by Chidda singh
4. Agronomy of field crop by S.R. Reddy
5. Fundamental of Agronomy - Gopal Chandra De. 1980 - Oxford and IBH Publication.
6. Principles of Agronomy – Panda S.C. 2006

Outcomes:

By achieving these outcomes, students will be well-equipped to apply scientific knowledge, optimize resource use, and implement sustainable agro-techniques for Rabi crop cultivation.

1. Understand the Basics of Rabi Crops.
2. Soil and Seedbed Preparation.
3. Crop Production Techniques.
4. Nutrient and Irrigation Management.
5. Weed, Pest, and Disease Management.
6. Economics and Marketing of Rabi Crops.

CMBBACC 403	Financial Management	3L:1T:0P	4 Credits
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Course Description:

Financial Management is offered with intent to equip the students with the basic knowledge of finance theory and its application to develop relevant financial strategies pertinent to profit-seeking organizations. The theme of financial management is structured around three decision making financial areas: Investment- long and short term, Financing and Dividend policy. This imbibes students with analytical and decision-making skills in managing finance through application of theoretical questions and practical problems.

Course Objectives:

1. To apply the knowledge in taking finance decisions
2. To develop analytical skills to identify financial management problems and solve them.
3. To analyse the relationship among capital structure, cost of capital, dividend decisions, and value of the business.
4. To assess a firm's requirement for long-term assets by applying capital budgeting techniques.

Course Content:

Unit I: Introduction to Financial Management

Meaning of finance and financial management, Types of finance, Objective and Scope of financial management- profit maximization and wealth maximization - merits and criticisms- Financial decisions, Internal relation of financial decisions, Factors influencing financial decisions, Functional areas of financial management, Functions of a finance manager, Agency Cost, Definition of ethics and the importance of ethics in Finance, Sources of Finance: Ownership securities - Equity shares, Preference shares, Deferred shares, No par stock/shares, Shares with differential rights, Sweat Equity Creditorship securities - Debentures - Zero coupon bonds, Zero interest bonds, Callable bonds, Deep discount bonds Internal financing or ploughing back of profit - short term and long term sources. Startup finance-Bootstrapping, Series Funding.

Unit II: Capital Structure & Capitalization

Meaning of capitalization - Theories of capitalization - cost theory and earnings theory. Over capitalization and under capitalization (Theory) - causes - effects and remedies, Watered stock, Over trading and under trading. Meaning of capital structure and financial structure, principles of capital structure, Optimum Capital Structure, Determinants of capital structure, capital gearing- Theories of Capital structure, Effect of capital structure on EPS, EBIT-EPS Analysis, Point of indifference-Practical Problems

Unit III: Cost of Capital, Leverages and Managing Working Capital

Meaning of cost of capital, significance of cost of capital, components of cost of capital - Computation of Cost of capital and Weighted Average Cost of Capital, CAPM-Practical Problems. Meaning of Leverage, Types of Leverages - operating, financial and combined leverage, risk and leverage - practical problems.

Managing working Capital - Meaning of working capital, types of working capital, working capital cycle, adequate working capital, determinants of working capital, estimation of working capital- Practice problems. Management of cash. Management of inventory and debtors.

Unit IV: Capital Budgeting and Dividend policy

Meaning of Capital Budgeting, Importance, Need, Time value of money-Present and Future Value (Simple Problems), Capital budgeting process, project appraisal by using traditional methods and modern methods, Practical problems on Payback Period, Net Present Value, Profitability Index, IRR and MIRR methods, Dividend policy-Meaning, Kinds, Theories of dividend decisions, determinants of dividend policy decisions, Companies Act, 2013 and SEBI Guidelines on Dividend Distribution.

Readings:**Textbooks (Latest Editions):**

1. Khan, M, Y, & Jain, P, K . Financial Management. Tata Mc Graw Hill.
2. Chandra, P. Financial Management. New Delhi, India. Tata McGraw Hill Book Co.
3. Pandey, I.M. Financial Management. New Delhi, India. Vikas Publishing House.
4. Kumar, A. Financial Management, Khanna Publishing House.
5. Gupta, S, K., Sharma, R.K. & Gupta, N . Financial Management. Kalyani Publishers.
6. Khan, M, Y, & Jain, P, K . Financial Management. Tata Mc Graw Hill.
7. Brigham and Houston. Fundamentals of Financial Management, Cengage Learning.

Course Outcomes:

On having completed this course, student should be able to:

1. Summarize the motives behind financial decision making.
2. Interpret the relevant theories and concepts of various practices of financial management and ethics in Finance.
3. Analyze the relationship among capital structure, cost of capital, dividend decisions, and value of the business.
4. Evaluate projects for profitability

CMBBACC 404	Production management of horticultural crops	3L:1T:0P	4 Credits
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Course Description:

This course provides an in-depth understanding of the principles and practices involved in the production management of horticultural crops, including fruit crops, vegetable crops, and floriculture. It covers the scientific, technological, and economic aspects of horticultural crop production, including site selection, soil management, planting techniques, irrigation, pest and disease management, harvesting, and post-harvest handling. Special emphasis is placed on sustainable and modern horticultural practices to enhance yield, quality, and profitability.

Course Objectives:

1. To introduce the fundamental principles of horticultural crop production and management.
2. To provide knowledge on the classification, growth requirements, and production techniques of fruit, vegetable, and floriculture crops.
3. To familiarize students with modern technologies in irrigation, fertilization, pest control, and post-harvest management.
4. To develop skills in designing and implementing production plans for various horticultural crops.
5. To promote sustainable and eco-friendly horticultural practices for better crop productivity and quality.

Content:

Unit-1: Importance and scope of fruit crops industry in Maharashtra and India. Package of practices for cultivation of major fruit crops: mango, banana, citrus, grape, papaya, sapota, guava, pomegranate.

unit-2: Importance and scope of vegetables crops industry in Maharashtra and India. Cultivation Practices- Cultivation of major vegetables like Tomato, Potato, Chili, Brinjal, Onion Cabbage, Cauliflower, Watermelon, Cucumber.

Unit -3 Floriculture: Importance and scope of floriculture industry in Maharashtra and India. Horticulture gardening- Types of gardens, Principles of garden design (Formal and Informal garden and Landscaping).

Unit-4: Cultivation practices- Rose, chrysanthemum, aster, Carnation, Jasmine Marigold, Gladiolus, Tuberose, and Gaillardia.

Reference books:

1. Hayes, W. B. Fruit Growing in India. Kitab Publishing Co., Allahabad.
2. Shanmugavelu, K. G. Production Technology of Fruit Crops, SBA Publishers, Kolkatta.
3. Singh, Ranjeet. Fruits. National Book Trust Ltd., New Delhi.
4. Sham Singh. Fruit Growing. Kalyani Publishers, New Delhi.
5. Bose, T. K. and S. K. Mitra. Propagation of Tropical and Subtropical Horticultural Crops, Naya Udyog, 206, Bidhan Savani, Kolkatta-700016.
6. Baker, H. Fruits. Mitchell Meagrey Publications, London.
7. Singh, A. Fruit Production and Technology. Kalyani Publishers, New Delhi.
8. Yadav, P. K. Fruit Production Technology. International Book Distributing Co., Division, Lucknow, India.
9. Sharma, R. R. Fruit Production Problems and Solutions. International Book Distributing Co., Division, Lucknow, India.
10. Kumar, P. Management of Horticultural Crops. (HortSciene Series Vol. 11, New India Publishing

Agency, NIPA). Kumar, P. Management of Horticultural Crops. (HortSciene Series Vol. 11, New India Publishing Agency, NIPA).

11. Kunte, Y. N, Kawthalkar, M. P., Yawalkar, K.S. Principles of Horticulture and Fruit growing, Agro-Horticultural Pub.House, Nagpur.

Course Outcomes:

1. Explain the scientific and practical aspects of fruit, vegetable, and floriculture crop production.
2. Identify and implement appropriate cultural practices for different horticultural crops.
3. Utilize modern technologies for efficient production, pest management, and post-harvest handling.
4. Analyze and optimize production practices for maximizing yield and profitability.
5. Develop sustainable and environmentally friendly strategies for horticultural crop production.
6. Demonstrate problem-solving skills in addressing challenges in horticultural crop management.

CMBBAVA C 401	Business Environment and Public Policy Or Enterprise System and Platforms Or Geo Politics and impact on Business Or Public Health and Management	2L:1T:0P 0L:1T:2P 2L:1T:0P 2L:1T:0P	2 Credits
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Business Environment and Public Policy

Course Objective(s):

The objective of this course is to give an orientation to the students with various aspects of economic, social, political and cultural environment of India. This will help them in gaining a deeper understanding of the environmental factors influencing Indian business organizations. Additionally, delving into public policies will give students a grasp of the regulatory framework and government initiatives shaping the business landscape in India.

Course Content:

Unit 1:

Theoretical Framework of Business Environment: Concept, Significance and Nature of Business Environment. Micro and Macro Dimensions of Business Environment, Changing Dimensions of Business Environment. Problems and Challenges of Indian Business Environment.

Unit 2:

Global Framework: EPRG Framework, Liberalization, Privatization & Globalization concept & its impact on Indian Economy. Significance of FDI & FII, IMF & WTO, Regional Economic Integrations in the development of the Nations.

Unit 3:

Public Policies: Background, Meaning and Importance of Public Policy. Significance of Industrial Policy, Fiscal Policy, Monetary Policy, Foreign Trade Policy, FERA & FEMA. Structural Adjustment Programs and Banking Sector Reforms in India.

Unit 4:

Problems and Challenges of Growth of Economy: Unemployment, Poverty, Regional Imbalance. Social Injustice, Inflation, Parallel economy, Lack of technical knowledge and information. Remedies to solve these problems, Challenges & Opportunities of Indian Business Environment.

Unit 5:

Emerging Trends in Business: Concepts, Advantages and Limitations-Franchising, Aggregators, Business Process Outsourcing (BPO) & Knowledge Process Outsourcing (KPO); E-Commerce, Digital Economy. Technological Growth and MNC's.

Text Books / References:

1. K. Aswathappa: Essentials of Business Environment, Himalaya Publishing House.
2. Francis Cherunilam: Business Environment, Himalaya Publishing House.
3. A. C. Fernando: Business Environment, Pearson.
2. Dr. S Sankaran: Business Environment, Margham Publications.
3. Dr V Murali Krishna: Business Environment, Spectrum Publications.
4. Namitha Gopal: Business Environment, McGraw Hill.

Course Outcome(s):

At the end of the course student will be able to:

1. Understand relationship between environment and business, different concepts & its implementation.
2. Integration of business environment principles and strategies into domestic and international business.
3. In-depth knowledge of public policies and reforms since independence.
4. Apply the knowledge to analyse the current situations and take prudent decisions.

Enterprise System and Platforms

Course Objective:

The course aims to provide students with comprehensive knowledge and practical skills in the field of Enterprise Resource Planning (ERP). Students will learn to design, implement, and manage ERP systems, as well as understand advanced ERP features and future trends, using various free or student-accessible tools.

Course Content:

Unit 1: Introduction to Enterprise Resource Systems

Overview of Enterprise Resource Planning (ERP), Definition and Evolution of ERP, Key Drivers for ERP Implementation, ERP Components and Architecture, Core Modules (Finance, HR, Supply Chain, etc.), Common Challenges and Solutions

Unit 2: ERP System Design and Architecture

ERP System Design, System Development Life Cycle (SDLC) for ERPs, Customization vs. Standardization, ERP Architecture, Three-Tier Architecture, Integration of ERP with Other Systems, ERP Vendors and Solutions, Overview of Major ERP Vendors (SAP, Oracle, Microsoft, etc.), Comparison of ERP Solutions

Unit 3: ERP Implementation and Management

Implementation Strategies, Planning and Preparation, Data Migration and Integration, Project Management for ERP Implementation, Project Planning and Execution, Risk Management and Mitigation, Post-Implementation Activities, Training and Support, Continuous Improvement and Maintenance

Unit 4: Advanced Topics and Future Trends in ERP

Advanced ERP Features, Business Intelligence and Analytics, Cloud-Based ERP Solutions, Emerging Trends in ERP, Internet of Things (IoT) and ERP Integration, Artificial Intelligence and Machine Learning in ERPs, Impact of ERP on Business Strategy, Strategic Decision Making with ERP, ERP and Digital Transformation

Practical Work List (Suggestive)

- Create a comprehensive report and presentation on the evolution, key drivers, core modules, technical architecture, and business benefits of ERP systems using any software or platform. Explore an ERP system to understand core modules such as Finance, HR, and Supply Chain. Detail the benefits and challenges of using ERP systems in a demonstration report.
- Design the architecture of an ERP system, illustrating the Three-Tier Architecture and integration with other systems, using any software or platform. Compare features, benefits, and costs of major ERP vendors. Prepare a comparison report and present findings.
- Develop a detailed project plan for ERP implementation, including phases like planning, data migration, risk management, and post-implementation activities using any software or platform. Manage a mock ERP implementation project, including planning, execution, risk management, and progress tracking.
- Explore cloud-based ERP solutions to understand their features and benefits. Create a report on the implementation and management of cloud ERP systems.

Textbooks (Latest Edition):

- "Enterprise Resource Planning" by Alexis Leon
- "Modern ERP: Select, Implement, and Use Today's Advanced Business Systems" by Marianne Bradford
- "ERP Demystified" by Alexis Leon
- "Enterprise Resource Planning Systems: Systems, Life Cycle, Electronic Commerce, and Risk" by Daniel E. O'Leary
- Fundamentals of Enterprise Resource Planning", Author: Ellen Monk, Bret Wagner

Reference Readings

1. Yu Chung Wang, W., Pauleen, D., & Taskin, N. (2022). Enterprise systems, emerging technologies, and the data-driven knowledge organisation. *Knowledge Management Research & Practice*, 20(1), 1-13.
<https://doi.org/10.1080/14778238.2022.2039571>
2. Arshad, N. I., Bosua, R., Milton, S., Mahmood, A. K., Zainal Abidin, A. I., Mohd Ariffin, M., & Mohd Aszemi, N. (2021). A sustainable enterprise content management technologies use framework supporting agile business processes. *Knowledge Management Research and Practice*, 1-18. <https://doi.org/10.1080/14778238.2021.1973352>
3. Alhanof Almutairi, M. Asif Naeem, Gerald Weber, Understanding enterprise systems adaptability: An exploratory survey, *Procedia Computer Science*, Volume 197, 2022, Pages 743-750, <https://doi.org/10.1016/i.procs.2021.12.196>.
4. Buonanno G., P. Faverio, F. Pigni, A. Ravarini, D. Sciuto, M. Tagliavini, "Factors affecting ERP system adoption: A comparative analysis between SMEs and large companies.", *Journal of Enterprise Information Management*, 18 (2005), pp. 384-426
5. Ignatiadis, I., Nandhakumar, J. The impact of enterprise systems on organizational resilience. *J Inf Technol* 22, 36-43 (2007).
<https://doi.org/10.1057/palgrave.iit.2000087>

Case Studies

1. Radically Simple IT, David M. Upton and Bradley R. Staats, <https://hbr.org/2008/03/radically-simple-it>
2. Putting the Enterprise into the Enterprise System, Thomas H. Davenport, <https://hbr.org/1998/07/putting-the-enterprise-into-the-enterprise-system>
3. Delhivery: Leveraging the Platform, R. Srinivasan, Sreecharan Rachakonda, Raj Kovid KR, <https://hbsp.harvard.edu/product/IMB789-PDF-ENG?Ntt=Delhivery%3A%20Leveragmg%20the%20Platform>

Course Outcomes:

1. Students will **understand** the key concepts, components, and evolution of ERP systems, including the drivers for ERP implementation and the challenges and solutions associated with ERP systems.
2. Students will **apply** knowledge of ERP system design and architecture by using tools to create system diagrams, compare ERP solutions, and evaluate the integration of ERP with other systems.
3. Students will **analyze and evaluate** ERP implementation strategies, project management techniques, and risk management approaches, including the planning, execution, and post-implementation phases of ERP projects.
4. Students will **create** business intelligence reports and dashboards and assess the impact of advanced ERP features such as cloud-based solutions, IoT integration, and AI/ML on business strategy and digital transformation.

Geopolitics and impact on Business

Course Objectives:

The course aims to help students to Understand the role and significance of geopolitics and global dimensions of international business and examine the changing nature of global geopolitics and its potential effects of global and persistent geopolitical conflicts on political economy

Course Content:

Unit 1: Introduction to Geopolitics

Definition, Nature and Scope of Geopolitics, Theories of Geopolitics- Mackinder's Heartland

Theory, Sea Power (Alfred Thayer Mahan), Rimland Theory (Nicholas J Spykman), Robert D Kaplan.

Contemporary Issues in Geopolitics- Global Environmental Issues, Geopolitics of Energy and Natural Resources, Geoeconomics, Geopolitics of Technology, Globalization and geopolitics, Border Disputes, Popular Culture and Geopolitics, Geopolitics and Risk Analysis. Rise of Protectionism, and Geopolitical Tensions

Unit 2: Globalization and International Political Economy in geopolitical scenario

Post-War International Economic Order- IMF, World Bank, WTO; New International Economic Order- BRICS, North-South, South-South Cooperation; Globalization, National Differences in Political Economy.

Unit 3: Global Trade and Monetary Systems

Foreign Direct Investment, Foreign Exchange Market, Global Capital Market, International Monetary System, Supply Chain Disruptions and Management. Case studies on the Suez Canal, COVID Pandemic, US-China trade war, Russia- Ukraine, Israel-Palestine and China-Taiwan conflict.

Unit 4: Emerging Trends and Issues in Geopolitics and Business

Ethics and Culture in International Business, Differences and Challenges in International Business trade wars, unfair trade practices by developed and developing economies, anti-dumping, Tariff wars, MNCs and their lobbying and influence in domestic politics, Cyber Warfare and Cyber Attacks and anti-piracy law, Global and Sustainable Trade Practices and its impact on national economies, Issues in Brexit, World Recession, Inflationary Trends

Text Books (Latest Edition):

1. Kline, J. Ethics for International Business: Decision-making in a global political economy. London: Routledge.
2. Dodds, Klaus, Geopolitics in a Changing World, Prentice Hall: Essex, England.
3. Mearsheimer, J. J. The tragedy of great power politics. W. W. Norton & Company.
4. Kaplan, R. D. The revenge of geography: What the map tells us about coming conflicts and the battle against fate. Random House.
5. Black, J. ,Geopolitics and the Quest for Dominance. Bloomington: Indiana University Press.
6. Ikenberry, G. J. The Illusion of Geopolitics. Foreign Affairs, 93(3), 80.
7. Cavusgil, S.T., Knight, G., & Riesenberger, J.R., International Business: The New Realities, Prentice Hall.

Articles

1. Navigating Troubled Waters: Impact to Global Trade of Disruption of Shipping Routes in the Red Sea, Black Sea and Panama Canal. (2024). In UNCTAD Policy Brief. <https://doi.org/10.18356/27082822-114a>.
2. O'Sullivan, M., Overland, I., & Sandalow, D. (2017). The Geopolitics of Renewable Energy. Social Science Research Network. <https://doi.org/10.2139/ssrn.2998305>.
3. Doz, Y., & Prahalad, C. K. (1980). How MNCs Cope with Host Government Intervention. Harvard Business Review.
4. Schwarzenberg, A. B. (2018b). U.S. Trade Debates: Select Disputes and Actions. https://digital.library.unt.edu/ark:/67531/metadc1311958/m2/1/high_res_d/I_F10958_2018Aug28.pdf
5. Abbott, Kenneth and Snidal, Duncan, (1998), 'Why States Act Through Formal International Organizations', Journal of Conflict Resolution.

References**Case Study**

1. Universal Pictures: Film Cut Dilemma Amid Geopolitical Conflict by Harvinder Singh; Rakesh Gupta, Harvard Business Publishing
2. Ukraine: On the Border of Europe and Eurasia by Rawi Abdelal; Rafael Di Tella; Sogomon Tarontsi, Harvard Business Publishing

Course Outcomes:

1. Demonstrate a comprehensive understanding of global events and their implications on geopolitics
2. Identify the role and impact of geopolitics on the International political economic variables in international business
3. Analyse and evaluate the application of knowledge of Global trade and monetary systems to develop competitive strategies in regional, and global markets
4. Assess and predict how emerging trends in geopolitics impact strategic decisions of international business

Public Health and Management

Course Objective(s):

- Create a basic understanding of fundamentals of public health.
- Know the health system of India along with public health planning and implication of policy making.
- Provide an overall exposure to contemporary issues of Indian Public Health and know the recent policy initiatives to address those challenges.

Course Content:

Unit 1: Public Health - Key concepts, approaches, frameworks & measures

- Concept of Public Health and its role in society
- Evolution of Public Health
- Global Health Framework - Understanding health and disease
- Health equity and social determinants of Health

Unit 2: Health systems in India

- History of public health in India
- Organization of health systems in India
- Health system in India : Key Issues
- Major Contemporary Health Schemes and Programmes as case studies - National Health Mission, Integrated Child Development Services (ICDS), Janani Suraksha Yojana, Ayushman Bharat Scheme, POSHAN Abhiyan etc.

Unit 3: Concepts and practices of management & health planning

- Basic concepts of planning - macro to micro
- Tool for planning
- Health management in a district

Unit 4: Monitoring & Evaluation

- Introduction to Monitoring & Evaluation
- Health system frameworks
- Application of health system frameworks

Text Books / References:

- Goldstein RL, Goldstein K, Dwelle TL *Introduction to Public Health: Promises and Practices*, Springer Publishing Company
- Sen A, "Health in Development", *Bulletin of the World Health Organization*, Vol. 77(8)
- Balarajan Y, Selvaraj S, Subramanian SV, "Health care and equity in India", *The Lancet*, Vol. 377(9764)
- R N Batta, ("Public health management in India: Concerns and options *J*", *Journal of Public Administration and Policy Research*, Vol. 7(3)
- National Health Policy 2017, Ministry of Health and Family Welfare, Govt. of India

Course Outcome(s):

After completing this course, students would be able to:

- Understand the fundamental concepts, approaches, frameworks and key measures related to population health
- Comprehend patterns of key population health indicators and respective policy efforts made by the Indian Government
- Understand the process of developing evidence-based public health planning and nuances of policymaking

CMBBACC 405	International Business	0L:1T:2P	2 Credits
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Course Objectives:

The course aims to help students to understand the evolution and significance of international trade in contemporary business environment and examine various economic integration by analyzing the emerging trends in International Business

Course Contents:

Unit 1: Introduction to International Business

Introduction to International Business Stages of Internationalization - EPRG Framework - International Trade Theories: Theories of International Trade Mercantilists, Absolute Cost and Comparative Advantage, Factor Proportions, Neo-factor Proportions Theories, Country Similarity Theory, Intra-industry Trade, Tariff and Non-Tariff Barriers in Global Businesses

Unit 2: Introduction of Foreign Direct Investment

Introduction Foreign Direct Investment in the World Economy, Trends in FDI Theories of Foreign Direct Investment, Greenfield and Brownfield FDI, Benefits and Costs of FDI, International Institutions and the Liberalization of FDI, CAGE Model.

Unit 3: Economic Integration

Economic indicators and their impact on international business decisions, Regional Economic Integration and Trade Blocs, Basic Principles of Multilateral Trade Negotiations, Instruments of Trade Regulation, FDA, custom union, common market economic union, Emerging Markets and Developing Economies.

Unit 4: Emerging Trends in International Business

International Entrepreneurship and Born Global Firms, Ethical Considerations - CSR Frameworks and Approaches and ethical considerations, ESG investing and reporting standards, corporate responses to climate change and social justice issues Implications of Brexit on international business laws, the rise of digital platforms, and ecommerce. Re-shoring and Nearshoring Trend, Impact of pandemic on International Business.

Text Books (Latest Edition):

1. International Business: Competing in the Global Marketplace" by Charles W. L. Hill.
2. International Business: Concept, Environment and Strategy, 3e by Vyuptakesh Sharan Pearson Education
3. International Business: The Challenges of Globalization by John J. Wild and Kenneth L. Wild.
4. Rakesh, M. J. International Business, New Delhi, Oxford University Press.
5. Aswathappa, A. . International Business, 2e. Tata McGraw-Hill Education.

References

Research articles

1. Cuervo-Cazurra, A. (2006). Who cares about corruption? Journal of international business studies, 37, 807-822.
2. Hofstede, G. (2006). What did GLOBE really measure? Researchers' minds versus respondents' minds. Journal of international business studies, 37, 882-896.
3. Sharma, P., Leung, T. Y., Kingshott, R. P., Davcik, N. S., & Cardinali, S. (2020). Managing uncertainty during a global pandemic: An international business perspective. Journal of business research, 116, 188-192.
4. Bahoo, S., Alon, I., & Paltrinieri, A. (2020). Corruption in international business: A review and research agenda. International Business Review, 29(4), 101660.
5. Shams, R., Vrontis, D., Belyaeva, Z., Ferraris, A., & Czinkota, M. R. (2021). Strategic agility in international business: A conceptual framework for "agile" multinationals. Journal of International Management, 27(1), 100737.
6. Krueger, A. O. (1990), "Trends in Trade Policies of Developing Countries" in C. S. Pearson

and James Riedel (eds.), The Direction of Trade Policy (Cambridge, MA.: Basil Blackwell).

Case Study

1. The Battle in Seattle and the Anti-Globalization Movement Pg 82 International Business, Managing Globalization, John S. Hill
2. Making the Apple iPhone International Business, Eleventh Edition (McGraw Hill 2019), by Charles W.L. Hill, G. tomas M. Hult, Rohit Mehtani
3. Case Study: Pharameasy Expansion Dilemma amidst Regulatory Uncertainties Ivey Publishing 2020
4. Case Study: Unilever's Lifebuoy in India: Implementing the sustainable plan Harvard Business School Case study 2017

Course Outcomes:

1. Demonstrate and interpret the fundamental theories of international business and trade.
2. Develop an understanding of the concept of Foreign Direct Investment and its impact on various world economy
3. Analyse the significance of economic Integration in International Business
4. Appraise and develop a comprehensive understanding of global emerging trends and stakeholder engagement

CMBBASEC 402	Design Thinking and Innovation	1L:1T:0P	2 Credits
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Course Objectives:

Operating under turbulent and uncertain business environment, ‘innovation’ has become the key driver of organizational success for all companies. Managers are expected to be leading this change by navigating companies into rapid evolution of new products/services and business models.

The primary focus of DTI is to help learners develop creative thinking skills and apply design based approaches/tools for identifying and implementing innovation opportunities into implementable projects. Following a learning-by-doing approach, the objectives of the course are -

1. Introduce students to design-based thinking approach to solve problems
2. Observe and assimilate unstructured information to well framed solvable problems
3. Introduce student to templates of ideation
4. Understand the importance of prototyping in the innovation journey
5. Implementing innovation projects

Course Content:

Unit 1: Basics of Design Thinking

1. Understand the concept of innovation and its significance in business
2. Understanding creative thinking process and problem solving approaches
3. Know Design Thinking approach and its objective
4. Design Thinking and customer centricity - real world examples of customer challenges, use of Design Thinking to Enhance Customer Experience, Parameters of Product experience, Alignment of Customer Expectations with Product.
5. Discussion of a few global success stories like AirBnB, Apple, IDEO, Netflix etc.
6. Explain the four stages of Design Thinking Process - Empathize, Define, Ideate, Prototype, Implement

Unit 2: Learning to Empathize and Define the Problem

1. Know the importance of empathy in innovation process - how can students develop empathy using design tools
2. Observing and assimilating information
3. Individual differences & Uniqueness Group Discussion and Activities to encourage the understanding, acceptance and appreciation of individual differences.
4. What are wicked problems
5. Identifying wicked problems around us and the potential impact of their solutions

Unit 3 : Ideate, Prototype and Implement

1. Know the various templates of ideation like brainstorming, systems thinking
2. Concept of brainstorming - how to reach consensus on wicked problems
3. Mapping customer experience for ideation
4. Know the methods of prototyping, purpose of rapid prototyping.
5. Implementation

Unit 4 : Feedback, Re-Design & Re-Create

1. Feedback loop, focus on User Experience, address ergonomic challenges, user focused design
2. Final concept testing,
3. Final Presentation - Solving Problems through innovative design concepts & creative solution

Text Books (Latest Edition):

1. E Balaguruswamy , Developing Thinking Skills (The way to Success), Khanna Book Publishing Company
2. Tim Brown, “Change by Design: How Design Thinking Transforms Organizations and

Inspires Innovation”, *Harvard Business Review*

3. 8 steps to Innovation by R T Krishnan & V Dabholkar, Collins Publishing

Reference Book

1. Design Thinking by Nigel Cross, Bloomsbury

Course Outcome(s):

By the end of the course, students will be able to -

- Propose real-time innovative product designs and Choose appropriate frameworks, strategies, techniques during prototype development.
- Know wicked problems and how to frame them in a consensus manner that is agreeable to all stakeholders using appropriate frameworks, strategies, techniques during prototype development.
- Analyze emotional experience and Inspect emotional expressions to better understand users while designing innovative products
