

**GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT(GITAM)
(Deemed to be University)
VISAKHAPATNAM * HYDERABAD * BENGALURU**

Accredited by NAAC with A⁺⁺ Grade



CURRICULUM AND SYLLABUS

OF

UMGMT07: BBA (Financial Markets)

w.e.f. 2022-23 admitted batch

(Updated up to July 2024)

Academic Regulations

**Applicable for the Undergraduate Programmes in the Schools of Business,
Humanities & Social Sciences, Science, Technology**

<https://www.gitam.edu/academic-regulations>

VISION AND MISSION OF THE UNIVERSITY

VISION

To become a global leader in higher education.

MISSION

To impart futuristic and comprehensive education of global standards with a high sense of discipline and social relevance in a serene and invigorating environment.

BBA (Financial Markets)

VISION AND MISSION OF THE SCHOOL

VISION

To be a world class business school through transformative education, research, Innovation and entrepreneurship.

MISSION

1. To achieve excellence in academic program design and delivery.
2. To pursue research that adds value to scholarship and improves business practice.
3. To undertake entrepreneurial initiatives to achieve societal impact and sustainability.

BBA Financial Markets

(w.e.f. academic year 2022-23admitted batch)

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO 1	Able to understand the critical aspects of Accounting, Finance, and Business Management.
PEO 2	Prepare and analyze Various Financial Reports using IFRS at the global level.
PEO 3	Utilize tools such as Microsoft Advanced Excel, Taxation principles at national and global level, Strategic Business Leadership Case Studies, and solve business and finance-related problems.
PEO 4	Apply various financial techniques to analyze and interpret financial statements.
PEO 5	Incorporate the descriptive, predictive and prescriptive analysis of various kinds of Annual Financial records.

Mapping of the Mission of the School with the PEOs

	PEO1	PEO2	PEO3	PEO4	PEO5
M1	H	M	M	M	M
M2	M	H	H	H	H
M3	M	H	H	H	H
M4	H	H	M	H	H

H – High, M – Medium, L – Low

PROGRAMME OUTCOMES(POs) AND PROGRAMME SPECIFIC OUTCOMES(PSOs):

At the end of the Programme the students would be able to:

BBA (FINANCIAL MANAGEMENT)

Programme Outcomes and Programme Specific Outcomes

At the end of the program the students would be able to

PO 01 Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.

PO 02 Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.

PO 03 Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.

PO 04 Effective Citizenship: Demonstrate empathetic social concern and equity centred national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.

PO 05 Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.

PO 06 Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.

PO 07 Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes.

PSO1 Understand and examine the functioning of financial markets.

PSO2 Examine the operations of mutual funds, equity markets, commodity markets and other capital market operations.

PSO3 Apply the knowledge on the Indian financial system, commodity market analysis, insurance management, business simulation, industrial relations etc for business decisions.

PSO4 Apply the techniques of management accounting, financial management, business statistics and business economics for business decision making.

Curriculum Structure
(Flexible Credit System)

UNIVERSITY CORE (UC)								
Course code	Level	Course title	L	T	P	S	J	C
CSEN1001	1	IT Productivity Tools^	0	0	2	0	0	1*
CLAD1001	1	Emotional Intelligence & Reasoning Skills (Soft Skills 1)	0	0	2	0	0	1
CLAD1011	1	Leadership Skills & Quantitative Aptitude (Soft Skills 2)	0	0	2	0	0	1
CLAD1021	1	Verbal Ability & Quantitative Ability (Soft Skills 3)	0	0	2	0	0	1
CLAD1031	1	Practicing Verbal Ability & Quantitative Aptitude (Soft Skills 4)	0	0	2	0	0	1
CLAD20XX	2	Soft skills 5A/5B/5C	0	0	2	0	0	1
CLAD20XX	2	Soft skills 6A/6B/6C	0	0	2	0	0	1
DOSP10XX	1	Sports 1#	0	0	0	2	0	2*
DOSL10XX	1	Club Activity#	0	0	0	2	0	2*
DOSL10XX	1	Community Service#	0	0	0	0	2	2*
ENVS1001	1	Environmental Studies^	3	0	0	0	0	3*
FINA3001	3	Personal Financial Planning#	0	0	2	0	0	1*
LANG1001	1	Communication Skills in English - Beginners	0	0	4	0	0	2*
LANG1011	1	Communication Skills in English	0	0	4	0	0	2
LANG1021	1	Advanced Communication Skills in English	0	0	4	0	0	2
MFST1001	1	Health and Wellbeing#	0	0	2	0	0	1*
POLS1001	1	Indian Constitution and History	2	0	0	0	0	2*
PHPY1001	1	Gandhi for the 21st Century	2	0	0	0	0	2*
VEDC1001	1	Venture Development	0	0	0	2	0	2
* Pass/Fail courses # Opt any three courses among the five ^ Online/Swayam/NPTEL Courses								

Soft skills courses 5 and 6								
Course code	Level	Course title	L	T	P	S	J	C
CLAD2001	2	Preparation for Campus Placement-1 (Soft skills 5A)	0	0	2	0	0	1
CLAD2011	2	Preparation for Higher Education (GRE/ GMAT)-1 (Soft skills 5B)	0	0	2	0	0	1
CLAD2021	2	Preparation for CAT/ MAT - 1 (Soft skills 5C)	0	0	2	0	0	1

CLAD2031	2	Preparation for Campus Placement-2 (Soft skills 6A)	0	0	2	0	0	1
CLAD2041	2	Preparation for Higher Education (GRE/ GMAT)-2 (Soft skills 6B)	0	0	2	0	0	1
CLAD2051	2	Preparation for CAT/ MAT - 2 (Soft skills 6C)	0	0	2	0	0	1

Sports Courses								
Course code	Level	Course title	L	T	P	S	J	C
DOSP1001	1	Badminton	0	0	0	2	0	2
DOSP1011	1	Chess	0	0	0	2	0	2
DOSP1021	1	Carrom	0	0	0	2	0	2
DOSP1031	1	Football	0	0	0	2	0	2
DOSP1041	1	Volleyball	0	0	0	2	0	2
DOSP1051	1	Kabaddi	0	0	0	2	0	2
DOSP1061	1	Kho Kho	0	0	0	2	0	2
DOSP1071	1	Table Tennis	0	0	0	2	0	2
DOSP1081	1	Handball	0	0	0	2	0	2
DOSP1091	1	Basketball	0	0	0	2	0	2
DOSP1101	1	Tennis	0	0	0	2	0	2
DOSP1111	1	Throwball	0	0	0	2	0	2

Club Activity Courses								
Course code	Level	Course title	L	T	P	S	J	C
DOSL1001	1	Club Activity (Participant)	0	0	0	2	0	2
DOSL1011	1	Club Activity (Member of the Club)	0	0	0	2	0	2
DOSL1021	1	Club Activity (Leader of the Club)	0	0	0	2	0	2
DOSL1031	1	Club Activity (Competitor)	0	0	0	2	0	2
Community Service courses								
Course code	Level	Course title	L	T	P	S	J	C
DOSL1041	1	Community Services - Volunteer	0	0	0	0	2	2
DOSL1051	1	Community Services - Mobilizer	0	0	0	0	2	2

Faculty Core								
Course code	Level	Course title	L	T	P	J	S	C
IENT1001	1	Business Economics	3	0	0	0	0	3
ACCN1001	1	Introduction to Financial Accounting	4	0	0	0	0	4
OPTS1001	1	Business Mathematics	3	0	0	0	0	3
IENT1011	1	Indian Business Environment	3	0	0	0	0	3
HRMG1001	1	Principles and Practice of Management	3	0	0	0	0	3
LANG1XXX	1	Second Language	3	0	0	0	0	3
FINA1031	1	Principles and Practice of Banking	3	0	0	0	0	3
ACCN1071	1	Cost and Management Accounting	4	0	0	0	0	4
OPTS1101	1	Fundamentals of Business Statistics	3	0	0	0	0	3
BUAN2001	2	Excel	2	0	0	0	0	2
IENT2001	2	Entrepreneurship	2	0	0	0	0	2
FINA2071	2	Indian Financial System	3	0	0	0	0	3
HRMG2011	2	Business Laws	3	0	0	0	0	3
BUAN2011	2	Emerging Technologies	2	0	0	0	0	2
FINA2001	2	Essentials of Financial Management	3	0	0	0	0	3
ACCN2051	3	Indian Income Tax Law & Practice	4	0	0	0	0	4
HRMG3041	3	Employment Laws	3	0	0	0	0	3
FINA2081	2	Insurance Management	3	0	0	0	0	3
FINA3101	3	Stock Market Operations	4	0	0	0	0	4
INTN2777	3	Internship	0	0	0	0	3	3
VIVA3999	3	Comprehensive Viva Voce	0	0	2	0	0	2

Second Language Courses								
Course code	Level	Course title	L	T	P	S	J	C
LANG1081	1	Special English	3	0	0	0	0	3
LANG1091	1	Hindi	3	0	0	0	0	3
LANG1101	1	Sanskrit	3	0	0	0	0	3
LANG1111	1	Telugu	3	0	0	0	0	3

Programme Core/ Major Core (PC/MaC)								
Course code	Level	Course title	L	T	P	J	S	C
FINA1021	1	Introduction to Financial Markets	4	0	0	0	0	4
FINA1051	2	Introduction to Mutual Funds	3	0	0	0	0	3
FINA2091	3	Capital Market Operations	4	0	0	0	0	4
FINA3161	2	Derivatives Market Operation	4	0	0	0	0	4
FINA3111	3	Investment Analysis and Portfolio Management	3	0	0	0	0	3
FINA3121	3	Commodities Market Analysis	4	0	0	0	0	4
FINA3131	3	Fundamental Analysis	4	0	0	0	0	4
FINA3141	3	Simulation of Equity shares	0	0	4	0	0	2
FINA3151	3	Technical Analysis	4	0	0	0	0	4
FINA2101	3	Introduction to Currency Derivatives	4	0	0	0	0	4
FINA2201	2	Simulation of Mutual Funds	2	0	0	0	0	2

Credit Distribution Table		
Description	Number of Credits	% of Credits
University Core (UC)	12	10%
Faculty Core (FC)	63	52%
Program Core (PC)	38	31%
Open Elective (OE)	9	7%
Total	122	100

Course PO Mapping

Course Code	Course Name	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3	PSO 4
IENT 1001	Business Economics	M	M	L	L	L	L	L	M	L	L	L
ACCN 1001	Financial Accounting	H	H	H	H	H	H	H	M	M	H	M
OPTS 1001	Business Mathematics	M	M	M	M	M	H	H	L	L	L	L
IENT 1011	Indian Business Environment	H	H	M	M	M	H	L	L	M	M	M
HRMG1001	Principles and Practice of Management	M	M	M	M	M	L	L	L	L	L	L
LANG1XXX	Second Language	M	M	M	M	L	L	L	L	L	L	L
LANG1021	*English1/English2/Foreign Language	M	M	M	M	M	M	M	M	M	M	L
FINA1031	Principles and Practice of Banking		H	H	H	M	M	H	H	H	H	M
ACCN1071	Cost and Management Accounting		M	M	M	L	H	M	H	M	H	M
OPTS1101	Fundamentals of Business Statistics		M	H	H	M	M	H	H	H	H	M
BUAN2001	Excel		M	M	M	L	M	M	H	M	H	M
IENT2001	Entrepreneurship		H	H	H	M	M	H	H	H	H	L
FINA2071	Indian Financial System		M	M	M	L	H	M	H	M	H	M
HRMG2011	Business Laws		M	M	M	L	H	M	H	M	H	M
BUAN2011	Emerging Technologies		H	H	H	M	M	H	H	H	H	M
FINA2001	Essentials of Financial Management		H	H	H	M	M	H	H	H	H	M
ACCN2051	Income Tax Law & Practice		M	M	L	L	M	L	H	M	H	M
HRMG3041	Employment Laws		M	M	M	M	M	H	L	L	L	L
IENT 1001	Business Economics		M	M	M	M	M	H	H	H	H	M
ACCN 1001	Financial Accounting		H	H	H	M	M	H	H	H	H	M
OPTS 1001	Business Mathematics		H	H	H	M	M	H	H	H	H	M
IENT 1011	Indian Business Environment		H	H	H	M	M	H	H	H	H	M
HRMG1001	Principles and Practice of Management		M	M	M	M	M	H	H	H	H	M
LANG1XXX	Second Language		L	L	L		L	L	L	L	L	L
LANG1021	*English1/English2/Foreign Language		L	L	L	L	L	L	L	L	L	L
FINA1031	Principles and Practice of Banking	H	H	H	H	M	M	H	H	H	H	H
ACCN1071	Cost and Management Accounting	H	H	H	H	M	M	H	H	H	H	H
FINA1021	Introduction to Financial Markets	H	H	H	H	M	M	H	H	H	H	M
FINA1051	Introduction to Mutual Funds	H	H	H	H	M	M	H	H	H	H	M
FINA2091	Capital Market Operations	H	M	M	M	L	H	M	H	M	M	M
FINA2081	Insurance Management	H	H	H	M	H	L	L	H	M	M	M

FINA3161	Derivatives Market Operation	H	H	H	H	M	M	H	H	H	H	M
FINA3111	Investment Analysis and Portfolio Management	H	H	H	M	H	L	L	H	M	M	M
FINA3121	Commodities Market Analysis	H	H	H	H	M	M	H	H	H	H	H
FINA3131	Fundamental Analysis	H	H	H	M	H	L	L	H	M	M	M
FINA3101	Stock Market Operations	H	H	H	M	H	L	L	H	M	M	M
FINA3141	Simulation of Equity shares	H	H	H	H	M	M	H	H	H	H	H
INTN2777	Internship	H	H	H	H	M	M	H	H	H	H	M
FINA3151	Technical Analysis	H	H	H	H	M	M	H	H	H	H	M
FINA2101	Introduction to Currency Derivatives	H	H	H	H	M	M	H	H	H	H	M
Viva 3999	Comprehensive Viva Voce	M	H	H	M	M	M	H	H	H	H	M

Syllabus

University Core

CSEN1001	IT PRODUCTIVITY TOOLS	L	T	P	S	J	C
		0	0	2	0	0	1
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	Familiarity with Computer system and its operation.						

Course Description:

This course introduces all software tools that improve the productivity of a student in enhancing his learning experience with all the activities taken up as part of his coursework.

Course Educational Objectives:

- to impart the skill in preparing technical documents of professional quality using docs, sheets and forms
- to involve the student in preparation of websites, analyzing data and acquaint the student with the skill of processing audio, images, documents etc.

10 hours

List of Experiments:

1. Create a typical document consisting of text, tables, pictures, multiple columns, with different page orientations.
2. Create a technical paper / technical report consisting of table of contents, table of figures, table of tables, bibliography, index, etc.
3. Compose and send customized mail / e-mail using mail-merge.
4. Create / modify a power point presentation with text, multimedia using templates with animation.
5. Create spreadsheet with basic calculations with relative reference, absolute reference and mixed reference methods.
6. Simple report preparation using filtering tool / advanced filtering commands / pivot tables in spreadsheet application.
7. Analyze the results of a examination student wise, teacher wise, course wise, institute-wise.
8. Collecting and consolidating data using collaborative tools like google docs, sheets, forms.
9. Create charts / pictures using online tools like: www.draw.io or smartdraw
10. Create a website of his interest.

Textbooks:

1. Katherin Murray, 'Microsoft Office 365 Connect and collaborate virtually anywhere, anytime', Microsoft Press, ISBN: 978-0-7356-5694-9
2. EXCEL 2021 The Comprehensive Beginners to Advanced Users Guide to Master Microsoft Excel 2021. Learn the Essential Functions, New Features, Formulas, Tips and Tricks, and Many More
3. <https://drawio-app.com/tutorials/video-tutorials/>
Learning Web Design: A Beginner's Guide to HTML, CSS, JavaScript, and Web Graphics Fourth Edition ISBN-13: 978-1449319274

References

1. <https://www.coursera.org/learn/introduction-to-computers-and-office-productivity-software>
2. <https://www.coursera.org/projects/analyze-data-pivot-tables-crosstabs-google-sheets>
3. <https://www.coursera.org/learn/excel-advanced#syllabus>
4. <https://www.coursera.org/learn/how-to-create-a-website>
5. <https://support.microsoft.com/en-us/office>
6. <https://www.diagrams.net/>
7. <https://edu.google.com/>

Course Outcomes:

1. Create / alter documents / Technical Paper / Project report with text, pictures, graphs of different styles.
2. Create / modify power point presentations with text, multimedia and to add animation using / creating templates.
3. Perform basic calculations / retrieve data / create pivot tables / chart using a spreadsheet application.
4. Create simple diagrams / charts using online tools like: www.draw.io .
5. Manage documents, presentations, spreadsheets and websites in collaborative mode.

Co-Po Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1					2				1	1	
CO2					2				1	1	
CO3	2	1	1		2				1	1	
CO4					2				1	1	
CO5					2				3	3	

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :06-09-2021

ACADEMIC COUNCIL:17-09-201

SDG No. & Statement:4

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG Justification:

Emotional Intelligence and reasoning skills are essential for achieving inclusive and equitable education and lifelong learning opportunities for oneself and others.

CLAD1001	EMOTIONAL INTELLIGENCE & REASONING SKILLS (SOFT SKILLS 1)	L	T	P	S	J	C
		0	0	2	0	0	1
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

Emotional intelligence is a set of skills that are thought to contribute to the appraisal of emotions in oneself and others. It can also help contribute to the effective regulation of emotions as well as feelings (Salovey & Mayer, 1990). In terms of emotional intelligence, self-awareness and self-management have to do with our ability to relate to ourselves. Social awareness and relationship management have to do with our ability to relate to others. Similarly, the ability to solve questions on Analytical Reasoning and Data Sufficiency is a critical area tested in almost all competitive examinations and admission tests. Upon completion, students should be able (1) to deal with their own emotions as well as the emotions of others and relate better with both. Using better knowledge of EI, students will also be able to set more meaningful goals for themselves, choose suitable time management techniques that work best for them and work in teams more effectively. (2) to apply different concepts, ideas, and methods to solve questions in reasoning and data sufficiency

Course Educational Objectives:

- Use EI to relate more effectively to themselves, their colleagues and to others. Apply self-awareness and self-assessment (SWOT) to better understand and manage their own emotions. Apply social awareness to empathize with others and build stronger relationships with others.
- Set meaningful goals based on their strengths and weaknesses and apply time management techniques, such as Q4 organizing to put first things first.
- Manage conflicts and work in teams in an emotionally intelligent manner.
- Solve questions on non-verbal and analytical reasoning, data sufficiency and puzzles

List of Activities & Tasks for Assessment:

Unit	Topics	Hours
1	Self-Awareness & Self-Regulation: Introduction to Emotional Intelligence, <i>Self-Awareness: Self-Motivation, Accurate Self-Assessment (SWOT Analysis), Self-Regulation: Self Control, Trustworthiness & Adaptability</i>	3

2	Importance, Practising Social Awareness, Building Relationships, Healthy and Unhealthy Relationships, Relationship Management Competencies- Influence, Empathy, Communication, Types of Conflicts, Causes, Conflict Management	3
3	Social Media: Creating a blog, use of messaging applications, creating a website to showcase individual talent, creation of a LinkedIn Profile	2
4	Goal Setting & Time Management: Setting SMART Goals, Time Wasters, Prioritization, Urgent Vs Important, Q2 Organization	3
5	Teamwork: Team Spirit, Difference Between Effective and Ineffective Teams, Characteristics of High Performance Teams, Team Bonding, Persuasion, Team Culture, Building Trust, Emotional Bank Account	4
6	Verbal Reasoning: Introduction, Coding-decoding, Blood relations, Ranking Directions, Group Reasoning	6
7	Analytical Reasoning: Cubes and Dices, Counting of Geometrical figures	3
8	Logical Deduction: Venn diagrams, Syllogisms, Data Sufficiency, Binary logic	4
9	Spatial Reasoning: Shapes, Paper Cutting/Folding, Mirror images, Water images and Rotation of figures	2

References:

1. Verbal Ability & Reading Comprehension by Arun Sharma and Meenakshi Upadhyay
2. Study material for CAT, SAT, GRE, GMAT by TIME, Career Launcher and IMS etc.
3. Quantitative Aptitude by R S Agarwal S Chand Publications
4. Quantitative Aptitude by Pearson Publications

Course Outcomes:

1. Students will be able to relate more effectively to themselves, their colleagues and to others
2. Students will be able to set their short term and long term goals and better manage their time
3. Students will be able to manage conflicts in an emotionally intelligent manner and work in teams effectively
4. Students will be able to solve questions based on non-verbal and analytical reasoning, data sufficiency and puzzle

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1		3	3				3				
CO2		3	3				3				
CO3		3	3				3				
CO4	3						3				
CO5											

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :17-09-2021

ACADEMIC COUNCIL:17-09-201

SDG No. & Statement:4

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG Justification:

Emotional Intelligence and reasoning skills are essential for achieving inclusive and equitable education and lifelong learning opportunities for oneself and others.

CLAD1011	LEADERSHIP SKILLS & QUANTITATIVE APTITUDE (SOFT SKILLS 2)	L	T	P	S	J	C
		0	0	2	0	0	1
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

Communication Skills is having the ability to convey information to others so that messages are understood, and outcomes delivered. Some essential qualities of Communication Skills include understanding the needs of others, clearly communicating messages, adapting the communication style, and using a range of communication methods. Presentation Skills is having the ability to confidently deliver an engaging message to a group of people which achieves the objectives. Some essential qualities of Presentation Skills include a thorough preparation of content, structuring content logically, managing nerves, engaging your audience, delivering presentation objectives, positively influencing the audience, and responding to audience needs. Tackling questions based on numbers, arithmetic, data interpretation and puzzles requires the application of different rules and concepts of numerical computation, numerical estimation, and data estimation.

Course Educational Objectives:

- Learn and apply, through different individual and group activities, different ideas, and skills to communicate in a positive and impressive manner.
- Apply the goal setting process (based on SWOT) and Q2 organizing for effective time management.
- Apply different concepts in numbers, numerical computation, and numerical estimation to solve questions that often appear in various competitive examinations and admission tests.
- Apply different concepts for tackling questions based on data interpretation, progression and series that are frequently given in various competitive examinations and admission tests.

List of Activities & Tasks for Assessment:

Unit	Topics	Hours
1	Communication Skills: The Communication Process, Elements of Interpersonal Communication, Non-Verbal Communication: Body Language, Posture, Eye Contact, Smile, Tone of Voice, Barriers to	5

	Communication. Effective Listening Skills: Active Listening, Passive Listening, Asking Questions, Empathizing, Being Non-Judgmental, Being Open Minded, Mass Communication: Design of Posters, Advertisements, notices, writing formal and informal invitations	
2	Focus on Audience Needs, focus on the Core Message, Use Body Language and Voice, Start Strongly, Organizing Ideas & Using Visual Aids: SPAM Model, Effective Opening and Closing Techniques, Guy Kawasaki's Rule (10-20-30 Rule), Overcoming Stage Fear, Story Telling	3
3	Problem Solving & Decision Making: Difference Between the Two, Steps in Rational Approach to Problem Solving: Defining the Problem, Identifying the Root Causes, Generating Alternative Solutions, Evaluating and Selecting Solutions, Implementing and Following-Up, Case Studies	3
4	Group Discussion: Understanding GD, Evaluation Criteria, Nine Essential Qualities for Success, Positive and Negative Roles, Mind Mapping, structuring a Response, Methods of Generating Fresh Ideas	4
5	Number Theory: Number System, Divisibility rules, Remainders and LCM & HCF	3
6	Numerical Computation and Estimation - I: Chain Rule, Ratio Proportions, Partnerships & Averages, Percentages, Profit-Loss & Discounts, Mixtures, Problem on Numbers & ages	6
7	Data Interpretation: Interpretation and analysis of data in Tables, Caselets, Line-graphs, Pie-graphs, Boxplots, Scatterplots and Data Sufficiency	3
8	Mental Ability: Series (Number, Letter and Alphanumeric), Analogy (Number, Letter and Alphanumeric) and Classifications	3

References:

1. Verbal Ability & Reading Comprehension by Arun Sharma and Meenakshi Upadhyay
2. Study material for CAT, SAT, GRE, GMAT by TIME, Career Launcher and IMS etc.
3. Quantitative Aptitude by R S Agarwal S Chand Publications
4. Quantitative Aptitude by Pearson Publications

Course Outcomes:

1. Students will be able to communicate 'one-on-one' and 'one-on-many' confidently using both verbal and non-verbal messages and deliver impressive talks/

presentations to a group both with and without the use of PPTs and create posters, advertisements, etc.

2. Students will be able to apply the rational model of problem solving and decision making in their problem solving and decision-making efforts.
3. Students will be able to solve questions based on numbers and arithmetic given in various competitive examinations
4. Students will be able to solve questions based on data interpretation, progressions, and series.

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1		3	3				3				
CO2		3	3				3				
CO3	3						2				
CO4	3						2				
CO5											

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :17-09-2021

ACADEMIC COUNCIL:17-09-2021

SDG No. & Statement:4

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG Justification:

Leadership and quantitative aptitude skills are essential skills for achieving inclusive and equitable education and lifelong learning opportunities for oneself and others.

CLAD1021	VERBAL ABILITY & QUANTITATIVE ABILITY (SOFT SKILLS 3)	L	T	P	S	J	C
		0	0	2	0	0	1
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

Vocabulary is an important part of verbal ability. An understanding of word formation, prefixes, suffixes, and roots is necessary to remember and use a vast repository of words. Approaching words through word families and other ways of groupings is an effective way of gaining mastery over vocabulary. Understanding and getting acquainted with the different rules and exceptions in the use of grammar and structure, especially from the relevant examination point of view, is crucial to cracking questions given in many competitive tests. Similarly, improving reading comprehension skills and test taking abilities in this area takes time and effort, especially given the fact that most students do not possess strong reading habits. In so far as quantitative aptitude is concerned, students need to develop a strong foundation on the basic mathematical concepts of numerical estimation, geometry, mensuration, data sufficiency, etc. to be able to crack different round 1 tests of major recruiters and admission tests of top Indian and foreign universities.

Course Educational Objectives:

- List and discuss the different word formation methods, word denotation, connotation, collocation, etc. and introduce selected high frequency words, their antonyms, synonyms, etc.
- Apply different advanced reading skills to solve questions based on author's tone, main ideas and sub-ideas, inferences, Para jumbles, etc. that are frequently asked in various competitive exams and admission tests.
- Solve different types of questions based on vocabulary, such as word analogy; structure, grammar, and verbal reasoning; introduce common errors and their detection and correction.
- Solve questions on numerical estimation, mensuration, data sufficiency based on quantitative aptitude. This includes questions on time and work, time and distance, pipes and cisterns, lines and angles, triangles, quadrilaterals, polygons and circles, 2- & 3-dimensional mensuration.

List of Activities & Tasks for Assessment:

1. **Vocabulary Builder:** Understanding Word Formation, Prefixes, Suffixes and Roots, Etymology, Word Denotation, Connotation and Collocation, Synonyms and Antonyms
2. **Reading Comprehension:** Advanced Reading Comprehension: Types of RC passages, Types of Text Structures, Types of RC Questions: Distinguishing Between Major Ideas and Sub Ideas, Identifying the Tone and Purpose of the Author, Reading Between the Lines and Beyond the Lines, Techniques for Answering Different Types of Questions
3. **Para Jumbles:** Coherence and Cohesion, Idea Organization Styles, Concept of Mandatory Pairs and Its Application: Transitional Words, Antecedent-Pronoun Reference, Article Reference, Cause and Effect, Chronological Order, General to Specific, Specific to General, Idea-Example, Idea-Explanation, Etc.
4. **Grammar Usage:** Rules Governing the Usage of Nouns, Pronouns, Adjectives, Adverbs, Conjunctions, Prepositions and Articles
5. **Numerical Computation and Estimation - II:** Time and Work, Pipes and Cisterns, Time and Distance, Problems on Trains, Boats and Streams, Races and Games of Skill, Simple Interest & Compound Interest
6. **Geometry:** Lines and Angles, Triangles, Quadrilaterals & Polygons, and Circles
7. **Mensuration:** 2-Dimensional Mensuration (Triangles, Quadrilaterals and Circles), 3-Dimensional Mensuration (Cubes, Cuboids, Cylinder, Cone, Sphere)

References:

1. Verbal Ability & Reading Comprehension by Arun Sharma and Meenakshi Upadhyay
2. Study material for CAT, SAT, GRE, GMAT by TIME, Career Launcher and IMS etc.
3. Quantitative Aptitude by R S Agarwal S Chand Publications
4. Quantitative Aptitude by Pearson Publications

Course Outcomes:

1. List and discuss word formation methods, selected high frequency words, their antonyms, synonyms, etc.
2. Analyze reading passages and quickly find out the correct responses to questions asked, including para jumbles, by using reading skills like skimming, scanning, reading between the lines, etc.
3. Solve different types of questions based on vocabulary, structure, grammar and verbal reasoning
4. Solve questions on numerical estimation, mensuration, data sufficiency based on quantitative aptitude

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1		2					2				
CO2		2					2				
CO3	3						2				
CO4	3						2				
CO5											

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :17-09-2021

ACADEMIC COUNCIL:17-09-2021

SDG No. & Statement:4

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG Justification:

English language and quantitative aptitude skills are essential skills for achieving inclusive and equitable education and lifelong learning opportunities for oneself and others.

CLAD1031	PRACTICING VERBAL ABILITY & QUANTITATIVE APTITUDE (SOFT SKILLS 4)	L	T	P	S	J	C
		0	0	2	0	0	1
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

A sound knowledge of the rules of English grammar, structure and style and its application in detecting errors in writing are important areas of Verbal Ability frequently tested as a part of the written test in many competitive examinations and admission tests of major recruiters and universities respectively. This module focuses on all important areas of grammar and structure commonly asked in major tests, such as GMAT, CAT, XLRI, CRT, etc. Similarly, in the area of Quantitative Aptitude, different kinds of questions are asked from Combinatorics (Permutations & Combinations, Probability], Cryptarithmic & Modular Arithmetic (Cryptarithmic, Application of base system (7, 24), Clocks (Base 24), Calendars (Base 7), and Mental Ability (Number series, Letter series & Alpha numeric series, Analogies (Numbers, letters), Classifications, Algebra (Exponents, Logarithms, Problems related to Equations, Special Equations, and Statistics) . This module focuses on all these areas by building on what the students already learnt in their earlier studies.

Course Educational Objectives:

- Apply the rules of grammar to solve questions in Error Detection, Sentence Correction and Sentence Improvement.
- Apply the rules of structure to solve questions in Error Detection, Sentence Correction and Sentence Improvement, Fill-in-blanks and Cloze Passages.
- Explain methods of solving problems in Combinatorics (Permutations & Combinations, Probability], Cryptarithmic & Modular Arithmetic (Cryptarithmic, Application of basesystem (7, 24), Clocks (Base 24), Calendars (Base 7))
- Explain how to solve questions in Mental Ability (Number series, Letter series & Alpha numeric series, Analogies, Numbers, letters, Classifications] and Algebra (Exponents, Logarithms, Problems related to Equations, Special Equations, Statistics)

List of Activities & Tasks for Assessment:

1. Error Detection: Pronouns, Conjunctions, Prepositions and Articles
2. Error Detection: Tenses and their Uses
3. Sentence Correction: Subject-Verb Agreement, Antecedent-Pronoun Agreement, Conditional Clauses

4. Sentence Correction: Modifiers (Misplaced and Dangling) & Determiners, Parallelism & WordOrder, and Degrees of Comparison
5. Combinatorics: Permutations & Combinations, Probability
6. Crypt arithmetic & Modular Arithmetic: Crypt arithmetic, Application of Base System (7, 24),Clocks (Base 24), Calendars (Base 7)
7. Algebra: Exponents, Logarithms, Word-problems related to equations, Special Equations,Progressions, Statistics

References:

1. Verbal Ability & Reading Comprehension by Arun Sharma and Meenakshi Upadhyay
2. Study material for CAT, SAT, GRE, GMAT by TIME, Career Launcher and IMS etc.
3. Quantitative Aptitude by R S Agarwal S Chand Publications
4. Quantitative Aptitude by Pearson Publications

Course Outcomes:

1. Identify and correct errors in English grammar and sentence construction
2. Identify and correct errors in Structure, Style and Composition
3. Solve problems in Combinatorics, Cryptarithmic, and Modular Arithmetic
4. Solve problems in Mental Ability and Algebra

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1							3				
CO2							3				
CO3	3						3				
CO4	3						3				
CO5											

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :17-09-2021

ACADEMIC COUNCIL:17-09-2021

SDG No. & Statement:4

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG Justification:

English language and quantitative aptitude skills are essential skills for achieving inclusive and equitable education and lifelong learning opportunities for oneself and others.

CLAD2001	PREPARATION FOR CAMPUS PLACEMENT -1 (SOFT SKILLS 5A)	L	T	P	S	J	C
		0	0	2	0	0	1
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

The course addresses all relevant areas related to campus placements and readies them to ace their upcoming/ ongoing recruitment drives. Specifically, it focuses on students' career preparedness, interview skills, test preparedness, etc.

Course Educational Objectives:

Prepare the students for their upcoming/ ongoing campus recruitment drives.

List of Activities & Tasks for Assessment:

1. Career Preparedness: Resume & Cover Letter Writing, Interview Skills: Elevator Pitch, Making the First Impression, Being Other-Oriented, Being Positive and Curious, communicating with Confidence and Poise, Frequently Asked Questions & How to Answer Them, Pitfalls to Avoid, Etc. Etiquette: Hygiene, Courtesy, Culture differences, Workplace, use of cell phone, Profanity, Slang, Protocol.
2. Verbal Ability: Practicing Reading Comprehension, Error Detection, Sentence Completion, MCQs, FIBs, Para jumbles, Cloze Test, Critical Reasoning.
3. Quantitative Aptitude: Number Systems, Algebra, Geometry, Data Handling, Data Sufficiency, Word Problems
4. Reasoning: Logical and Verbal Reasoning

References:

1. Verbal Ability & Reading Comprehension by Arun Sharma and MeenakshiUpadhyay
2. Study material for CAT, SAT, GRE, GMAT by TIME, CareerLauncher and IMSetc.
3. Quantitative Aptitude by R S Agarwal S Chand Publications
4. Quantitative Aptitude by Pearson Publications

Course Outcomes:

1. Write a power resume and covering letter
2. Answer interview questions with confidence and poise
3. Exhibit appropriate social mannerisms in interviews
4. Solve placement test questions on verbal ability, quantitative aptitude and reasoning

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1		1					3				
CO2		3					3				
CO3	3						3				
CO4	3						3				
CO5											

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :17-09-2021

ACADEMIC COUNCIL:17-09-2021

SDG No. & Statement:4

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG Justification:

Quantitative aptitude, reasoning, verbal and language skills practiced during the preparation for campus placement tests provide essential skills for achieving inclusive and equitable education and lifelong learning opportunities for oneself and others.

CLAD2011	PREPARATION FOR HIGHER EDUCATION (GRE/ GMAT)-1 (SOFT SKILLS 5B)	L	T	P	S	J	C
		0	0	2	0	0	1
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

The course offers a special track for students who aspire to go abroad in pursuit of their higher education for which a GRE/ GMAT score is a prerequisite. It covers all four topical areas of these tests and includes fully solved mock tests as well.

Course Educational Objectives:

- Prepare the students to solve questions from all four broad areas of GRE/ GMAT
- Orient the students for GRE/ GMAT through mock tests

List of Activities & Tasks for Assessment:

1. Verbal Reasoning: Reading Comprehension, Sentence Equivalence, TextCompletion, Sentence Correction, Critical Reasoning
2. Quantitative Reasoning: Arithmetic, Algebra, Geometry, Data Analysis
3. Analytical Writing Assessment: Issue/ Argument
4. Integrated Reasoning

References:

1. Verbal Ability & Reading Comprehension by Arun Sharma and MeenakshiUpadhyay
2. Study material for CAT, SAT, GRE, GMAT by TIME, CareerLauncher and IMSetc.
3. Quantitative Aptitude by R S Agarwal S Chand Publications
4. Quantitative Aptitude by Pearson Publications

Course Outcomes:

1. Solve questions from all four broad areas of GRE/ GMAT
2. Practice answering several mock tests

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3			2			3				
CO2	3			2			3				
CO3											
CO4											
CO5											

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :17-09-2021

ACADEMIC COUNCIL:17-09-2021

SDG No. & Statement:4

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG Justification:

Quantitative aptitude, reasoning, verbal and language skills practiced during the preparation for GRE/GMAT tests provide essential skills for achieving inclusive and equitable education and lifelong learning opportunities for oneself and others.

CLAD2021	PREPARATION FOR CAT/ MAT – 1 (SOFT SKILLS 5C)	L	T	P	S	J	C
		0	0	2	0	0	1
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

The course offers a special track for UG students who aspire to go for higher education in business management in India for which cracking CAT/ MAT/ other related test is mandatory. It covers all four topical areas of these tests and includes fully solved mock tests as well.

Course Educational Objectives:

- Prepare the students to solve questions from all four relevant areas of CAT/ XAT/MAT, etc.
- Orient the students for CAT/ XAT, etc. through mock tests

List of Activities & Tasks for Assessment:

1. Quantitative Ability: Arithmetic, Algebra, Geometry, Mensuration, Calculus, Trigonometry
2. Data Interpretation: Data Interpretation and Data Sufficiency
3. Logical Reasoning: Data Management, Deductions, Verbal Reasoning and Non-Verbal Reasoning
4. Verbal Ability: Critical Reasoning, Sentence Correction, Para Completion, Para Jumbles, Reading Comprehension

References:

1. Verbal Ability & Reading Comprehension by Arun Sharma and Meenakshi Upadhyay
2. Study material for CAT, SAT, GRE, GMAT by TIME, Career Launcher and IMS etc.
3. Quantitative Aptitude by R S Agarwal S Chand Publications
4. Quantitative Aptitude by Pearson Publications

Course Outcomes:

1. Solve questions from all four relevant areas of CAT/ MAT as listed above
2. Practice test-cracking techniques through relevant mock tests

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3			2			3				
CO2	3			2			3				
CO3											
CO4											
CO5											

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :17-09-2021

ACADEMIC COUNCIL:17-09-2021

SDG No. & Statement:4

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG Justification:

Quantitative aptitude, reasoning, verbal and language skills practiced during the preparation for CAT/ MAT tests provide essential skills for achieving inclusive and equitable education and lifelong learning opportunities for oneself and others.

CLAD2031	PREPARATION FOR CAMPUS PLACEMENT-2 (SOFT SKILLS 6A)	L	T	P	S	J	C
		0	0	2	0	0	1
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course builds on the previous course and focuses on all four major areas of campus placements, including career preparedness, mock interviews, verbal ability, quantitative aptitude, and logical reasoning.

Course Educational Objectives:

- To comprehensively prepare all eligible and aspiring students for landing their dream jobs.
- To sharpen the test-taking skills in all four major areas of all campus drives

List of Activities & Tasks for Assessment:

1. Career Preparedness II: Mock Interviews, Feedback and Placement Readiness
2. Verbal Ability II: Practising Reading Comprehension, Error Detection, Sentence Completion, MCQs, FIBs, Para jumbles, Cloze Test, Critical Reasoning
3. Quantitative Aptitude II: Number Systems, Algebra, Geometry, Data Handling, Data Sufficiency, Word Problems
4. Reasoning II: Logical and Verbal Reasoning

References:

1. Verbal Ability & Reading Comprehension by Arun Sharma and Meenakshi Upadhyay
2. Study material for CAT, SAT, GRE, GMAT by TIME, CareerLauncher and IMSetc.
3. Quantitative Aptitude by R S Agarwal S Chand Publications
4. Quantitative Aptitude by Pearson Publications

Course Outcomes:

1. Demonstrate career preparedness and confidence in tackling campus interviews
2. Solve placement test questions of a higher difficulty level in verbal ability, quantitative aptitude and logical reasoning.
3. Practice test-taking skills by solving relevant questions accurately and within time.

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1		3	3				3				
CO2							3				
CO3							3				
CO4											
CO5											

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :17-09-2021

ACADEMIC COUNCIL:17-09-2021

SDG No. & Statement:4

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG Justification:

Quantitative aptitude, reasoning, verbal and language skills practiced during the preparation for campus placement tests provide essential skills for achieving inclusive and equitable education and lifelong learning opportunities for oneself and others.

CLAD2041	PREPARATION FOR HIGHER EDUCATION (GRE/GMAT)-2 (SOFT SKILLS 6B)	L	T	P	S	J	C
		0	0	2	0	0	1
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

The course offers a special track for students who aspire to go abroad in pursuit of their higher education for which a GRE/ GMAT score is a prerequisite. It covers all four topical areas of these tests at a higher difficulty-level and includes fully solved mock tests as well.

Course Educational Objectives:

- Prepare the students to solve higher level questions from all four broad areas of GRE/ GMAT
- Orient the students for GRE/ GMAT through mock tests

List of Activities & Tasks for Assessment:

1. Verbal Reasoning II: Reading Comprehension, Sentence Equivalence, Text Completion, Sentence Correction, Critical Reasoning
2. Quantitative Reasoning II: Arithmetic, Algebra, Geometry, Data Analysis
3. Analytical Writing Assessment II: Issue/ Argument
4. Integrated Reasoning II

References:

1. Verbal Ability & Reading Comprehension by Arun Sharma and Meenakshi Upadhyay
2. Study material for CAT, SAT, GRE, GMAT by TIME, CareerLauncher and IMS etc.
3. Quantitative Aptitude by R S Agarwal S Chand Publications
4. Quantitative Aptitude by Pearson Publications

Course Outcomes:

1. Solve higher level questions from all four broad areas of GRE/ GMAT
2. Practice answering several mock tests

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	2						3				
CO2	2						3				
CO3											
CO4											
CO5											

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :17-09-2021

ACADEMIC COUNCIL:17-09-2021

SDG No. & Statement:4

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG Justification:

Quantitative aptitude, reasoning, verbal and language skills practiced during the preparation for GRE/GMAT tests provide essential skills for achieving inclusive and equitable education and lifelong learning opportunities for oneself and others.

CLAD2051	PREPARATION FOR CAT/ MAT – 2 (SOFT SKILLS 6C)	L	T	P	S	J	C
		0	0	2	0	0	1
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

The course offers a special track for UG students who aspire to go for higher education in business management in India for which cracking CAT/ MAT/ other related test is mandatory. It covers all four topical areas of these tests at a higher level of difficulty and includes fully solved mock tests as well.

Course Educational Objectives:

- Prepare the students to solve all types of questions from all four relevant areas of CAT/ XAT/ MAT, etc.

List of Activities & Tasks for Assessment:

1. Quantitative Ability II: Arithmetic, Algebra, Geometry, Mensuration, Calculus, Trigonometry
2. Data Interpretation II: Data Interpretation and Data Sufficiency
3. Logical Reasoning II: Data Management, Deductions, Verbal Reasoning and Non-Verbal Reasoning
4. Verbal Ability II: Critical Reasoning, Sentence Correction, Para Completion, Para Jumbles, Reading Comprehension

References:

1. Verbal Ability & Reading Comprehension by Arun Sharma and MeenakshiUpadhyay
2. Study material for CAT, SAT, GRE, GMAT by TIME, CareerLauncher and IMSetc.
3. Quantitative Aptitude by R S Agarwal S Chand Publications
4. Quantitative Aptitude by Pearson Publications

Course Outcomes:

1. Solve higher difficulty level questions from all four relevant areas of CAT/ MAT as listed above
2. Practice test-cracking techniques through relevant mock tests

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	2			2			3				
CO2	2			2			3				
CO3											
CO4											
CO5											

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :17-09-2021

ACADEMIC COUNCIL:17-09-2021

SDG No. & Statement:4

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG Justification:

Quantitative aptitude, reasoning, verbal and language skills practiced during the preparation for CAT/ MAT tests provide essential skills for achieving inclusive and equitable education and lifelong learning opportunities for oneself and others.

DOSL1001	CLUB ACTIVITY – PARTICIPANT	L	T	P	S	J	C
		0	0	0	2	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course recognizes student participation in multiple activities organized by various student organizations that pursue specific co-curricular and extra-curricular interests. These activities allow students to engage in and identify and pursue their personal interests and hobbies.

Course Educational Objectives:

- Create opportunities for students to participate in a variety of non-academic experiences
- Interact with and learn from peers in a setting without an external performance pressure
- Allow exploration of interesting activities and reflection about these experiences
- Learn to manage time effectively

List of Student Club Activities:

1. Music (vocals, instruments, technical, recording, mixing, production, management)
2. Dance (Indian classical, western, jazz, latin, contemporary, folk, production, event management)
3. Theatre (classical, experimental, one-act, street, production, direction, casting, etc.)
4. Arts (fine arts, painting, calligraphy, sketching, caricaturing, etc)
5. Craft (origami, model making, sculpture, pottery, etc)
6. Cooking (home-style, baking, confectionery, Indian, intercontinental, etc.)
7. Graffiti (street, mural, collage, multi media, etc)
8. Workshops, quizzes, debates, elocution, etc
9. Filmmaking (adventure, drama, film appreciation, documentary, etc)
10. Photography (conventional, immersive (360), landscape, portrait, technical, editing, etc.)
11. College Fests
12. Designing (graphic design, landscape, interior, etc)
13. Competitive coding
14. Recreational sports activities
15. Other club activities organized by student clubs

List of Activities:

1. Participation in various club-based activities
2. Weekly reflection paper
3. Portfolio (on social media using an Instagram account)
4. Two learning papers (one per semester)

Textbooks:

1. Small move: big Change (Caroline Arnold)
2. How to Win at College: Surprising Secrets for Success from the Country's Top Students (Cal Newport)

References:

1. Making the most of college: Students speak their minds (author - Richard Light)
2. Failing Forward: Turning Mistakes into Stepping Stones for Success (John C Maxwell)
3. The Last Lecture (Randy Pausch)
4. Lean in (Sheryl Sandberg)
5. YouTube- Introduction to various club activities

Course Outcomes:

Upon successful completion of the course, student will be able to

1. Identify personal interest areas
2. Learn from diverse perspectives and experiences
3. Gain exposure to various activities and opportunities for extra-curricular activities
4. Learn to manage time effectively
5. gain confidence

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	2		2				
CO2	3		3		2		2				
CO3		3	2		3	2					
CO4		3	3		2		3				
CO5	3		3		2		3				

Note: 1 - Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:

SDG 4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG Justification:

This course recognizes student participation in non-academic events and activities which focus on inclusive partnerships and collaborations with all stakeholders by using all sustainable means to promote lifelong learning.

DOSL1011	CLUB ACTIVITY – MEMBER OF THE CLUB	L	T	P	S	J	C
		0	0	0	2	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course encourages and acknowledges student members' work in organizing events and activities organized by various student organizations that pursue specific co-curricular and extra-curricular interests. These activities allow students to actively learn from the process of conceptualizing and organizing such activities as part of a team.

Course Educational Objectives:

- Create opportunities for students to learn from organizing club activities
- Learn teamwork, leadership, planning and management of events and activities
- Learn to appreciate multiple perspectives, cultures, and individual capabilities
- Learn to manage time effectively

List of Student Club Activities:

1. Music (vocals, instruments, technical, recording, mixing, production, management)
2. Dance (Indian classical, western, jazz, latin, contemporary, folk, production, event management)
3. Theatre (classical, experimental, one-act, street, production, direction, casting, etc.)
4. Arts (fine arts, painting, calligraphy, sketching, caricaturing, etc)
5. Craft (origami, model making, sculpture, pottery, etc)
6. Cooking (home-style, baking, confectionery, Indian, intercontinental, etc.)
7. Graffiti (street, mural, collage, multi media, etc)
8. Workshops, quizzes, debates, elocution, etc
9. Filmmaking (adventure, drama, film appreciation, documentary, etc)
10. Photography (conventional, immersive (360), landscape, portrait, technical, editing, etc.)
11. College Fests
12. Designing (graphic design, landscape, interior, etc)
13. Competitive coding
14. Recreational sports activities
15. Other club activities organized by student clubs

List of Activities:

1. Be a member of a club and organize activities in that particular interest area
2. Learn from diverse perspectives and experiences
3. Learn to design and execute extra-curricular activities
4. Develop management skills through hands on experience
5. Explore different managerial roles and develop competencies

Textbooks:

1. Small move: big Change (Caroline Arnold)
2. How to Win at College: Surprising Secrets for Success from the Country's Top Students (Cal Newport)

References:

1. Making the most of college: Students speak their minds (author - Richard Light)
2. Failing Forward: Turning Mistakes into Stepping Stones for Success (John C Maxwell)
3. The Last Lecture (Randy Pausch)
4. Lean in (Sheryl Sandberg)
5. Youtube- Introduction to various club activities

Course Outcomes:

Upon successful completion of the course, student will be able to

- Be a member of a club and organize activities in that particular interest area
- Learn from diverse perspectives and experiences
- Learn to design and execute extra-curricular activities
- Develop management skills through hands on experience
- Explore different managerial roles and develop competencies

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	2		2				
CO2	3		3		2		2				
CO3		3	2		3	2					
CO4		3	3		2		3				
CO5	3		3		2		3				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:

SDG 16: Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels

SDG17 : Strengthen the means of implementation and revitalize the global partnership for sustainable development

SDG Justification:

This course recognizes student participation in community service endeavours focussing on sustainable development, service to communities. This allows students to develop empathy, citizenship behaviour and inclusive community values.

DOSL1021	CLUB ACTIVITY – LEADER OF THE CLUB	L	T	P	S	J	C
		0	0	0	2	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course encourages and recognizes student members' work in leading the student organization through various leadership roles. As leaders they work not just to organize events and activities in specific co-curricular and extra-curricular interests, but also lead the teams that form the core members of the clubs. These activities allow students to learn and practice leadership and management skills through real world experience.

Course Educational Objectives:

- Create opportunities for students to learn from organizing club activities
- Learn teamwork, leadership, planning and management of events and activities
- Learn to appreciate multiple perspectives, cultures, and individual capabilities
- Learn to manage time effectively

List of Student Club Activities:

1. Music (vocals, instruments, technical, recording, mixing, production, management)
2. Dance (Indian classical, western, jazz, latin, contemporary, folk, production, event management)
3. Theatre (classical, experimental, one-act, street, production, direction, casting, etc.)
4. Arts (fine arts, painting, calligraphy, sketching, caricaturing, etc)
5. Craft (origami, model making, sculpture, pottery, etc)
6. Cooking (home-style, baking, confectionery, Indian, intercontinental, etc.)
7. Graffiti (street, mural, collage, multimedia, etc)
8. Workshops, quizzes, debates, elocution, etc
9. Filmmaking (adventure, drama, film appreciation, documentary, etc)
10. Photography (conventional, immersive (360), landscape, portrait, technical, editing, etc.)
11. College Fests
12. Designing (graphic design, landscape, interior, etc)
13. Competitive coding
14. Recreational sports activities
15. Other club activities organized by student clubs

List of Activities:

1. Be the leader of the club and implement the charter, vision and mission of the club
2. Learn from diverse perspectives and experiences
3. Learn to lead the team, design and execute extra-curricular activities
4. Develop management skills through hands on experience
5. Explore different managerial roles and develop competencies

Textbooks:

1. Small move: big Change (Caroline Arnold)
2. How to Win at College: Surprising Secrets for Success from the Country's Top Students(Cal Newport)

References:

1. Making the most of college: Students speak their minds (author - Richard Light)
2. Failing Forward: Turning Mistakes into Stepping Stones for Success (John C Maxwell)
3. The Last Lecture (Randy Pausch)
4. Lean in (Sheryl Sandberg)
5. Youtube- Introduction to various club activities

Course Outcomes:

Upon successful completion of the course, student will be able to

- Be the leader of the club and implement the charter, vision and mission of the club
- Learn from diverse perspectives and experiences
- Learn to lead the team, design and execute extra-curricular activities
- Develop management skills through hands on experience
- Explore different managerial roles and develop competencies

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	2		2				
CO2	3		3		2		2				
CO3		3	2		3	2					
CO4		3	3		2		3				
CO5	3		3		2		3				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:

SDG 16: Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels

SDG17 : Strengthen the means of implementation and revitalize the global partnership for sustainable development

SDG Justification:

This course recognizes student participation in community service endeavours focussing on sustainable development, service to communities. This allows students to develop empathy, citizenship behaviour and inclusive community values.

DOSL1031	CLUB ACTIVITY – COMPETITOR	L	T	P	S	J	C
		0	0	0	2	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course encourages and recognizes student members' work in leading the student organization through various leadership roles. As leaders they work not just to organize events and activities in specific co-curricular and extra-curricular interests, but also lead the teams that form the core members of the clubs. These activities allow students to learn and practice leadership and management skills through real world experience.

Course Educational Objectives:

- Create opportunities for students to learn from organizing club activities
- Learn teamwork, leadership, planning and management of events and activities
- Learn to appreciate multiple perspectives, cultures, and individual capabilities
- Learn to manage time effectively

List of Student Club Activities:

1. Music (vocals, instruments, technical, recording, mixing, production, management)
2. Dance (Indian classical, western, jazz, latin, contemporary, folk, production, event management)
3. Theatre (classical, experimental, one-act, street, production, direction, casting, etc.)
4. Arts (fine arts, painting, calligraphy, sketching, caricaturing, etc)
5. Craft (origami, model making, sculpture, pottery, etc)
6. Cooking (home-style, baking, confectionery, Indian, intercontinental, etc.)
7. Graffiti (street, mural, collage, multimedia, etc)
8. Workshops, quizzes, debates, elocution, etc
9. Filmmaking (adventure, drama, film appreciation, documentary, etc)
10. Photography (conventional, immersive (360), landscape, portrait, technical, editing, etc.)
11. College Fests
12. Designing (graphic design, landscape, interior, etc)
13. Competitive coding
14. Recreational sports activities

15. Other club activities organized by student clubs

List of Activities:

1. Be the leader of the club and implement the charter, vision and mission of the club
2. Learn from diverse perspectives and experiences
3. Learn to lead the team, design and execute extra-curricular activities
4. Develop management skills through hands on experience
5. Explore different managerial roles and develop competencies

Textbooks:

1. Small move: big Change (Caroline Arnold)
2. How to Win at College: Surprising Secrets for Success from the Country's Top Students (Cal Newport)

References:

1. Making the most of college: Students speak their minds (author - Richard Light)
2. Failing Forward: Turning Mistakes into Stepping Stones for Success (John C Maxwell)
3. The Last Lecture (Randy Pausch)
4. Lean in (Sheryl Sandberg)
5. Youtube- Introduction to various club activities

Course Outcomes:

Upon successful completion of the course, student will be able to

1. Be the leader of the club and implement the charter, vision and mission of the club
2. Learn from diverse perspectives and experiences
3. Learn to lead the team, design and execute extra-curricular activities
4. Develop management skills through hands on experience
5. Explore different managerial roles and develop competencies

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	2		2				
CO2	3		3		2		2				
CO3		3	2		3	2					
CO4		3	3		2		3				
CO5	3		3		2		3				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:

SDG 16: Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels

SDG17 : Strengthen the means of implementation and revitalize the global partnership for sustainable development

SDG Justification:

This course recognizes student participation in community service endeavours focussing on sustainable development, service to communities. This allows students to develop empathy, citizenship behaviour and inclusive community values.

DOSL1041	COMMUNITY SERVICES - VOLUNTEER	L	T	P	S	J	C
		0	0	0	0	2	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course recognizes student participation in Community service activities organized by various student organizations and other Government and non-government organizations that exist for providing service to communities. These activities allow students to develop empathy, citizenship behaviour and community values.

Course Educational Objectives:

- To help students develop empathy and citizenship behavior
- Enable students to develop an altruistic attitude and community development sensibility
- Allow exploration of community service activities and reflect about these experiences
- Learn to work in small and large teams for achieving community objectives

List of Community Service Activities:

1. Community Health Services
2. Swachh Bharat Abhiyan and other Cleanliness drives
3. Tree Plantation and similar environmental conservation initiatives
4. Rain water harvesting awareness and implementation
5. Fundraising and visits to Orphanages, Old-age homes, etc.
6. Health and disease awareness programs
7. Working with NGOs
8. Disaster mitigation and management training and relief work
9. Rural Upliftment projects
10. Campus awareness and action projects (cleanliness, anti-ragging, blood donation, etc)
11. Community investigations and surveys for development research
12. Educational support for underprivileged (remedial classes, coaching, training, etc)
13. Service camps
14. Advocacy and information literacy initiatives
15. Other activities serving local communities

List of Activities:

1. Participation in various community service activities
2. Weekly reflection paper
3. Portfolio (on social media using an instagram account)
4. Two learning papers (one per semester)

Text Books:

1. Soul of a citizen: living with conviction in Challenging times (author: Paul Rogat Loeb)
2. Community Services intervention: Vera Lloyd

References:

1. A path appears: Transforming lives, creating opportunities (Nicholas Kristof and SherylWuDunn)
2. The story of My Experiments with Truth (author: M. K. Gandhi)

Course Outcomes:

1. Experience of volunteering in a variety of Community service activities
2. Gaining empathy for lesser privileged sections of society by experience
3. Understanding the process of generating community awareness
4. Understanding Disaster management and relief through training and experience
5. Developing environmental and sustainability awareness

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3					2				
CO2		3	3				2				
CO3				3	3	2	2				
CO4		3	3								
CO5	3		3				3				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:

SDG 16: Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels

SDG17 : Strengthen the means of implementation and revitalize the global partnership for sustainable development

SDG Justification:

This course recognizes student participation in community service endeavours focussing on sustainable development, service to communities. This allows students to develop empathy, citizenship behaviour and inclusive community values.

DOSL1051	COMMUNITY SERVICES - MOBILIZER	L	T	P	S	J	C
		0	0	0	0	2	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course recognizes student leadership in mobilizing community service activities as members of various student organizations or other Government and non-government organizations that exist for providing service to communities. These activities allow students to develop leadership, management skills, empathy, citizenship behavior and community values.

Course Educational Objectives:

- To help students understand leadership in a community environment
- Enable students to develop an altruistic attitude and community development sensibility
- Allow deep understanding of community service through practical experience
- Learn to lead small and large teams for achieving community objectives

List of Community Service Activities:

1. Community Health Services
2. Swachh Bharat Abhiyan and other Cleanliness drives
3. Tree Plantation and similar environmental conservation initiatives
4. Rain water harvesting awareness and implementation
5. Fundraising and visits to Orphanages, Old-age homes, etc.
6. Health and disease awareness programs
7. Working with NGOs
8. Disaster mitigation and management training and relief work
9. Rural Upliftment projects
10. Campus awareness and action projects (cleanliness, anti-ragging, blood donation, etc)
11. Community investigations and surveys for development research
12. Educational support for underprivileged (remedial classes, coaching, training, etc)
13. Service camps
14. Advocacy and information literacy initiatives
15. Other activities serving local communities

List of Activities:

1. Organizing and leading teams in various community service activities
2. Fortnightly reflection paper
3. Portfolio (on social media using an Instagram account)
4. Two learning papers (one per semester)

Textbooks:

1. Soul of a citizen: living with conviction in Challenging times (author: Paul Rogat Loeb)
2. Community Services intervention: Vera Lloyd

References:

1. A path appears: Transforming lives, creating opportunities (Nicholas Kristof and Sheryl WuDunn)
2. The story of My Experiments with Truth (author: M. K. Gandhi)
3. List of student run and other Government and non- government community service organizations

Course Outcomes:

1. Experience of mobilizing and executing Community service activities
2. Providing opportunities for community service volunteering for other fellow students
3. Understanding the process of mobilizing cash, kind and volunteer support
4. Building leadership and management skills
5. Building empathy and citizenship behavior

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3					2				
CO2		3	3				2				
CO3				3	3	2	2				
CO4		3	3								
CO5	3		3				3				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:

SDG 16: Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels

SDG17 : Strengthen the means of implementation and revitalize the global partnership for sustainable development

SDG Justification:

This course recognizes student participation in community service endeavours focussing on sustainable development, service to communities. This allows students to develop empathy, citizenship behaviour and inclusive community values.

DOSP1001	BADMINTON	L	T	P	S	J	C
		0	0	0	2	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course provides instruction and the opportunity for participation in sports and physical fitness activities. Skills, strategies, rules, and personal wellness goals are included as appropriate. This course will provide students with an understanding of the fundamental concepts of the physiological functions and training principles associated with the chosen sport.

Course Educational Objectives:

- Understand training principles used in the sport
- Demonstrate knowledge of the game in a recreational /competitive play setting
- Organize an event around the sport
- Demonstrate concepts of warm up, game conditioning, training plans

List of Activities:

1. Watch a sport documentary / training video / game history
2. On field coaching and demonstration session
3. Guided practice and play
4. Event management & game officiating
5. Friendly competitions and structured matches

Instructional Plan:

1. Introduction to Badminton - History and development
2. Rules of the Game, Play Area & dimensions
3. Fundamental Skills - Badminton: Grips - Racket, shuttle
4. Sports Specific fitness and warmup drills
5. Stances and footwork
6. Badminton Gameplay: Service, Forehand, Backhand
7. Preparatory Drills and Fun Games
8. Game Variations: Singles/ Doubles/ Mixed

References:

1. Handbook of the Badminton World Federation (BWF)

Course Outcomes:

1. Learn to play Badminton
2. Understanding of the fundamental concepts such as rules of play, game variations
3. Understanding of the governing structure and administration of the sport
4. Understand the event management of the sport
5. Apply sport concepts into an active physical lifestyle

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	2	2				3				
CO2							2				
CO3							2				
CO4		3	3		2		2				
CO5				3	2		3				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:4

Good Health and Well-being: Ensure healthy lives and promote well-being for all at all ages.

SDG Justification:

The nature of the course facilitates students to engage in various forms of fitness activities and sports-related movements that work on their overall health and wellness. The course focuses on inculcating active living as a lifestyle by making sports fun, engaging and meaningful.

OSP1011	CHESS	L	T	P	S	J	C
		0	0	0	2	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course provides instruction and the opportunity for participation in sports and physical fitness activities. Skills, strategies, rules, and personal wellness goals are included as appropriate. This course will provide students with an understanding of the fundamental concepts of the physiological functions and training principles associated with the chosen sport.

Course Educational Objectives:

- Understand training principles used in the sport
- Demonstrate knowledge of the game in a recreational /competitive play setting
- Organize an event around the sport
- Demonstrate concepts of warm up, game conditioning, training plans

List of Activities:

1. Watch a sport documentary / training video / game history
2. On field coaching and demonstration session
3. Guided practice and play
4. Event management & game officiating
5. Friendly competitions and structured matches

Instructional Plan:

1. Introduction to Chess - History and development
2. Rules of the Game, Play Area & dimensions
3. Fundamental Skills - Chess: Pieces & functions, basic play
4. Chess board moves & terminology
5. Chess Gameplay: Openings, castling, strategies & tactics
6. Preparatory Drills and Fun Games
7. Game Variations & Officiating

References:

1. International Chess Federation (FIDE) Handbook

Course Outcomes:

1. Learn to play Chess
2. Understanding of the fundamental concepts such as rules of play, game variations
3. Understanding of the governing structure and administration of the sport
4. Understand the event management of the sport
5. Apply sport concepts into an active physical lifestyle

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	2	2				3				
CO2							2				
CO3							2				
CO4		3	3		2		2				
CO5				3	2		3				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:4

Good Health and Well-being: Ensure healthy lives and promote well-being for all at all ages.

SDG Justification:

The nature of the course facilitates students to engage in various forms of fitness activities and sports-related movements that work on their overall health and wellness. The course focuses on inculcating active living as a lifestyle by making sports fun, engaging and meaningful.

DOSP1021	CARROM	L	T	P	S	J	C
		0	0	0	2	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course provides instruction and the opportunity for participation in sports and physical fitness activities. Skills, strategies, rules, and personal wellness goals are included as appropriate. This course will provide students with an understanding of the fundamental concepts of the physiological functions and training principles associated with the chosen sport.

Course Educational Objectives:

- Understand training principles used in the sport
- Demonstrate knowledge of the game in a recreational /competitive play setting
- Organize an event around the sport
- Demonstrate concepts of warm up, game conditioning, training plans

List of Activities:

1. Watch a sport documentary / training video / game history
2. On field coaching and demonstration session
3. Guided practice and play
4. Event management & game officiating
5. Friendly competitions and structured matches

Instructional Plan:

1. Introduction to Carrom - History and development
2. Rules of the Game, Board components & dimensions
3. Fundamental Skills - Carrom: - Striking
4. Gameplay – General
5. Preparatory Drills and Fun Games
6. Game Variations: Singles/ Doubles/ Mixed
7. Preparatory Drills and Fun Games

References:

1. Indian Carrom Federation Handbook - Laws

Course Outcomes:

1. Learn to play Carrom
2. Understanding of the fundamental concepts such as rules of play, game variations
3. Understanding of the governing structure and administration of the sport
4. Understand the event management of the sport
5. Apply sport concepts into an active physical lifestyle

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	2	2				3				
CO2							2				
CO3							2				
CO4		3	3		2		2				
CO5				3	2		3				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:4

Good Health and Well-being: Ensure healthy lives and promote well-being for all at all ages.

SDG Justification:

The nature of the course facilitates students to engage in various forms of fitness activities and sports-related movements that work on their overall health and wellness. The course focuses on inculcating active living as a lifestyle by making sports fun, engaging and meaningful.

DOSP1031	FOOTBALL	L	T	P	S	J	C
		0	0	0	2	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course provides instruction and the opportunity for participation in sports and physical fitness activities. Skills, strategies, rules, and personal wellness goals are included as appropriate. This course will provide students with an understanding of the fundamental concepts of the physiological functions and training principles associated with the chosen sport.

Course Educational Objectives:

- Understand training principles used in the sport
- Demonstrate knowledge of the game in a recreational /competitive play setting
- Organize an event around the sport
- Demonstrate concepts of warm up, game conditioning, training plans

List of Activities:

1. Watch a sport documentary / training video / game history
2. On field coaching and demonstration session
3. Guided practice and play
4. Event management & game officiating
5. Friendly competitions and structured matches

Instructional Plan:

1. Introduction to Football - History and development
2. Rules of the Game, Play Area & dimensions
3. Fundamental Skills - Kicking, heading, ball control, Keeping
4. Movement, throwins, tackling, defense, scoring, defense
5. Gameplay- Formations, passing, FKs, CKs, PK, tactics
6. Preparatory Drills and Fun Games
7. Game Variations: Small sided games, 7v7, 11v11

References:

1. FIFA Laws of the Game

Course Outcomes:

1. Learn to play Football
2. Understanding of the fundamental concepts such as rules of play, game variations
3. Understanding of the governing structure and administration of the sport
4. Understand the event management of the sport
5. Apply sport concepts into an active physical lifestyle

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	2	2				3				
CO2							2				
CO3							2				
CO4		3	3		2		2				
CO5				3	2		3				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:4

Good Health and Well-being: Ensure healthy lives and promote well-being for all at all ages.

SDG Justification:

The nature of the course facilitates students to engage in various forms of fitness activities and sports-related movements that work on their overall health and wellness. The course focuses on inculcating active living as a lifestyle by making sports fun, engaging and meaningful.

DOSP1041	VOLLEYBALL	L	T	P	S	J	C
		0	0	0	2	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course provides instruction and the opportunity for participation in sports and physical fitness activities. Skills, strategies, rules, and personal wellness goals are included as appropriate. This course will provide students with an understanding of the fundamental concepts of the physiological functions and training principles associated with the chosen sport.

Course Educational Objectives:

- Understand training principles used in the sport
- Demonstrate knowledge of the game in a recreational /competitive play setting
- Organize an event around the sport
- Demonstrate concepts of warm up, game conditioning, training plans

List of Activities:

1. Watch a sport documentary / training video / game history
2. On field coaching and demonstration session
3. Guided practice and play
4. Event management & game officiating
5. Friendly competitions and structured matches

Instructional Plan:

1. Introduction to Volley - History and development
2. Rules of the Game, Play Area & dimensions
3. Fundamental Skills - Striking, Ball control, Lifting
4. Sports Specific fitness and warmup drills
5. Stances and footwork
6. Preparatory Drills and Fun Games
7. Gameplay: Jumps, strikes, layoffs, attack, defense

References:

1. FIVB - Official Volleyball Rules

Course Outcomes:

1. Learn to play Volleyball
2. Understanding of the fundamental concepts such as rules of play, game variations
3. Understanding of the governing structure and administration of the sport
4. Understand the event management of the sport
5. Apply sport concepts into an active physical lifestyle

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	2	2				3				
CO2							2				
CO3							2				
CO4		3	3		2		2				
CO5				3	2		3				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:4

Good Health and Well-being: Ensure healthy lives and promote well-being for all at all ages.

SDG Justification:

The nature of the course facilitates students to engage in various forms of fitness activities and sports-related movements that work on their overall health and wellness. The course focuses on inculcating active living as a lifestyle by making sports fun, engaging and meaningful.

DOSP1051	KABADDI	L	T	P	S	J	C
		0	0	0	2	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course provides instruction and the opportunity for participation in sports and physical fitness activities. Skills, strategies, rules, and personal wellness goals are included as appropriate. This course will provide students with an understanding of the fundamental concepts of the physiological functions and training principles associated with the chosen sport.

Course Educational Objectives:

- Understand training principles used in the sport
- Demonstrate knowledge of the game in a recreational /competitive play setting
- Organize an event around the sport
- Demonstrate concepts of warm up, game conditioning, training plans

List of Activities:

1. Watch a sport documentary / training video / game history
2. On field coaching and demonstration session
3. Guided practice and play
4. Event management & game officiating
5. Friendly competitions and structured matches

Instructional Plan:

1. Introduction to Kabaddi - History and development
2. Rules of the Game, Play Area & dimensions
3. Fundamental Skills - Raiding, catching
4. Sports Specific fitness and warmup drills
5. Stances and footwork
6. Preparatory Drills and Fun Games
7. Gameplay: Chain system movement

References:

1. Amateur Kabaddi Federation of India (AKFI) - Official Rules
2. Rules of Kabaddi - International Kabaddi Federation

Course Outcomes:

1. Learn to play Kabaddi
2. Understanding of the fundamental concepts such as rules of play, game variations
3. Understanding of the governing structure and administration of the sport
4. Understand the event management of the sport
5. Apply sport concepts into an active physical lifestyle

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	2	2				3				
CO2							2				
CO3							2				
CO4		3	3		2		2				
CO5				3	2		3				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:4

Good Health and Well-being: Ensure healthy lives and promote well-being for all at all ages.

SDG Justification:

The nature of the course facilitates students to engage in various forms of fitness activities and sports-related movements that work on their overall health and wellness. The course focuses on inculcating active living as a lifestyle by making sports fun, engaging and meaningful.

DOSP1061	KHO KHO	L	T	P	S	J	C
		0	0	0	2	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course provides instruction and the opportunity for participation in sports and physical fitness activities. Skills, strategies, rules, and personal wellness goals are included as appropriate. This course will provide students with an understanding of the fundamental concepts of the physiological functions and training principles associated with the chosen sport.

Course Educational Objectives:

- Understand training principles used in the sport
- Demonstrate knowledge of the game in a recreational /competitive play setting
- Organize an event around the sport
- Demonstrate concepts of warm up, game conditioning, training plans

List of Activities:

1. Watch a sport documentary / training video / game history
2. On field coaching and demonstration session
3. Guided practice and play
4. Event management & game officiating
5. Friendly competitions and structured matches

Instructional Plan:

1. Introduction to Kho Kho - History and development
2. Rules of the Game, Play Area & dimensions
3. Fundamental Skills: Sitting, giving Kho, Pole dive
4. Sports Specific fitness and warmup drills
5. Stances and footwork: Running, sitting
6. Gameplay: Running strategies, ring method, chain method
7. Preparatory Drills and Fun Games

References:

1. Khelo India Official Rulebook of Kho Kho

Course Outcomes:

1. Learn to play Kho Kho
2. Understanding of the fundamental concepts such as rules of play, game variations
3. Understanding of the governing structure and administration of the sport
4. Understand the event management of the sport
5. Apply sport concepts into an active physical lifestyle

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	2	2				3				
CO2							2				
CO3							2				
CO4		3	3		2		2				
CO5				3	2		3				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:4

Good Health and Well-being: Ensure healthy lives and promote well-being for all at all ages.

SDG Justification:

The nature of the course facilitates students to engage in various forms of fitness activities and sports-related movements that work on their overall health and wellness. The course focuses on inculcating active living as a lifestyle by making sports fun, engaging and meaningful.

DOSP1071	TABLE TENNIS	L	T	P	S	J	C
		0	0	0	2	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course provides instruction and the opportunity for participation in sports and physical fitness activities. Skills, strategies, rules, and personal wellness goals are included as appropriate. This course will provide students with an understanding of the fundamental concepts of the physiological functions and training principles associated with the chosen sport.

Course Educational Objectives:

- Understand training principles used in the sport
- Demonstrate knowledge of the game in a recreational /competitive play setting
- Organize an event around the sport
- Demonstrate concepts of warm up, game conditioning, training plans

List of Activities:

1. Watch a sport documentary / training video / game history
2. On field coaching and demonstration session
3. Guided practice and play
4. Event management & game officiating
5. Friendly competitions and structured matches

Instructional Plan:

1. Introduction to Table Tennis - History and development
2. Rules of the Game, Play Area & dimensions
3. Fundamental Skills - TT: Grips - Racket, ball
4. Stances and footwork
5. TT Gameplay- Forehand, Backhand, Side Spin, High Toss. Strokes-Push, Chop, Drive, Half Volley, Smash, Drop-shot, Balloon, Flick, Loop Drive.
6. Preparatory Drills and Fun Games
7. Game Variations: Singles/ Doubles/ Mixed

References:

1. Handbook of the International Table Tennis Federation (ITTF)

Course Outcomes:

1. Learn to play Table Tennis
2. Understanding of the fundamental concepts such as rules of play, game variations
3. Understanding of the governing structure and administration of the sport
4. Understand the event management of the sport
5. Apply sport concepts into an active physical lifestyle

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	2	2				3				
CO2							2				
CO3							2				
CO4		3	3		2		2				
CO5				3	2		3				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:4

Good Health and Well-being: Ensure healthy lives and promote well-being for all at all ages.

SDG Justification:

The nature of the course facilitates students to engage in various forms of fitness activities and sports-related movements that work on their overall health and wellness. The course focuses on inculcating active living as a lifestyle by making sports fun, engaging and meaningful.

DOSP1081	HANDBALL	L	T	P	S	J	C
		0	0	0	2	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course provides instruction and the opportunity for participation in sports and physical fitness activities. Skills, strategies, rules, and personal wellness goals are included as appropriate. This course will provide students with an understanding of the fundamental concepts of the physiological functions and training principles associated with the chosen sport.

Course Educational Objectives:

- Understand training principles used in the sport
- Demonstrate knowledge of the game in a recreational /competitive play setting
- Organize an event around the sport
- Demonstrate concepts of warm up, game conditioning, training plans

List of Activities:

1. Watch a sport documentary / training video / game history
2. On field coaching and demonstration session
3. Guided practice and play
4. Event management & game officiating
5. Friendly competitions and structured matches

Instructional Plan:

1. Introduction to Handball - History and development
2. Rules of the Game, Play Area & dimensions
3. Fundamental Skills - Handball: Throwing, Ball control, Movement
4. Sports Specific fitness and warmup drills
5. Stances and footwork: Jumps, dribbles, catching, throws
6. Gameplay: Shots, throws, movements, attack, defense
7. Preparatory Drills and Fun Games

References:

1. International Handball Federation - Rules of the Game & Regulations

Course Outcomes:

1. Learn to play Handball
2. Understanding of the fundamental concepts such as rules of play, game variations
3. Understanding of the governing structure and administration of the sport
4. Understand the event management of the sport
5. Apply sport concepts into an active physical lifestyle

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	2	2				3				
CO2							2				
CO3							2				
CO4		3	3		2		2				
CO5				3	2		3				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:4

Good Health and Well-being: Ensure healthy lives and promote well-being for all at all ages.

SDG Justification:

The nature of the course facilitates students to engage in various forms of fitness activities and sports-related movements that work on their overall health and wellness. The course focuses on inculcating active living as a lifestyle by making sports fun, engaging and meaningful.

DOSP1091	BASKETBALL	L	T	P	S	J	C
		0	0	0	2	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course provides instruction and the opportunity for participation in sports and physical fitness activities. Skills, strategies, rules, and personal wellness goals are included as appropriate. This course will provide students with an understanding of the fundamental concepts of the physiological functions and training principles associated with the chosen sport.

Course Educational Objectives:

- Understand training principles used in the sport
- Demonstrate knowledge of the game in a recreational /competitive play setting
- Organize an event around the sport
- Demonstrate concepts of warm up, game conditioning, training plans

List of Activities:

1. Watch a sport documentary / training video / game history
2. On field coaching and demonstration session
3. Guided practice and play
4. Event management & game officiating
5. Friendly competitions and structured matches

Instructional Plan:

1. Introduction to Basketball - History and development
2. Rules of the Game, Play Area & dimensions
3. Fundamental Skills - Passing, Receiving, Dribbling
4. Sports Specific fitness and warmup drills
5. Stances and footwork: Jumps, dribbles, catching, throws
6. Preparatory Drills and Fun Games
7. Gameplay: Shots, throws, movements, attack, defense

References:

1. FIBA Basketball Official Rules

Course Outcomes:

1. Learn to play Basketball
2. Understanding of the fundamental concepts such as rules of play, game variations
3. Understanding of the governing structure and administration of the sport
4. Understand the event management of the sport
5. Apply sport concepts into an active physical lifestyle

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	2	2				3				
CO2							2				
CO3							2				
CO4		3	3		2		2				
CO5				3	2		3				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:4

Good Health and Well-being: Ensure healthy lives and promote well-being for all at all ages.

SDG Justification:

The nature of the course facilitates students to engage in various forms of fitness activities and sports-related movements that work on their overall health and wellness. The course focuses on inculcating active living as a lifestyle by making sports fun, engaging and meaningful.

DOSP1101	TENNIS	L	T	P	S	J	C
		0	0	0	2	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course provides instruction and the opportunity for participation in sports and physical fitness activities. Skills, strategies, rules, and personal wellness goals are included as appropriate. This course will provide students with an understanding of the fundamental concepts of the physiological functions and training principles associated with the chosen sport.

Course Educational Objectives:

- Understand training principles used in the sport
- Demonstrate knowledge of the game in a recreational /competitive play setting
- Organize an event around the sport
- Demonstrate concepts of warm up, game conditioning, training plans

List of Activities:

1. Watch a sport documentary / training video / game history
2. On field coaching and demonstration session
3. Guided practice and play
4. Event management & game officiating
5. Friendly competitions and structured matches

Instructional Plan:

1. Introduction to Tennis - History and development
2. Rules of the Game, Play Area & dimensions
3. Fundamental Skills - Tennis: Grips - Racket, ball
4. Stances and footwork
5. Gameplay- Forehand, Backhand, Service, volley, smash
6. Preparatory Drills and Fun Games
7. Game Variations: Singles/ Doubles/ Mixed

References:

1. Handbook of the International Tennis Federation (ITF)

Course Outcomes:

1. Learn to play Tennis
2. Understanding of the fundamental concepts such as rules of play, game variations
3. Understanding of the governing structure and administration of the sport
4. Understand the event management of the sport
5. Apply sport concepts into an active physical lifestyle

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	2	2				3				
CO2							2				
CO3							2				
CO4		3	3		2		2				
CO5				3	2		3				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:4

Good Health and Well-being: Ensure healthy lives and promote well-being for all at all ages.

SDG Justification:

The nature of the course facilitates students to engage in various forms of fitness activities and sports-related movements that work on their overall health and wellness. The course focuses on inculcating active living as a lifestyle by making sports fun, engaging and meaningful.

DOSP1111	THROWBALL	L	T	P	S	J	C
		0	0	0	2	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course provides instruction and the opportunity for participation in sports and physical fitness activities. Skills, strategies, rules, and personal wellness goals are included as appropriate. This course will provide students with an understanding of the fundamental concepts of the physiological functions and training principles associated with the chosen sport.

Course Educational Objectives:

- Understand training principles used in the sport
- Demonstrate knowledge of the game in a recreational /competitive play setting
- Organize an event around the sport
- Demonstrate concepts of warm up, game conditioning, training plans

List of Activities:

1. Watch a sport documentary / training video / game history
2. On field coaching and demonstration session
3. Guided practice and play
4. Event management & game officiating
5. Friendly competitions and structured matches

Instructional Plan:

1. Introduction to Throwball - History and development
2. Rules of the Game, Play Area & dimensions
3. Fundamental Skills - Throwing, Receiving
4. Sports Specific fitness and warmup drills
5. Stances and footwork
6. Preparatory Drills and Fun Games
7. Gameplay: Shots, throws, movements, control

References:

1. World Throwball Federation - Rules of the Game

Course Outcomes:

1. Learn to play Throwball
2. Understanding of the fundamental concepts such as rules of play, game variations
3. Understanding of the governing structure and administration of the sport
4. Understand the event management of the sport
5. Apply sport concepts into an active physical lifestyle

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	2	2				3				
CO2							2				
CO3		3	3				2				
CO4					2		2				
CO5				3	2		3				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :19-07-2021

ACADEMIC COUNCIL:19-07-2021

SDG No. & Statement:4

Good Health and Well-being: Ensure healthy lives and promote well-being for all at all ages.

SDG Justification:

The nature of the course facilitates students to engage in various forms of fitness activities and sports-related movements that work on their overall health and wellness. The course focuses on inculcating active living as a lifestyle by making sports fun, engaging and meaningful.

ENVS1001	ENVIRONMENTAL STUDIES	L	T	P	S	J	C
		3	0	0	0	0	3*
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

The course enables the students to adapt eco-centric thinking and actions rather than human-centric thinking on natural resources, their utilization and conservation. The course also focuses on the importance of ecosystems, biodiversity and their degradation led to pollution. This course helps in finding solutions through application of control measures to combat pollution and legal measures to achieve sustainable development.

Course Educational Objectives:

- To impart knowledge on natural resources and its associated problems.
- To familiarize learners about ecosystem, biodiversity, and their conservation.
- To introduce learners about environment pollution.
- To acquaint learners on different social issues such as conservation of water, green building concept.
- To make learners understand about the present population scenario, its impacts and role of informational technology on environment and human health.
- To make learners understand about the importance of field visit.

UNIT 1 Multidisciplinary nature of environmental studies & Natural Resources 10 hours

Multidisciplinary nature of environmental studies Definition, scope and importance. Need for public awareness. Natural resources and associated problems. Uses and over exploitation of Forest resources, Water resources, Mineral resources, Food resources, Energy resources. Role of an individual in conservation of natural resources.

Activity:

1. Planting tree saplings
2. Identification of water leakage in house and institute-Rectify or report
3. Observing any one day of a week as Car/bike/vehicle free day.

UNIT 2 Ecosystem and biodiversity 10 hours

Ecosystem: Structure components of ecosystem: Biotic and Abiotic components. Functional components of an ecosystem: Food chains, Food webs, Ecological pyramids, Energy flow in the ecosystem (10% law), Ecological succession.

Biodiversity: Definition, Biogeographical classification of India, Values of biodiversity: consumptive use, productive use, social, ethical, aesthetic. Hot-spots of biodiversity. Threats to biodiversity: habitat loss, poaching, man wildlife conflicts. Conservation of biodiversity: In – situ and Ex-situ

Activity:

1. Visit to Zoological Park-Noting different ecosystem
2. Biodiversity register- Flora and fauna in the campus

UNIT 3 Environmental Pollution 10 hours

Definition Causes, effects, and control measures of: -Air pollution. Water pollution. Soil pollution. Marine pollution. Noise pollution. Nuclear hazards. Solid waste Management: Causes, effects, and control measures. Role of an individual in prevention of pollution. Pollution case studies.

Activity:

1. Visit to treatment plant and documentation.
2. Documentation of segregation of solid waste-Dry and Wet

UNIT 4 Social Issues and the Environment 10 hours

From Unsustainable to Sustainable development Urban problems related to energy. Water conservation, rainwater harvesting, watershed management. Environmental ethics: Issues and possible solutions. Green building concept.

Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case Studies.

Activity:

1. Observing zero hour at individual level-documentation.
2. Eco friendly idols.
3. Rainwater harvesting-creating storage pits in nearby area.

UNIT 5 Human Population and the Environment and Environment Protection Act and Field work 10 hours

Population growth, variation among nations. Environment and human health. HIV/AIDS, Human rights. Value Education. Women and Child Welfare. Role of Information Technology in Environment and human health. Environment Legislation. Air (Prevention and Control of Pollution) Act. Water (Prevention and Control of Pollution) Act. Wildlife Protection Act. Environmental Protection Act, Issues involved in enforcement of environmental legislation.

Activity:

1. Visit to a local polluted site-industry/agriculture
2. Identifying diseases due to inappropriate environmental conditions

Textbook(s):

1. Erach Bharucha. Textbook of environmental studies for undergraduates courses- Universities Press,India Private Limited. 2019.
2. Kaushik A and Kaushik C.P. Perspectives in Environmental Studies. New Age InternationalPublishers Edition-VI. 2018.

3. Dave D Katewa S.S. Textbook of Environmental Studies, 2nd Edition. Cengage Learning India. 2012.

Additional Reading:

1. Benny Joseph. Textbook of Environmental Studies 3rd edition, McGraw Hill Publishing company limited. 2017.

Reference Book(s):

1. McKinney M.L., Schoch R.M., Yonavjak L. Mincy G. Environmental Science: Systems and Solutions. Jones and Bartlett Publishers. 6th Edition. 2017.
2. Botkin D.B. Environmental Science: Earth as a Living Planet. John Wiley and Sons. 5th edition. 2005.

Journal(s):

1. <https://www.tandfonline.com/loi/genv20>
2. <https://library.lclark.edu/envs/corejournals>

Website(s):

<https://www.ugc.ac.in/oldpdf/modelcurriculum/env.pdf> From Climate Science to Action | Coursera

Course Outcomes:

After the completion of the course student will be able to

1. List different natural resources and their uses
2. Summarize the structure and function of terrestrial and aquatic ecosystems.
3. Identify causes, effects, and control measures of pollution (air, water & soil).
4. Function of green building concept.
5. Adapt value education

CO-PO Mapping:

	PO2	PO1	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	2							2		
CO2		2				1		2		
CO3			1						1	
CO4				2						1
CO5	1								1	
CO6					2					1

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN: BOS

BOS: 04-07-22

ACADEMIC COUNCIL:14-07-22

SDG No. & Statement:

1. SDG-6-Clean water and Sanitation
2. SDG-7-Affordable and clean energy
3. SDG-13 - Climate change
4. SDG-14 - Life below water
5. SDG-15 - Life on Land

SDG Justification:

1. The learner will understand the importance of clean water and sanitation through this course and apply in their daily activities – SDG-6
2. The learner will make use of renewable resources to reduce pollution achieves SDG-7
3. The learner will understand present situation in climate change and takes appropriate steps to combat climate change – SDG-13
4. The learner will understand the existence of life below water – SDG-14
5. The learner will understand to promote sustainable terrestrial ecosystem – SDG15

FINA3001	PERSONAL FINANCIAL PLANNING	L	T	P	S	J	C
		0	0	2	0	0	1*
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	Risk Management in personal financing Fundamentals of Investing Personal and Family Financial Planning Introduction to Personal Finance Portfolio Selection and Risk Management						

Course Description:

Personal Financial Planning is one of the most significant factors in our lives. It is essential that funds are available as and when required at various stages of life. Unavailability of funds at critical stages of our life leads to financial distress and leads to many medical and non- medical problems. There are certain planned and unplanned events in our life. On the one hand, education of our children, their marriage, our retirement etc. are some of the planned events of our life, but at the same time, some medical urgency, accident or death of an earning member might be some unplanned events. Many of these events are beyond our control, but the availability of funds can be planned to avoid any financial distress. In other words, we cannot stop the rain but can plan for an umbrella.

This course looks at the many challenges an individual faces in a complex financial environment and the rising uncertainties of one's life. It focuses on achieving long-term financial comfort of individual and family through goal setting, developing financial and life strategies, acquiring personal financial planning knowledge and managing risk throughout one's life.

Course Educational Objectives:

- To build students' ability to plan for long-term financial comfort of individual and family through goal setting, developing financial and life strategies.
- To provide students with knowledge on terms, techniques to evaluate investment avenues.
- To build the skill set of the student to enable them to file their tax returns.

UNIT 1 Basics of Financial Planning

Financial Planning Meaning, Need, Objectives, Financial Planning Process, Time Value of Money and its application using excel (NP)

UNIT 2

Risk and Insurance Management

Need for insurance, Requirement of insurance interest, Role of insurance in personal finance, Steps in insurance planning, Life and Non-life insurance products, Life insurance needs analysis (NP)

UNIT 3

Investment Products and Measuring Investment Returns

Investment Products: Small Saving Instruments, Fixed Income Instruments, Alternate Investments, Direct Equity

Measuring Investment Returns: Understanding Return and its concept, Compounding concept, Real vs Nominal Rate of Return, Tax Adjusted Return, Risk-Adjusted Return (NP)

UNIT 4 Retirement Planning

Introduction to the retirement planning process, estimating retirement corpus, Determining the retirement corpus, Retirement Products (NP)

UNIT 5 Tax Planning

Income Tax: Income tax principles: Heads of Incomes, Exemptions and Deductions, Types of Assesses, Rates of Taxation, Obligations for Filing and Reporting, Tax aspects of Investment Products, Wealth Tax

Textbooks:

1. National Institute of Securities Management (NISM) Module 1 & XA
2. Madhu Sinha, Financial Planning, 2 Edition, McGraw Hill India
3. Simplified Financial Management by Vinay Bhagwat, The Times Group

References:

1. Personal Financial Planning (Wealth Management) by S Murali and K R Subbakrishna, Himalaya Publishing House.
2. Mishra K.C., Doss S, (2009). Basics of Personal Financial Planning 1e. National Insurance Academy, New Delhi: Cengage Learning.
3. Risk Analysis, Insurance and Retirement Planning by Indian Institute of Banking and Finance.

Course Outcomes:

1. Describe the financial planning process and application of time value of money
2. Application of life and non-life insurance products in financial planning
3. Understand the investment avenues and analysis of investment returns
4. Understand the retirement planning and its application
5. Describe and analysis the Tax Planning

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	1	1	0	0	1	0	0	3	1	1	3
CO2	2	2	0	0	1	1	1	3	1	1	2
CO3	3	2	1	0	1	0	0	3	2	2	3
CO4	3	2	0	1	1	0	1	2	2	3	2
CO5	3	3	0	1	1	1	2	1	2	2	3

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS : 01-02-2022

ACADEMIC COUNCIL: 01-04-2022

SDG No. & Statement:

SDG Justification:

LANG1001	COMMUNICATION SKILLS IN ENGLISH - BEGINNERS	L	T	P	S	J	C
		0	0	4	0	0	2*
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

Communication Skills in English (Beginner) is the first of the three-level courses for a developmental enhancement of learners' communication skills in English. This course focuses on giving learners exposure to factual level of comprehension (listening and reading) and application of the learning (Speaking/Writing) with an awareness for social and personality-based variations in communication. In addition to the LSRW skills, the focus of the course is on schematic thinking skills. This course is activity-based and practice-oriented in terms of procedural knowledge of vocabulary and grammatical structure. This syllabus is carefully developed to enable learners to engage in communication in English avoiding errors and be prepared for next level of learning English.

Course Educational Objectives:

- Train learners to listen actively, follow what is spoken in standard English, and answer questions to demonstrate their understanding of the main points of the speech, repeat part of what someone has said to confirm mutual understanding, though occasionally, there may be a need to ask for repetition or clarification. (Bloom's Taxonomy Level/s: 2 & 3)
- Equip learners with the skills to read and comprehend straightforward texts and simple argumentative writing to identify the topic, the desired/relevant information, the main points of the argument, and the major conclusion/s. (Bloom's Taxonomy Level/s: 2 & 4)
- Help learners apply their knowledge and language skills to make mini oral presentations and produce short coherent written texts using appropriate cohesive devices, suitable vocabulary, and grammatical structures. (Bloom's Taxonomy Level/s:3)
- Enable learners to communicate with reasonable accuracy in familiar contexts with adequate fluency and generally good control by equipping them with a repertoire of frequently used vocabulary, structures, and speech patterns. (Bloom's Taxonomy Level/s: 2 & 3)

List of Activities & Tasks for Assessment:

1. Listening to others and getting to know their experiences, interests and opinions
2. Introducing oneself: Salutation, basic information, relating to the context
3. Starting a conversation: Salutation, expressing purpose, expressing gratitude
4. Sharing one's experiences, interests and opinions
5. Reading short newspaper articles for gist
6. Picking new words from an article and working on them to know the meaning and usage
7. Using the new (unknown) words in own sentences
8. Sharing news with others - initiate, sustain and conclude
9. Understanding the relevance of intonation to meaning from recorded conversations, and applying the learning in pair work (role play)
10. Writing a summary of a story/personal narrative after listening to it twice and making individual notes
11. Reading graphs, charts and maps for specific information, making note of the important information and talking briefly about it within a small peer group
12. Writing a paragraph about oneself: a brief profile including major successes, failures, and goals. Giving compliments/gratitude to others
13. Writing a paragraph (descriptive, complimentary) about others (Family, friends, role model, etc.)
14. Correcting each other's' drafts: errors in language - word choice, structure, and conventions/etiquette
15. Writing a short structured descriptive/narrative essay in 3 paragraphs, reading others' essays, and sharing feedback

References:

1. V. Sasikumar, P. Kiranmayi Dutt, Geetha Rajeevan. (2007). Listening and Speaking - Foundation Books Cunninham, S. & Moor, P. (nd). New Cutting Hedge (Intermediate). Longman
2. Cambridge Academic English: An Integrated Skills Course for EAP (Intermediate) By Craig Thaine, CUP (2012)
3. Rutherford, Andrea J. (2007). Basic Communication Skills for Technology: Second Edition. Delhi: Pearson Education.
4. McCarthy, M., O'Dell, F., Mark, G. (2005). English Vocabulary in Use. Spain: Cambridge University Press.
5. New Headway Academic Skills: Reading, Writing, and Study Skills Student's Book, Level-1 by Sarah Philpot. OUP

6. Philpot, S. & Curnick, L. (2017). Headway: Academic Skills: Reading, Writing, and Study Skills. Introductory Level. OUP.
7. Thaine, C. (2012). Cambridge Academic English: An Integrated Skills for EAP. Intermediate. CUP.

Online References:

- www.teachingenglish.org.uk
- learnenglishteens.britishcouncil.org
- <https://eslflow.com/>
- <https://www.englishclub.com/>
- <https://www.oxfordlearnersdictionaries.com/>
- <https://dictionary.cambridge.org/>
- learnenglishteens.britishcouncil.org
- <https://freerice.com/categories/english-vocabulary>

Course Outcomes:

1. Listen actively, understand and extract the essential information from short talks/conversations/discussions that are delivered in clear, standard speech. (Bloom's Taxonomy Level/s: 2 & 3)
2. Read, understand, and extract specific information from straightforward factual and simple argumentative texts on general topics and subjects of interest. (Bloom's Taxonomy Level/s: 2 & 3)
3. Speak clearly with some confidence on matters related to his/her interests and academic work and make short structured oral presentations on topics of personal interest. (Bloom's Taxonomy Level/s: 3)
4. Write short straightforward connected texts on a range of familiar/general topics using appropriate linking devices to achieve a clear sequence of ideas. (Bloom's Taxonomy Level/s: 3)
5. Acquire sufficient language competency to express oneself in speech and writing with some confidence, using appropriate vocabulary and simple grammatical structures though lexical limitations and/or difficulty with formulation might be evident at times. (Bloom's Taxonomy Level/s: 2 & 4)

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	0	2	2	3	0	0	0				
CO2	0	2	2	3	0	0	0				
CO3	0	0	0	3	0	0	0				
CO4	0	0	0	3	0	0	0				
CO5	0	4	2	0	2	2	4				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :30-04-2021

ACADEMIC COUNCIL: 17-09-2021

SDG No. & Statement:

SDG No. 4: Statement: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG Justification:

The course aims to remove inequalities among admitted students with regard to basic communication skills in English and provide them communication as well as learning skills that are useful throughout their lives.

LANG1011	COMMUNICATION SKILLS IN ENGLISH	L	T	P	S	J	C
		0	0	4	0	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

Communication Skills in English (Intermediate) is the second of the three-level graded courses for a developmental enhancement of communication skills in English. Based on the learning outcomes set in the beginner level syllabus, this course focuses on giving learners more exposure to the use of language for communicative purposes and equip them with next level skills (ref. Bloom's taxonomy) and practice in terms of complexity and cognitive engagement. This course also includes inferential level of comprehension (listening and reading) that involves analysis and application of the language skills and decision-making skills while speaking/writing with an awareness for social and personality-based variations in communication. This course emphasizes guided writing through adequate tasks with pre and post context building. The focus is on stimulation and application of critical thinking in addition to schematic thinking for communication in real-life situations.

Course Educational Objectives:

- Train learners to actively listen to short audio texts with familiar content; guided activity like question-making and responding to others' questions based on the audio text would help learners engage in transactional dialogue; extended activities like extrapolating/critiquing the responses would help learners enhance their schematic thinking. (Bloom's Taxonomy Level/s: 2 & 4)
- Equip learners with strategies to read actively and critically and understand the writers' viewpoints and attitude by providing reading comprehension tasks using authentic texts such as op-ed articles from newspapers, and reports on contemporary problems. (Bloom's Taxonomy Level/s: 4 & 5)
- Help learners understand various aspects and techniques of effective presentations (group/individual) through demonstration and modelling, and enabling them to develop their presentation skills by providing training in using the tips and strategies given. Learners would be encouraged to observe and express opinion on teacher-modelling. Reflection on issues like anxiety, stage-fear, confidence, and levels of familiarity with topic and audience would be addressed. Practice would be given on tone, pitch, clarity and other speech aspects. Detailed peer feedback and instructor's feedback would cover all the significant aspects. (Bloom's Taxonomy Level/s: 2 & 4)
- Enable learners to become aware of the structure and conventions of academic writing through reading, demonstration, scaffolding activities, and discussion.

Corrective individual feedback would be given to the learners on their writing. (Bloom

List of Tasks and Activities:

S.No.	Tasks	Activities
1	Listening to subject related short discussions/explanations/ speech for comprehension	Pre-reading group discussion, Silent reading (Note-making), Modelling (questioning), Post-reading reflection / Presentation
2	Asking for information: asking questions related to the content, context maintaining modalities	Group role-play in a con text (i.e. Identifying the situation and different roles and enacting theirroles)
3	Information transfer: Verbal to visual (familiar context), demonstration by teacher, learners' task (guided with scaffolding), learners' task (free), presentation and feedback	Pair work for discussion & feedback, Presentations, question-answer
4	Information transfer: Visual to verbal (unfamiliar context); demonstration by teacher, learners' task (guided with scaffolding), learners' task (free), presentation and feedback	Pre-reading game/modelling, discussion in small groups, individual writing, and feedback
5	Introducing officials to peers and vice versa -Formal context	AV support, noticing, individual performance (3-4), pair work (in context), teacher modelling, group work for Introducing self and others in a formal context
6	Introducing friends to family and vice versa -Informal context	Teacher modelling/AV support, noticing structure & note-taking, Introducing friends andfamily in an informal context
7	Vocabulary in context: Find clues in a text and use them to guess the meaning of words/ phrases. Apply the newly learnt vocabulary in communication (speaking and writing).	Comprehending verbal communication: Identifying the contextual clues in oral and written texts; guessing the meaning of words/phrases in context while reading texts and listening to discussions/talks

8	A five-day journal (diary) writing based on learners reading from newspaper on a single relevant/current social issue. Individual oral presentation and feedback from peers and instructor.	Note-making (group work), Discussion, Feedback
9	Follow the essentials of lectures, talks, discussions, reports and other forms of academic presentations and make individual and group presentations aided with images, audio, video, tabular data, etc.	Making power point presentation aided with images, audio, video, etc. with a small group by listening to academic lectures/talks/ discussions,etc.
10	Self-reflection: Re-reading one's own drafts, identifying errors, correcting the errors, and giving rationale for the changes	Pre-task discussion/modelling, Editing the texts by careful reading and identifying the errors, peer-exchange (Pair work), feedback/consolidation
11	Collaborative work (speaking and writing) in small groups of 3 or 4 learners: discussing a general/discipline-specific topic: creating outline, assigning specific roles to members of the group; and group presentation followed by peer and instructor feedback	Pre-task modelling (peer/teacher), general discussion on structure, group work (collaboration), feedback
12	Independent reading of different text types using appropriate reference sources by adapting suitable reading styles and speed. Focus on active reading for vocabulary: low-frequency collocations and idiomatic expressions.	Brain-storming, mapping of key terms (content specific), reading and note-making (individual), oral questioning, discussion
13	Role-play (specific social and academic situations): planning (making notes), understanding nuances of speaking in context, coordinating with situational clues and fellow speakers/participants	Peer discussion for outline, A-V support, observing (teacher modelling), role play (guided), role-play (free), feedback
14	Writing instructions: Guidelines - Flowcharts - Procedures to be followed	Pre-task reading, pair work, teacher/peer-discussion, feedback

15	Speaking spontaneously on topics of interest and writing short structured essays on the same topics adopting appropriate academic conventions and grammatical accuracy.	Reading for task preparation, note-making, speaking, reflection and corrective peer and teacher feedback
----	---	--

Reference Books:

1. P. Kiranmayi Dutt, Geetha Rajeevan. (2007). Basic Communication Skills. FoundationBooks. CUP
2. Harmer, J. (1998). How to teach English. Longman
3. Sanjay Kumar & Pushp Lata. (2018). Communication Skills: A Workbook. OUP.
4. Cambridge IGCSE: English as a Second Language Teacher's Book Fourth Edition. By Peter Lucantoni. CUP (2014).
5. Cambridge Academic English: An Integrated Skills Course for EAP (Upper Intermediate) By Martin Hewings, CUP (2012)
6. Richards, J.C. and Bohlke, D. (2012). Four Corners-3. Cambridge: CUP.
7. Headway Academic Skills: Reading, Writing, and Study Skills Student's Book, Level-2 by Sarah Philpot. OUP
8. Latham-Koenig, C. & Oxenden, C. (2014). American English File. Oxford: OUP.
9. McCarthy, M. & O' Dell. F. (2016). Academic Vocabulary in Use. Cambridge: CUP

Online Resources:

1. <https://www.grammarly.com/blog/>
2. <https://www.nationalgeographic.org/education/>
3. <https://www.bbc.co.uk/teach/skillswise/english/zig4scw>
4. <https://www.englishclub.com/>
5. <https://www.oxfordlearnersdictionaries.com/>
6. <https://dictionary.cambridge.org/>
7. learnenglishteens.britishcouncil.org
8. <https://freerice.com/categories/english-vocabulary>
9. <http://www.5minuteenglish.com/>
10. <https://breakingnewsenglish.com/>
11. <https://www.digitalbook.io/>
12. <https://librivox.org/>

Course Outcomes:

1. Understand the speaker's point of view in fairly extended talks on general or discipline-specific topics, and follow simple lines of argument in discussions on familiar contemporary issues. (Bloom's Taxonomy Level/s: 3)
2. "Read and demonstrate understanding of articles and reports on limited range of contemporary issues in which the writers adopt particular stances. Also provide samples of written communication containing fairly complex information and reasons

for choices/opinions/stances. (Bloom's Taxonomy Level/s: 2 & 3)"

3. Make short presentations on a limited range of general topics using slides, and engage in smallgroup discussions sharing experiences/views on familiar contemporary issues and give reasonsfor choices/opinions/plans. (Bloom's Taxonomy Level/s: 3 & 4)
4. Write clear, fairly detailed text (a short essay) on a limited range of general topics, and subjectsof interest, and communicate clearly through email/letter to seek/pass on information or give reasons for choices/opinions/plans/actions. (Bloom's Taxonomy Level/s: 3)
5. Reflect on others' performance, give peer feedback on fellow learners' presentations, responsesto writing tasks and reading comprehension questions. (Bloom's Taxonomy Level/s: 5)

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	0	3	0	3	0	3	0				
CO2	0	2	0	3	2	2	0				
CO3	4	3	3	3	3	3	4				
CO4	0	3	3	3	3	3	0				
CO5	5	0	5	0	0	0	0				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :30-04-2021

ACADEMIC COUNCIL: 17-09-2021

SDG No. & Statement:

SDG No. 4: Statement: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG Justification:

The course aims to remove inequalities among admitted students with regard to basic communication skills in English and provide them communication as well as learning skills that are useful throughout their lives.

LANG1021	ADVANCED COMMUNICATION SKILLS IN ENGLISH	L	T	P	S	J	C
		0	0	4	0	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

Communication Skills in English (Advanced) is the third of the three-level graded courses for a developmental enhancement of communication skills in English. Based on the learning outcomes set in the upper-intermediate syllabus, this course focuses on giving learners exposure to higher level of skills/input processing (ref. Bloom's taxonomy) and practice in terms of complexity and cognitive engagement. This course includes advanced level of comprehension i.e. analytical, evaluative and extra-polative processing (listening and reading) and involves problem-solving, logical reasoning and decision-making skills in terms of application of the learning (speaking/writing) with an awareness for social and personality based variations in communication. This course provides opportunities with activity-based practice of advanced oral and written communicative skills besides building awareness on the finer nuances of language use for various purposes. This course emphasizes free writing through meaningfully engaging tasks with a pre and post context building. There is ample scope for application of critical thinking through simulated activities for effective communication in real life situations.

Course Educational Objectives:

- Enable learners to listen actively become aware of tone and attitude in speech, and demonstrate their comprehension of fairly complex lines of argument presented by a variety of speakers in talks/presentations/discussions. (Bloom's Taxonomy Level/s: 2 & 4)
- Enable learners to become aware of tone and attitude in written texts, and demonstrate their comprehension of fairly complex lines of argument and points of view presented in a variety of texts by equipping them with upper intermediate to advanced level reading skills and strategies. (Bloom's Taxonomy Level/s: 2 & 3)
- Make effective presentations, engage in formal group discussions, and write structured essays/ short reports to highlight the significance of actions/decisions/experiences, and sustain views by providing relevant evidence and argument. (Bloom's Taxonomy Level/s: 3 & 4)
- Equip learners with the skills and strategies to communicate effectively in speech and writing using the language with a degree of fluency, accuracy and spontaneity, and fairly good grammatical control adopting a level of formality appropriate to the context. Encourage learners to apply their knowledge of language and their

communication skills in real life situations. (Bloom's Taxonomy Level/s:3 & 5)

List of Activities & Tasks for Assessment:

S.No.	Tasks	Activities	CO
1	Evaluative and extrapolative reading of a longtext/short texts on a current topic related to technology and society, identifying and questioning the author's intention, post- reading discussion in small groups, maintaining group dynamics, arriving at a consensus	Pre-reading group discussion, silent reading (Note-making), modelling (questioning), post-reading reflectionand brief presentation of thoughts/ideas/opinions on the themeof the text	3
2	Debate in pairs based on listening to two recorded contemporary speeches by well- known leaders in different fields. Peer feedback and instructor feedback.	Pre-recorded audio/video for listening, student checklist for noticing key words/concepts, pre-task orientation (by teacher), pair work, feedback	1
3	Information transfer: Verbal to visual (unfamiliar context); demonstration by teacher, learners' task (guided with scaffolding), learners' task (free), presentation, question-answer (among students), modification and feedback before the final version is done	Pair work for discussion and feedback, presentations, question-answer	2
4	Information transfer: Visual to verbal (unfamiliar context); demonstration by teacher, learners' task (guided with scaffolding), learners' task (free), presentation, question-answer(among students), modification, editing, proofreading, and feedback before the final version is done	Pre-reading game/ modelling, discussion in small groups, independent writing and feedback	4
5	Expressing opinion on a short argumentative text (e.g. a journal article or a newspaper editorial) and justifying one's opinion/stance; focus on the use of appropriate conventions of formal and polite speech, and managing bias	Listening to group discussions/ debates, reading news-paper articles on the current issues and expressing opinions in favour or against the topic (in GDs, debates or writing argumentativeessays).	3

6	Role-play (complex social and academic/professional situations): Focus on significant aspects of delivery including clarity, tone, and use of contextually appropriate vocabulary and conventions, observation, reflective discussion, and self-reflective writing	Reading newspaper/ magazine articles/ blog posts on current social issues, listening to talks/ discussions/ debates etc. and participating in role-plays using expressions appropriate to the context.	1
7	Collaborative writing in groups of 3 - 4 on topics that would require data collection and reading followed by recorded peer-reflection and peer-feedback, group presentation and feedback	Pre-task modelling (peer), general discussion on structure, group work (collaboration), presentation, peer feedback, Open-class discussion	5
8	Formal Group Discussion on topics of current interest and relevance; focus on effective participation, reflection on control over argument/ counter argument, and adherence to the conventions of formal GD	Noticing strategies from AV modelling, teacher scaffolding through open-house discussion, Note-making (Group work), Group Discussion (free), post performance discussion, Feedback	2
9	Mind-mapping for advanced reading, making correlations across texts, extending author's point of view	Reading texts on abstract topics and comprehending the author's perspective by inferring the unknown words' meaning in the context and making notes using mind-map strategy and presenting it orally.	3
10	Handling question and answer sessions after presentations: justifying arguments, taking counter-arguments, agreeing and disagreeing with rationale	Listening to some lectures, talks, and presentations in the academic seminars and adapting some strategies to handle the Q&A sessions using polite and formal expressions to agree or disagree with the statements.	1
11	Modelling an interview: with a panel of four judges (peers)	Pre-task activity for orientation/ strategies (controlled/guided), Model interview (AV support), Group work (role play), interview in pair (one-to-one), Interview in group (many -to-one), oral corrective feedback (peer/ teacher)	2

12	Writing a short reflective report of an event - incident/ meeting/ celebration	Writing a report on meetings/ celebrations/ events etc. by actively involving in such events and giving a short oral presentation on the same.	4
13	Speaking on abstract and complex topics beyond his/her own area of interest/field of study, using the language flexibly and effectively.	Reading texts on abstract topics and comprehending the author's perspectives. Similarly, listening to talks and discussions on an abstract topic of other discipline and making short oral presentation by sharing views and opinions.	3
14	Self-reflection on own speech in context(recorded): tone, pitch, relevance, content; extending the reflections/ideas to others	Listening to selected general discussions (audios and videos) and observing the language production. Recording own speech on some general topic and providing a critical review (self-reflection) on it by focusing on the tone, expressions and relevance of the content, etc.	1
15	Collaborative and individual task: planning, preparing (preparing an outline, structure, setting objectives and presenting the plan of action) and executing a mini-project, and submitting a brief report on the same peer and instructor feedback after the planning stage and on completion of the mini project	Pre-task modelling (peer/teacher), general discussion on structure, group work (collaboration), oral corrective, task distribution, presentation, feedback	5

Reference Books:

1. Latham-Koenig, C. & Oxenden, C. (2014). American English File-5. Oxford: OUPRichards,
2. J.C. and Bohlke, D. (2012). Four Corners-4. Cambridge: CUP.
3. Cambridge Academic English: An Integrated Skills Course for EAP (Advanced) By Martin Hewings and Craig Thaine, CUP (2012)
4. Berlin, A. (2016). 50 Conversation Classes: 50 Sets of Conversation Cards with an Accompanying Activity Sheet Containing Vocabulary, Idioms and Grammar. Poland: CreateSpace Independent Publishing Platform
5. Zemach, D. E., Islam, C. (2011). Writing Paragraphs: From Sentence to Paragraph. Germany: Macmillan Education.

6. Stewart, J. P., Fulop, D. (2019). Mastering the Art of Oral Presentations: Winning Orals, Speeches, and Stand-Up Presentations. United Kingdom: Wiley.
7. Kroehnert, Gary. (2010). Basic Presentation Skills. Sidney: McGraw Hill.
8. Cunningham, S. & Moor, P. (nd). Cutting Edge (Advanced) With Phrase Builder. Longman Publishers. CUP
9. McCarthy, M & O'Dell, F. (2017). English Idioms in Use (Advanced). Cambridge: CUP.

Online Resources:

1. <https://www.grammarly.com/blog/>
2. <https://www.nationalgeographic.org/education/>
3. <https://www.bbc.co.uk/teach/skillswise/english/zjg4scw>
4. <https://www.englishclub.com/>
5. <https://www.oxfordlearnersdictionaries.com/>
6. <https://dictionary.cambridge.org/>
7. learnenglishteens.britishcouncil.org
8. <https://freerice.com/categories/english-vocabulary>
9. <http://www.5minuteenglish.com/>
10. <https://breakingnewsenglish.com/>
11. <https://www.digitalbook.io/>
12. <https://librivox.org/>

Course Outcomes:

1. Listen to extended lectures, presentations, and discussions on a wide range of contemporary issues and demonstrate understanding of relatively complex lines of argument. (Bloom's Taxonomy Level/s: 2)
2. Make presentations using suitable AV aids and engage in formal group discussions on a wide range of topics of contemporary interest, demonstrating awareness of standard/widelyaccepted conventions. (Bloom's Taxonomy Level/s: 3)
3. Read and demonstrate understanding of the writer's stance/viewpoint in articles and reports on a wide range of contemporary issues and discipline-specific subjects. (Bloom's Taxonomy Level/s: 2 & 4)
4. Write analytical essays on a wide range of general topics/subjects of interest, and engage in written communication (emails/concise reports) to exchange relatively complex information, giving reasons in support of or against a particular stance/point of view. (Bloom's Taxonomy Level/s: 3 & 4)
5. Complete a mini project that necessitates the use of fairly advanced communication skills to accomplish a variety of tasks and submit a report in the given format. (Bloom's Taxonomy Level/s: 4 & 5)

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	0	2	2	0	2	2	0				
CO2	3	3	0	3	0	0	3				
CO3	2	4	0	4	2	2	0				
CO4	3	4	0	4	0	0	3				
CO5	0	4	0	4	0	0	0				

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :30-04-2021

ACADEMIC COUNCIL: 17-09-2021

SDG No. & Statement:

SDG No. 4: Statement: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

SDG Justification:

The course aims to remove inequalities among admitted students with regard to basic communication skills in English and provide them communication as well as learning skills that are useful throughout their lives.

MFST1001	HEALTH & WELLBEING	L	T	P	S	J	C
		0	0	2	0	0	1*
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

The course provides the students a better understanding of the role of a proper diet in maintenance of human health. This course emphasizes the composition of the food, and will help to understand how to exercise, the role of sports and physical fitness in development of a good health. The course also focuses on the importance of emotional well-being and mindfulness. This course helps in teaching the role of yoga in maintenance of physical balance.

Course Educational Objectives:

- To provide an understanding of the relationship between food and nutrition
- To emphasize the role of exercise, sports and physical fitness in obtaining a good health
- To explain about the mindfulness and emotional well being
- To teach the role of yoga and meditation in maintaining the body balance

UNIT 1

Understand the relationship between Food and Nutrition and how food composition affects nutritional characteristics. Knowledge about regulatory principles in determining diets and recommended daily allowances. Understand how to create personalised diet/nutrition plans.

UNIT 2

Understand how exercise, activity and sports helps in developing good health. Experiential exposure to the role of proper, specific nutritional interventions along with structured activities on developing proper physical health. Practical exercises and assignments in sports and exercise regimes.

UNIT 3

Introduction to emotional wellbeing and mindfulness. Teaching of mindfulness practices to reduce stress, increase relaxation and improve mental wellbeing.

UNIT 4

Introduction to Yoga theory and how Yoga helps in maintaining balance in the body. Practice of Yoga and meditation to improve overall emotional and physical balance. Practical yoga exercises and meditation techniques

Course Outcomes:

By the end of the course, student will

1. Learn the role of nutrition and diet in maintaining a good health
2. understand how the exercise, sports and physical activities will improve health
3. learn mindfulness practices for reducing stress
4. know the importance of yoga and meditation

APPROVED IN:

BOS :30-04-2021

ACADEMIC COUNCIL: 17-09-2021

SDG No. & Statement:

SDG Justification:

UNIT 4

Gandhi and Sustainable Development

Gandhian Constructive Programs-Eleven Vows-Sarvodaya-Seven Social Sins-Gandhian Economics and Sustainable Development

UNIT 5

Gandhi and Contemporary Issues

Conflict Resolution Techniques of Gandhi-Ecological Challenges and Gandhian solutions-Gandhian Ethics-An Analysis

References:

1. Gandhi, M K. (1941). *Constructive Programme*. Ahmadabad: Navjivan Publishing House
2. Gandhi, M. K. (1948). *The Story of My Experiments with Truth*. Ahmadabad: Navjivan Publishing House
3. Gandhi, M K. (1968). *Satyagraha in South Africa*. Ahmadabad: Navjivan Publishing House.
4. Khoshoo, T N (1995). *Mahatma Gandhi: An Apostle of Applied Human Ecology*. New Delhi:TERI
5. Kripalani, J.B. (1970). *Gandhi: His Life and Thought*. New Delhi: Publications Division.
6. Narayan, Rajdeva (2011). *Ecological Perceptions in Gandhism and Marxism*. Muzaffarpur: NISLS
7. Pandey, J. (1998). *Gandhi and 21st Century*. New Delhi: Concept.
8. Weber, Thomas (2007). *Gandhi as Disciple and Mentor*. New Delhi: CUP

Course Outcomes:

After the successful completion of the course the students will be able to;

1. Understand the life of Gandhi
2. Appreciate the role of Gandhian non-violence and Satyagraha in India's freedom struggle.
3. Critically examine the philosophy of Gandhi on Education, Sarvodaya, and Satyagraha
4. Analyse the contemporary significance of Gandhian constructive programmes and eleven vows
5. Examine the possible solutions for some of the contemporary challenges like environmental issues, moral degradation and ethical dilemmas.

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	2	3	3	3	3	3	3	3	2	2
CO2	3	3	2	3	2	3	3	3	3	2	3
CO3	3	3	3	2	3	2	2	3	3	2	2
CO4	3	2	2	3	3	2	2	3	3	2	3
CO5	3	3	2	2	3	3	3	3	3	3	2

Note: 1 – Low Correlation 2 – Medium Correlation 3 – High Correlation

APPROVED IN:

BOS :30-04-2021

ACADEMIC COUNCIL: 17-09-2021

SDG No. & Statement:

SDG Justification:

POL1001	INDIAN CONSTITUTION AND HISTORY	L	T	P	S	J	C
		2	0	0	0	0	2*
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course analyses the basic structure and operative dimensions of the Indian Constitution. It explores various aspects of the Indian political and legal system from a historical perspective highlighting the various events that led to the making of the Indian Constitution. The course also deals with various challenges faced by the constitution and its coping mechanisms. Broadly, the students would understand and explain the working of different institutions and political debates ensuing from the operation of the Indian constitution in action.

Course Educational Objectives:

- To introduce constitutional history of India.
- To explain the process of making Indian constitution
- To analyze Fundamental of Rights, Duties and other principles in constitution
- To create familiarity with political developments which shaped the constitution.

UNIT 1**India as a Nation****6 hours**

Khilani, S. (2004). *Introduction, The Idea of India*, Chapter 1. New Delhi: Penguin Books, pp. 1-15.

Rowat, D. (1950). 'India: The Making of a Nation', *International Journal*, 5(2), 95-108.
Doi:10.2307/40194264

Brass, P. (2018). 'Continuities and Discontinuities between pre- and post-Independence India', Chapter 1.

The Politics of Idea since independence, New Delhi: Cambridge University Press. Pp. 1-30.

UNIT 2**Understanding the Constitution****6 hours**

Mehta, U.S. (2011). 'Constitutionalism' in *The Oxford Companion to Politics in India*, (ed) by Nirja Gopal Jayal, and Pratap Bhanu Mehta, New Delhi: Oxford University Press. Pp. 15-27.

Bakshi, P. (1956). 'Comparative Law: Separation of Powers in India'. *American Bar Association Journal*, 42(6), 553-595.

Rao, P. (2005). 'Separation of Powers in a Democracy: The Indian Experience'. *Peace Research*, 37(1), 113-122.

Kumar, Ashwani (2019): "Constitutional Rights, Judicial Review and Parliamentary Democracy,"

Economic and Political Weekly, Vol 51, Issue 15

Tillin, Louise. (2015). 'Introduction' in *Indian Federalism*. New Delhi: Oxford University Press. Pp. 1-30.

Chakrabarty, Bidyut and Rajendra Kumar Pandey. (2008). *Federalism' in Indian Government and Politics*, New Delhi: Sage Publications. Pp. 35-53.

Arora, B. and Kailash, K. K. (2018). 'Beyond Quasi Federalism: Change and Continuity in Indian Federalism', in *Studies in Indian Politics*, pp. 1-7.

Agrawal, Pankhuri (2020): "COVID-19 and dwindling Indian Federalism," *Economic and Political Weekly*, Vol 55, Issue No 26

Recommended Readings:

De, Rohit. (2018). *A People's Constitution – The Everyday Life of Law in the Indian Republic*, USA: Princeton University Press.

Granville Austin, *The Indian Constitution: Cornerstone of a Nation*, Oxford University Press, Oxford, 1966.

Lahoti, R.C. (2004). *Preamble: The Spirit and Backbone of the Constitution of India*. Delhi: Eastern Book Company.

Rajeev Bhargava (ed), *Ethics and Politics of the Indian Constitution*, Oxford University Press, New Delhi, 2008.

Subhash C. Kashyap, *Our Constitution*, National Book Trust, New Delhi, 2011. Tillin, Louise. (2015). *Indian Federalism*. New Delhi: Oxford University Press.

Zoya Hassan, E. Sridharan and R. Sudarshan (eds), *India's Living Constitution: Ideas, Practices, Controversies*, Permanent Black, New Delhi, 2002.

Course Outcomes:

On the successful completion of the course students would be able to:

1. Demonstrate an understanding of the Constitution of India and how constitutional governance is carried out in India
2. Interpret knowledge of the Fundamental Rights and Duties of the Citizens as well as the Obligation of the state towards its citizens
3. Correlate familiarity with key political developments that have shaped the Constitution and amended it from time to time.
4. Equip themselves to take up other courses in law after having done a foundation course on Indian Constitution

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	1	2	1	2	2	3	3	2	3	1	2
CO2	1	1	2	1	2	2	3	2	3	1	2
CO3	1	2	1	2	2	2	3	1	3	1	1
CO4	1	1	1	2	2	2	3	1	3	1	1
CO5	1	1	1	2	2	2	3	2	3	1	2

Note: 1 – Low Correlation 2 – Medium Correlation 3 – High Correlation

APPROVED IN:

BOS :30-04-2021

ACADEMIC COUNCIL: 17-09-2021

SDG No. & Statement:

SDG Justification:

VEDC1001	VENTURE DEVELOPMENT	L	T	P	S	J	C
		0	0	0	2	0	2
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

India as part of its “Make in India” initiative has been focusing on creating incubation centers within educational institutions, with an aim to generate successful start-ups. These start-ups will become employment creators than employment seekers, which is the need of the hour for our country. This common course (university core) for all the disciplines is a foundation on venture development. It is an experiential course that starts with students discovering their deeper self in terms of how they might contribute to society by creating exciting new products and services that can become the basis of real businesses. The students learn about the emerging areas of knowledge that are the foundations of any successful company. They will learn how to develop insight into the problems and desires of different types of target customers, and from this, to identify the design drivers for a specific innovation. Students will learn specific design methods for new products and services. The students will learn that as important as the product or service itself, is a strategy for monetizing the innovation – for generating revenue, structuring the operating costs, and creating the operating profit needed to support the business, hire new employees, and expand forward. This course is aimed to be the beginning of what might be the most important journey of personal and career discovery so far in a student’s life, one with lasting impact. This is not just a course, but potentially, an important milestone in life that a student remembers warmly in the years to come.

Course Educational Objectives:

Students have the opportunity to:

- Discover who they are – Values, Skills, and Contribution to Society
- Understand how creativity works and permeates the innovation process
- Learn the basic processes and frameworks for successful innovation.
- Gain experience in going through the innovation process.
- Conduct field research to test or validate innovation concepts with target customers.

UNIT 1

PERSONAL DISCOVERY

4 hours

Personal Values, Excite & Excel, Build a Team, Define Purpose, Mission Statement

UNIT 2 **IDEATION** **10 hours**

Ideation & Impact, User Insights - Frameworks, Customer Interviews, Interpreting Results

UNIT 3 **SOLUTION DISCOVERY** **8 hours**

Concept Design, Competitive Analysis, Product Line Strategy, Prototyping Solutions, Reality Check

UNIT 4 **BUSINESS MODEL DISCOVERY** **4 hours**

Understand the Industry, Types of Business Model, Define Revenue Models, Define Operating Models, Define Customer Journey, Validate Business Model

UNIT 5 **DISCOVERY INTEGRATION** **4 hours**

Define Company Impact, Create Value, Tell Your Story

Textbooks:

1. Meyer and Lee, "Personal Discovery through Entrepreneurship", The Institute for Enterprise Growth, LLC. Boston, MA., USA.

References:

1. Adi Ignatius (Editor-in-Chief), "Harvard Business Review", Harvard Business Publishing, Brighton, Massachusetts, 2021

Course Outcomes:

1. Identify one's values, strengths and weaknesses and their will to contribute to the society
2. Formulate an idea and validate it with customers
3. Demonstrate prototyping and analyse the competition for the product
4. Create business models for revenue generation and sustainability of their business
5. Come up with a pitch that can be used as the basis for actually starting a company based on an impactful innovation and societal impact

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1						3	1				
CO2		3		3	1	3	2				
CO3	1	3	3		3		3				
CO4					1	1	3				
CO5					3	3					

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :30-04-2021

ACADEMIC COUNCIL: 17-09-2021

SDG No. & Statement:

4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

17. Strengthen the means of implementation and revitalize the global partnership for sustainable development.

SDG Justification:

4. The course involves identifying one's personal values and working on real-life problems, thus forming the base to work on their passions even past the collegiate life.

17. The course is developed in collaboration with North-eastern University, USA and the training for the champions is being by North-eastern University.

Faculty core

ACCN1001	INTRODUCTION TO FINANCIAL ACCOUNTING	L	T	P	S	J	C
		4	0	0	0	0	4
Pre-Requisite:	NONE						
Co-requisite:	NONE						
Preferable exposure	NONE						

Course Description:

Every manufacturing and trade business in an economy is intrinsically involved in financial transactions. These financial transactions serve as the foundation for the accounting system, which is just as critical as the technological or legal frameworks. Financial accounting knowledge enables managers to comprehend and evaluate financial reports, critical for making financial decisions and resolving problems. A manager should be capable of understanding the accounting structure to operate the organisation properly.

Course Educational Objectives:

1. To know the basics of Accounting-Concepts and Conventions & Accounting equation
2. To understand the Preparation of journal, ledger and Trial Balance along with Cash book
3. To know the accounting framework to prepare Final Accounts of trading concerns and calculation of depreciation.
4. To interpret the accounting information of financial statements for decision making through financial statement analysis.
5. 5. To understand financial statements through ratios.

UNIT 1

Introduction of Accounting

8 hours

Introduction to Accounting: Introduction, need, and definition of Accounting. Importance of Accounting, users of Financial Accounting records, Accounting concepts and conventions – Accounting Equation – Basics of IFRS.

UNIT 2

Journal and Ledgers

10 hours

Preparation of Journal and Ledgers – Types of Subsidiary books – Preparation of Triple Column Cash Book. Trial balance: Definition – Importance and methods of preparation. (NP)

UNIT 3

Preparation of Financial Statements

10 hours

Preparation of Final Accounts: Objective and need for preparation of Income Statements – Form and contents of income statements. Preparation of Trading Account, Profit and Loss Account with adjustments. Preparation of Balance Sheet – Objectives and need for balance sheet – Form and contents of balance sheet. Preparation of balance sheet with Adjusting Closing Entries relating to

Depreciation on Fixed Assets (Straight Line Method and Written down Value Method), outstanding expenses, prepaid expenses, Income received in advance, Accrued income, debtors, creditors and closing stock. (NP)

UNIT 4

Financial Statement Analysis

10 hours

Financial Statement Analysis: Funds flow analysis – Statement of funds from operations – Preparation of Funds flow statement. Cash flow analysis: Statement of cash from operations – Preparation of Cash Flow Statements (NP)

UNIT 5

Ratio Analysis

10 hours

Ratio Analysis: Meaning and types of ratios: Return on Capital Employed; Gross and Net Profit Margins; Asset Turnover; Trade Receivables Collection Period and Trade Payables Payment Period; Current and Quick Ratios; Inventory Turnover; Capital Gearing Ratio. (NP)

Text Books:

1. S.N. Maheshwari, S.K. Maheshwari and CA S.K. Maheshwari (2016). Accounting for Management. Vikas Publishing House, 3 rd Ed. Noida.
2. S.P. Jain & Narang, "Financial Accounting - I, Kalyani Publishers, 2010.

References:

1. Ambrish Gupta (2016). Financial Accounting for Management: An Analytical Perspective. Pearson Education, 5th Ed. New Delhi.
2. Paul M. Collier (2015). Accounting for Managers: Interpreting Accounting Information for Decision Making. Wiley Publishers, UK.

Course Outcomes:

1. Differentiate the book-keeping and double entry system
2. Prepare trial balance from the ledger balances
3. Prepare balance sheets
4. Analyze cash flow statement and know its uses
5. Analyze and interpret the financial statements with ratio analysis

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	2	0	0	0	1	0	0	0	1	0	1
CO2	2	0	0	0	1	0	0	0	1	0	1
CO3	2	0	0	0	1	0	0	0	1	0	1
CO4	2	0	0	0	1	0	0	0	1	0	1
CO5	2	0	0	0	1	0	0	0	1	0	1

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:
BOS : 16-08-2021

ACADEMIC COUNCIL: 18-10-2021

SDG No. & Statement: 4 & 8

SDG Justification:

Goal 4- Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

Goal 8- Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

IENT1001	BUSINESS ECONOMICS	L	T	P	S	J	C
		3	0	0	0	0	3
Pre-requisite	NONE						
Co-requisite	NONE						
Preferable exposure	NONE						

Course Description:

In today's competitive business environment, effective managerial/business decision making requires use of economic concepts and tools. Business efficiency depends on minimization of cost and maximization of production which requires perfect understanding of the economic concepts like demand, supply, production, cost and market conditions. Business economics uses economic concepts and principles by emphasizing on demand and Supply analysis, production & cost analysis and different market structures which are fundamental for further study. This course also introduces important macroeconomic concepts which are indispensable for understanding the functioning of an economy and which also affects the business performance

Course Educational Objectives:

- Understand the fundamental concepts of business economics
- Apply demand and supply situations, demand forecasting techniques that are helpful in decision making process for business organizations.
- Identify the optimum solutions in production process with the help of cost and output relationships
- Discover the market structures under different competitive conditions Correspond relevant information for business decisions by gaining knowledge about various macro-economic aspects.

UNIT 1 Introduction to Business Economics 9 hours

Introduction to Economics- Nature and Scope of Business Economics- Difference between Economics and Business Economics- Fundamental concepts associated with business economics- Role of Business Economics in decision making.

UNIT 2 Demand and Supply Analysis 9 hours

Demand and Supply Analysis: Determinants of demand, types of demand, Law of Demand, determinants of supply, law of supply, market equilibrium, price mechanism. Elasticity of demand, types of elasticity, methods to measure elasticity. Demand forecasting, Methods (Qualitative and Quantitative) of demand forecasting

UNIT 3

Production and Cost analysis

9 hours

Production and Cost Analysis: Production function, Laws of Production - Short run - one variable production function, Long run – Iso-quants, Iso-cost line, producer’s equilibrium, expansion path, Law of returns to scale. Cost – Cost concepts, Cost output relation - short run cost output relationship, long run cost output relationship, Economies of scale and Dis Economies of Scale

UNIT 4

Market Structure

9 hours

Market Structure - Basis for classification of market power, kinds of competitive market, price and output decisions in perfect competition and imperfect market, Monopoly, Monopolistic, Oligopoly market . Market Failures – public goods, social goods, merit goods, administered prices (ceiling price and floor price) and Externalities – Positive and negative externalities.

UNIT 5

Macroeconomics

9 hours

Macroeconomics- National Income-Concepts of national income, methods of calculating national income. Inflation- causes-demand pull and cost push inflation, measures to control inflation, business cycles -phases of business cycles and measures to control business cycles. Stabilization policies – Monetary Policy and Fiscal Policy

Text Books:

1. Geetika, P.Ghosh, P.R.Choudhury, Managerial Economics, McGraw Hill Education Private Limited, New Delhi, 2018.
2. Dominick Salvatore, Seventh Edition, Adapted Version, Oxford Publication New Delhi, 2014

References:

1. Dr.D.N.Dwivedi, Managerial Economics, Vikas Publishing House, New Delhi, 2015/Latest Edition.
2. Paul G. Keat, Phili K. Y. Young, Sreejata Banerjee, "Managerial Economics", Pearson, New Delhi, 2012/Latest Edition.

Course Outcomes:

1. Apply the essential concepts and principles of managerial economics in business decisions.
2. Demonstrate the knowledge of demand and supply conditions in the market.
3. Comprehend the skills to examine and estimate the production and cost behavior in short run and long run for analyzing the effect of economies and dis-economies of scale on the business.
4. Illustrate competition strategies, including costing, pricing, product differentiation, and market environment according to the natures of products and the structures of the Markets
5. Acquire the knowledge of macroeconomic variables and apply the data for forward planning and decision making in the dynamic environment.

CO-PO Mapping:											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	2	2	1	1	1	1	3	3	2	3	3
CO2	1	3	3	0	0	1	2	3	3	2	2
CO3	1	3	2	1	0	2	1	2	2	3	2
CO4	2	2	3	1	1	3	1	2	2	2	1
CO5	0	0	3	1	2	2	3	3	2	1	1

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS : 16-08-2021

ACADEMIC COUNCIL: 18-10-2021

SDG No. & Statement: 4 & 8

SDG Justification:

Goal 4- Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

Goal 8- Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

IENT1011	INDIAN BUSINESS ENVIRONMENT	L	T	P	S	J	C
		3	0	0	0	0	0
Pre-requisite	NONE						
Co-requisite	NONE						
Preferable exposure	NONE						

Course Description:

The business environment in India is undergoing a dynamic change; what was looked upon as an underdeveloped nation is now regarded as a potential economic power and emerged as one of the emerging nation of the world. With the eruption digitization and e-commerce its service industry is providing multinational companies with unparalleled opportunities. With liberalization, privatization and further on globalization India's business world is occupying a place in almost all major sectors of the world economy. In this context, the nature and extent of the role of the state is undergoing fundamental changes with digitization and financial inclusion. In this dynamic and changing external environment of such gigantic dimensions, this course is aimed at sensitizing the students to the value implications of environment on business, in general. The main drive of this course addresses structural changes, external environmental changes, planning and policies of the state ,economic trends, information technology and its impact .Knowing the major legal environment concepts and acts in addition to other environments is also to be discussed in this course. Though business is an economic activity, business ethics, social responsibilities of business and corporate governance is introduced in this course.

Course Educational Objectives:

- To describe micro and macro factors affecting business and its impact on business decisions.
- To analyze Indian economic planning and its impact on business environment.
- To discuss the monetary and fiscal policies in India and their impact on business.
- To examine the relationship between society and business.
- To analyze the regulatory and actions of corporate governance.

UNIT 1

Business Environment

9 hours

Nature, scope and objectives of business-Environment of business description-internal environment and external environment- Political environment- Economic environment- Social Environment- Technological environment- Ecological & Legal environment- Macro environment and Microenvironment.

Course Outcomes:

1. Distinguish between micro and macro environmental factors.
2. Analyze the Globalization impact on Indian Business Environment.
3. Outline the objectives of Monetary and fiscal policies in India.
4. Assess how the social audit under companies Act relates to CSR.
5. Discuss and analyze the need of corporate governance in India.

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PS01	PSO 2	PSO 3	PSO 4
CO1	3	1	3	2	3	3	3	3	3	3	3
CO2	3	1	2	1	1	1	3	3	3	2	3
CO3	3	1	2	1	1	1	3	3	3	1	3
CO4	3	3	3	3	3	3	2	3	3	3	3
CO5	3	1	3	3	3	3	2	3	3	3	3

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS : 16-08-2021

ACADEMIC COUNCIL: 18-10-2021

SDG No. & Statement:

Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

SDG Justification:

The completion of this course will trigger the thinking process among the students (managers or entrepreneurs) to work towards sustained economic growth and creation of employment and decent work for all.

OPTS1001	BUSINESS MATHEMATICS	L	T	P	S	J	C
		3	0	0	0	0	0
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description: The course is designed to understand and acquire knowledge and skills in Basic Mathematics for solving business problems. To provide practice in the handling of business problems that deal with day-to-day transactions encountered by business administrators. To use the results of mathematical calculations to help evaluate various options in reaching financial decisions, whether personal or business-related. Upon completion of the course the students will be, familiarized with the nature of business problems and Able to analyze and take business decisions in day-to-day transactions.

Course Educational Objectives:

- * Understand the basic concepts for solving business problems.
- * Apply the analytical techniques in business transactions that would help in solving business problems
- * Analyze and take business decisions in day-to-day transactions
- * Evaluate of the results of mathematical calculations to help evaluate various options in reaching financial decisions
- *Evaluate competitive advantage for the business

UNIT 1

Basic mathematics

13 hours

Theory of Indices: Definition, types of indices, properties of indices, basic problems on indices. Equations: Types of equations, solving linear simultaneous equations and Quadratic equations with one variable. Permutations and Combinations: Definition, basic problems on permutations and combinations.

UNIT 2

Matrix Algebra

10hours

Definition, types of matrices, Scalar Multiplication of Matrix, Equating of Matrices, Matrix operations: Addition, Subtraction, and Multiplication; Transpose of Matrix, Determinant of matrix, Inverse of Matrix, Solving of Equations by Cramer's Rule, Matrix Inversion method, Rank of Matrix.

UNIT 3

Elementary Calculus

10hours

Differentiation: Definition, rules of differentiation, logarithmic differentiation, partial differentiation of first and second order, maxima & minima. Integration: Definition, some standard rules of integration, integration by substitution, integration by parts.

UNIT 4

Application of Calculus

12hours

Elasticity of demand, Average revenue, Marginal revenue, Average cost, Marginal cost, Total cost, Consumer's surplus, Supply curve of short period and long period in perfect competition, Maximum revenue, Minimum Cost.

UNIT 5

Mathematics of Finance

10hours

Simple interest, Compound interest, Annuity, Concept of present value and amount of sum types of annuities, present value and amount of an annuity including the cases of continuous compounding, problems relating to sinking fund.

Text Books:

1. R.C. Joshi (2013.), Business Mathematics, Jalandhar: New Academic Publishing Co.
2. J.K Singh (2013), Business Mathematics, Mumbai: Himalaya Publishing House

References:

1. Dr. Amarnath Dikshit & Dr. Jinendra Kumar Jain (2011.), Business Mathematics, Mumbai: Himalaya Publishing House.
2. Dr.C. Sancheti and V.K.Kapoor (2012), Business Mathematics, New Delhi: Sultan Chand & Sons.

Course Outcomes:

1. Understanding the fundamental knowledge of Basic Mathematics
2. Applying the knowledge in matrix Algebra for solving business problems
3. Evaluating the partial differentiation of first and second order, maxima & minima
4. Analyse and understand the basic concepts of business economics and its role in business decisions
5. Applying the rate of interest and its application in banking and finance

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	1	0	0	0	0	2	0	2	2	2
CO2	2	1	0	0	0	0	2	0	2	2	2
CO3	2	1	0	0	0	0	2	1	2	2	2
CO4	2	1	1	0	0	0	2	1	2	2	2
CO5	2	1	1	0	0	0	2	1	2	2	2

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS : 16-08-2021

ACADEMIC COUNCIL: 18-10-2021

SDG No. & Statement:

SDG Justification:

UNIT 3

Organizing

10 hours

Structure, Nature, Types of Organizations, Principles of Organizing; Departmentalization; Delegation; Decentralization of Authority; Span of Control - Line and Staff Functions; Staffing; Concept, Significance and Functions.

UNIT 4

Leading

09 hours

Introduction, Characteristics of a Leader, Functions of a Leader; Leadership and Management; Principles of Leadership, Styles of Leaders.

UNIT 5

Controlling

09 hours

Introduction, Concept of Controlling, Purpose of Controlling; Types of Control; Steps in Controlling; Techniques in Controlling.

Textbooks:

1. Harold Koontz & Heinz Weirich (2012), Management, a Global and Entrepreneurial Perspective, New Delhi: Tata McGraw Hill Publishing company.

References:

1. Dipak Kumar Bhattacharyya (2012), Principles of Management: Text and Cases, New Delhi: Pearson Publications.
2. Balasubramanian. N. (2012), Management Perspectives, New Delhi: MacMillan India Ltd.
3. Charles Hill, Steven Mc Shane (2012), Principles of Management, New Delhi: Tata Mac Graw Hill
4. Ricky W. Griffin (2012), Management, New Delhi: Cengage Learning.
5. Terry and Franklin (2011), Principles of Management. New Delhi: AITBS Publishers.
6. Robert Kreitner (2012), Principles of Management. New Delhi: Cengage, South-Western12 E

Course Outcomes:

1. can apply different managerial roles in Business organization
2. explain the importance of MBO in organization
3. aware the concept and principles of Organizing
4. analyze and apply different leadership styles
5. understand the concept and purpose of Controlling in Organizations

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	0	2	0	1	1	1	0	3	1	1	0
CO2	0	1	2	0	1	0	1	2	2	0	0
CO3	2	1	2	0	1	0	1	2	2	2	1
CO4	1	2	1	1	2	1	1	2	2	3	2
CO5	2	1	1	1	1	0	0	2	1	2	2

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS : 16-08-2021

ACADEMIC COUNCIL: 18-10-2021

SDG No. & Statement:

SDG 4: Quality Education

SDG Justification:

Statement: The modules and topics mentioned in this course are designed to ensure quality management education which helps lifelong learning in understanding and managing the challenges of changes in the dynamic business environment.

UNIT 4

What – If Analysis

6 hours

Using Data Tables, Using Scenario Manager, Using Goal Seek

UNIT 5

Working with Solver

6 hours

Using Solver, Marketing Mix problem, Transportation Problem, HR scheduling, Investment Decision

TextBooks:

1. Wayne L. Winston, Microsoft Excel - Data Analysis and Business Modeling, Prentice Hall of India

References:

1. Paul Mcfedris, Excel Functions and Formulas, Wiley

Course Outcomes:

1. Build basic formulae in Excel
2. Apply different functions
3. Apply pivot tables on a given problem
4. Distinguish different programs under what-if analysis
5. Evaluate how to use solver for optimization problem

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	2	0	0	0	0	0	2	0	0	0	1
CO2	3	0	0	0	0	0	2	0	0	0	1
CO3	3	0	0	0	0	0	2	0	0	0	1
CO4	3	0	0	0	0	0	2	0	0	0	1
CO5	3	0	0	0	0	0	2	0	0	0	1

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS : 16-08-2021

ACADEMIC COUNCIL: 18-10-2021

SDG No. & Statement:

4: Quality Education

SDG Justification:

The modules and topics mentioned in this course are designed to ensure all-inclusive and thorough education with equity for all persons and promote learning opportunities at all times.

BUAN2011	EMERGING TECHNOLOGIES	L	T	P	S	J	C
		2	0	0	0	0	2
Pre-requisite	NONE						
Co-requisite	NONE						
Preferable exposure	NONE						

Course Description:

Emerging digital technologies have generated new opportunities in the current business landscape. These technologies have the capability of not only changing the existing products and services but introducing innovative ones.

Course Educational Objectives:

- Get an overview of different emerging technologies
- Understand the basic concepts of AI and ML
- Understand the basic models of cloud computing
- Understand the basic technology of IoT
- Understand the importance of blockchain in secure financial transactions

UNIT 1 Introduction to Artificial Intelligence 6 hours

What is AI, Applications and Examples, Issues and Concerns around AI, Ethical Concerns, Knowledge Representation, Need of Expert System

UNIT 2 Introduction to Machine Learning 6 hours

Aspects of developing a learning system: training data, Testing data, Applications of ML. Machine Learning Paradigms: supervised learning models, Unsupervised Learning, Reinforcement Learning

UNIT 3 Understanding Cloud Computing 6 hours

Cloud origins and influences, basic concepts and terminology, goals and benefits, risks and challenges. Fundamental Concepts and Models: Roles and boundaries, cloud characteristics, cloud delivery models, cloud deployment models

UNIT 4

Introduction to Internet of Things

6 hours

An overview, the flavor of the internet of things, the technology of the internet of things, enchanted objects, who is making the internet of things. Design Principles for Connected Devices: Calm and ambient technology, web thinking for connected devices

UNIT 5

Introduction to Blockchain

6 hours

Introduction, Features, Fundamentals of Blockchain and key components, Permission and Permission-less platforms, Bitcoin overview, Building blocks of Bitcoin, Bitcoin – Wallets, Bitcoin – POW Consensus & mining.

References:

1. Stuart Russell, Peter Norvig, Artificial Intelligence: A Modern Approach, 3rd Edition, Pearson Publications, 2020
2. Blockchain: Blueprint for a New Economy, Melanie Swan O'Reilly Publications
3. Thomas Erl, Ricardo Puttini, Zaigham Mahmood, Cloud Computing: Concepts, Technology & Architecture, Prentice Hall, 2013
4. Adrian McEwen, Hakim Cassimally, Designing the Internet of Things, Wiley, 2013.
5. Saikat Dutt, Subramaniyam Chandramouli, Amit Kumar Das, Machine Learning, Pearson Education

Course Outcomes:

1. Explain the concept of AI and its Applications
2. Explain the concept of Machine Learning and its Applications
3. Discuss different cloud computing deployment models
4. Explain how IoT helps in connecting devices
5. Discuss the importance of blockchain technologies in secure financial transactions.

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	2	0	0	0	0	0	2	0	0	1	0
CO2	2	0	0	0	0	0	2	0	0	1	0
CO3	2	0	0	0	0	0	2	0	0	1	0
CO4	2	0	0	0	0	0	2	0	0	1	0
CO5	2	0	0	0	0	0	2	0	0	1	0

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS : 16-08-2021

ACADEMIC COUNCIL: 18-10-2021

SDG No. & Statement:

4: Quality Education

SDG Justification:

The modules and topics mentioned in this course are designed to ensure all-inclusive and thorough education with equity for all persons and promote learning opportunities at all times.

UNIT 4

Partnership Act 1932

8 hours

Meaning and scope of partnership, formation of partnership, registration of partnership, kinds of partners, dissolution of a partnership firm, limited liability partnership (LLP).

UNIT 5

Company Law

7 hours

Definition and kinds of companies - formation and advantages of incorporation of a company - Memorandum of Association- Articles of Association - Prospectus - winding up of a company.

Textbooks:

Avatar Singh, "Business Laws", Eastern Book Company, Lucknow, 2014

1. Maheswari & Maheswari, "Business Laws", Himalaya Publishing Company, New Delhi, 2013
2. Akhileshwar Pathak, "Legal Aspects of Business", Pearson, New Delhi, 2014

Course Outcomes:

- Student will be able to understand the Business-Related concepts, foundations etc.,
- Student will be able to understand Business Law interventions and its impact on Business.
- Students will be able to understand the role of Rules and Regulations framed under the Legal system to run business in judicious way.
- At the end student will be able to understand the purposes, relevance and value of specific Jurisdiction of Business Laws related with Contracts, Agency, Sales, Company etc.,
- It will be able to apply multidisciplinary approach of the case laws to the context

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	1	1	1	3	2	3	1	1	1	0	0
CO2	1	2	1	2	1	2	1	1	2	0	0
CO3	1	2	2	1	2	1	2	1	1	0	0
CO4	2	1	1	2	2	3	2	2	0	0	0
CO5	1	1	1	3	1	2	1	1	2	0	0

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS : 16-08-2021

ACADEMIC COUNCIL: 18-10-2021

SDG No. & Statement:

Peace and Justice Strong Institutions

SDG Justification:

4: Quality Education

Peace and Justice Strong Institutions

Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels

ACCN1071	COST AND MANAGEMENT ACCOUNTING	L	T	P	S	J	C
		4	0	0	0	0	4
Pre-requisite	financial accounting and analysis						
Co-requisite	cost accounting Basics of Cost Accounting: Product Costing						
Preferable exposure	NONE						

Course Description:

This course is designed with fundamentals of Cost concepts and the usage of the accounting information for better decision making. In the initial stages cost accounting was merely considered to be a technique for ascertainment of cost of products or services on the basis of historical data. In course of time due to competitive nature of the market, it was realized that ascertainment of cost is not as important as controlling costs. Hence, cost accounting started to be considered more as a technique for cost control as compared to cost ascertainment. Due to technological development in all fields, now cost reduction has also come within the ambit of cost accounting. Cost accounting is thus concerned with recording, classifying and summarizing costs for determination of costs of products or services, planning, controlling and reducing such costs and furnishing of information to management for decision-making. Management Accounting: Management accounting is concerned with the provision of information to people within the organization to help them make better decisions.

Course Educational Objectives:

1. To provide understanding of essential terms, concepts of cost, various methods and techniques of costing and understanding of management accounting concepts.
2. To interpret and compute material cost, labor cost and overheads
3. To Prepare and interpret cost sheet
4. To develop skills in students to analyze various tactical decisions with the help of marginal costing techniques for better decision making
5. To impart the essentials of Budgetary control and computation of various budgets.

UNIT 1

Cost and Management Accounting

8 hours

Meaning of costing, cost accounting and management accounting-Nature and Scope of Cost Accounting and Management Accounting – Importance of cost center and cost unit - Cost Accounting vs. Management Accounting vs. Financial Accounting.

UNIT 2 **Elements of Different Costs** **8 hours**

Direct and Indirect - Material Cost- Issue of Materials- Pricing Methods (LIFO, FIFO, Simple and Weighted Average) - Labour cost- Direct and Indirect Labour Cost- Systems of Payment of Wages (Halsey & Rowan Plans) - Overheads-Classification, Allocation and Apportionment of Overheads. (NP)

UNIT 3 **Preparation of Cost Sheet** **8 hours**

Classification of costs – prime cost – works cost – cost of production – cost of sales – Profit Margin - Preparation of Cost sheet for special work orders (NP)

UNIT 4 **Managerial Applications of Cost-Volume-Profit and Break Even Analysis** **8 hours**

Analysis and Classification of different Costs- Fixed Cost- Variable Cost- incremental Cost- Differential Costs- Opportunity Cost and Cost-Volume-Profit Analysis- Margin of Sales and Break Even Point- Decisions involving alternative choices – Make or Buy Decision- determination of sales mix – addition or deletion of a product (NP)

UNIT 5 **Budgeting** **8 hours**

Meaning of Budget, Budgeting and Budgetary control – Essentials of a Budgetary Control- Master Budget- Flexible Budget- Production and Sales Budget- Zero Based Budgeting. (NP)

TextBooks:

1. S.P. Jain & K.L. Narang (2013), Cost and Management Accounting, New Delhi: Kalyani Publishers

References:

1. Khan & Jain (2012), Cost Accounting, New Delhi: Tata Mc-Graw Hill Publishing House.
2. Sharma & Shashi K.Gupta (2014), Management Accounting, New Delhi: Kalyani Publishers.
3. S.N.Maheswari (2012), Management Accounting, New Delhi: S.Chand Publications.

Course Outcomes:

On completing this course, the student will be able to:

- Students will enhance the knowledge on the elements of cost
- Student will be able to prepare of cost sheet
- Students will be oriented on the concepts of Job, Batch, Contract and Process Costs and Preparation of the relevant documents.
- Students will be able to execute management accounting concepts in managerial decision making.
- Students will be able to plan and prepare financial budgets

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	1	0	0	0	0	0	0	1	0		
CO2	1	2	0	1	0	0	0	1	1		
CO3	2	2	3	2	1	0	0	2	1		
CO4	3	2	2	1	1	0	0	2	1		
CO5	3	2	2	1	1	0	0	2	1		

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:
BOS : 16-08-2021

ACADEMIC COUNCIL: 18-10-2021

SDG No. & Statement:

GOAL 4: Quality Education

SDG Justification:

Quality Education: Students will be learning about the recent updates of Accounting & Finance with special reference to Performance Management Concepts Strategic Level papers.

Introduction – Concepts of Working Capital, Objective of Working Capital Management, Need for Working Capital, Operating Cycle, Determinants of Working Capital, Estimation of Working Capital.

UNIT 5

Dividend Decisions

8 hours

Introduction, Forms of Dividends, Types of Dividend Policies, determinants of Dividend Policy - Theories of Dividend Policy - Walter Model, Gordon Model, Modigliani and Miller Model – Bonus Shares and Stock Split – Legal, procedural and Tax Aspects of Dividend Policy.

TextBooks:

1. R.K. Sharma & Shashi K. Gupta (2014), Financial Management. Ludhiana: Kalyani Publications.

References:

1. I.M. Pandey (2010), Financial Management, New Delhi: Vikas Publications.
2. M.Y. Khan & P.K. Jain. (2013), Financial Management. New Delhi: Tata McGraw Hill

Course Outcomes:

On completing this course, the student will be able to:

- Students can make optimum decisions pertaining to raising funds, making investments and managing the assets of a corporation, big or small.
- Students learn to manage finances with the ultimate goal of creating value.
- Students can perform working capital management.
- Students can execute dividend decisions and can design a dividend policy.
- Students can take financial decisions and design financial strategies.

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PS01	PSO2	PSO3	PSO4
CO1	1	0	0	0	0	0	0	1	0	1	0
CO2	1	2	0	1	0	0	0	1	1	1	2
CO3	2	2	3	2	1	0	0	2	1	2	2
CO4	3	2	2	1	1	0	0	2	1	3	2
CO5	3	2	2	1	1	0	0	2	1	3	2

APPROVED IN:

BOS : 16-08-2021

ACADEMIC COUNCIL: 18-10-2021

SDG No. & Statement:4

GOAL 4: Quality Education

SDG Justification:

Quality Education: Students will be learning about the recent updates of Accounting & Finance with special reference to Performance Management Concepts Strategic Level papers.

FINA2081	INSURANCE MANAGEMENT	L	T	P	S	J	C
		3	0	0	0	0	3
Pre-requisite	FINA2001/FINA2021 Essentials of Financial Management/Financial Management						
Co-requisite	Risk Management in Personal Finance- Digital Competition in Financial Services-						
Preferable exposure	NONE						

Course Description:

This course introduces students to the concepts of risk & risk management and the fundamental principles of insurance. Course content also encompasses Life, Fire, Marine, Motor Insurance, Agriculture in India, and Insurance Company operations. The course also helps students to understand insurance intermediaries and the functions of insurers.

Course Educational Objectives:

1. Basic concepts in Risk Management
2. Characteristics of insurance contracts
3. Analyzing and comparing the various insurance alternatives in Life Insurance Policies.
4. The various risk management applications to support individuals and businesses through general insurance policies.
5. The operations of an insurance company

UNIT 1

8 hours

Risk Vs. Uncertainty-Kinds and Classification of Risk – Methods of Handling Risk – Meaning of Risk Management – Steps in the Risk Management Process - The changing scope of Risk Management.

UNIT 2

8 hours

Introduction to Insurance- Basic Characteristics of Insurance – Fundamental Legal Principles of Insurance – Requirements of Insurance Contract – Benefits of Insurance to Society.

UNIT 3

8 hours

Life Insurance- Principles of Life Insurance – Types of Life Insurance – Variation of Life Insurance

UNIT 4

8 hours

General Insurance-Principles of General Insurance – Fire, Marine, Motor, Engineering, Miscellaneous, Liability, and Agricultural Insurance.

UNIT 5

8 hours

Insurance Company Operations-Rate Making – Underwriting- production – Claim Settlement.

TextBooks:

T1. George E. Rejda (2018), *Principles of Risk Management and Insurance* Tenth Edition, New Delhi: Pearson Education.

T2. M. N. Mishra (2002), *Insurance Principles and Practice*, New Delhi: S.Chand& Co

References:

R1 Dr. P. Gupta(2018), *Insurance and Risk Management*, New Delhi: Himalaya Publications

R2 Principles of Insurance, Mumbai: Insurance Institute of India.

R3. The practice of Life Insurance, Mumbai: Insurance Institute of India

R4. The practice of General Insurance Mumbai: Insurance Institute of India

Course Outcomes:

1. Students will enhance their knowledge in insurance and banking operations in India.
2. Students will develop basic ideas on thrust areas in insurance and banking.
3. Students will enhance their knowledge of general insurance and its principles.
4. Students will enhance their skills in insurance management and operations.
5. Students will enhance their knowledge of the functioning of the insurance market.

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	2	2	2	2	3	3	3	2
CO2	3	2	3	3	3	2	3	3	3	3	2
CO3	3	2	3	3	3	2	3	3	3	3	2
CO4	3	3	3	3	3	2	3	3	3	3	2
CO5	3	3	3	3	3	2	3	3	3	3	2

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS : 16-08-2021

ACADEMIC COUNCIL: 18-10-2021

SDG No. & Statement:

4: Quality Education.,

8: Decent Growth & Economic Growth.

SDG Justification:

This course enhances the quality of education and promotes lifelong learning opportunities as the students pass through the different phases in their careers and personal life.

This course enables students to benefit from employment and enterprising opportunities, contributing to the nation's economic development.

OPTS1101	FUNDAMENTAL BUSINESS STATISTICS	L	T	P	S	J	C
		3	0	0	0	0	3
Pre-requisite	NONE						
Co-requisite	NONE						
Preferable exposure	NONE						

Course Description:

Business Statistics is important, for future managers, to have a firm understanding of the basics of statistics and its application to analyze and create an edge for the business. Student will be able to understand the measurement systems variability, control processes (as in statistical process control or SPC). The student should summarize data, and to make data-driven decisions

Course Educational Objectives:

Understand the basic concepts of Probability and Statistics

- * Apply the analytical techniques in business transactions that would help in making effective business decisions
- * Analyze problems in business transactions that would help in making effective business decisions
- * Evaluate of the summarizing data and to make data-driven decisions
- *Evaluate competitive advantage for the business.

UNIT 1 Introduction to Statistics 8 hours

Meaning, Definition, and Need - Techniques of Conducting Surveys - Survey Design - Sources of Data - Methods of Primary Data Collection - Sampling - Different types of Sample Design - Data Analysis and Presentation.

UNIT 2 Measures of Central Tendency 10 hours

Mean, Median, Mode. Measures of Dispersion: Range, Quartile Deviation, Mean Deviation, Standard Deviation, Variance, Coefficient of Dispersion, Coefficient of Variation, Combined Arithmetic Mean and Combined Standard Deviation.

UNIT 3 **Correlation and Regression Analysis** **10 hours**

Meaning of Correlation, Types of Correlation, Methods of Computation of Correlation Coefficient: Karl Pearson and Spearman's Rank; Meaning of Regression, Types of Finding the Regression Equations: Least Square Principle and Using Regression Coefficient Methods, Prediction Using the Regression Equations.

UNIT 4 **Probability** **10 hours**

Introduction, Definitions of Various Terms, Definition of Probability and Basic Problems in Probability. Index Numbers: Definition, Uses of Index Number Types of Index Numbers – Laspyre, Paasche's, Fisher's, Cost of Living Index Numbers.

UNIT 5 **Time Series Analysis** **7 hours**

Definition, Components of Time Series, Measurement of Trend: Least Square Method, Moving Average Method, Report writing - Significance of Report Writing - Steps in Report Writing - Layout of the Research Report.

TextBooks:

1. J.K Sharma (2013), Business statistics, New Delhi: Pearson Education.
2. S.C. Gupta & Indra Gupta (2012), Business Statistics, Hyderabad: Himalaya Publishing House.

References:

1. David M. Levine, David Stephan Timothy C. Krehbiel, Mark L Berenson (2012), Statistics for managers using Microsoft Excel, New Delhi: Prentice Hall India Pvt.
2. Amir D. Aczel, Jayavel Sounderpandian (2011), Complete Business Statistics, New Delhi: Tata McGraw Hill.
3. S.P. Gupta & M.P. Gupta (2012), Business Statistics, New Delhi: Sultan Chand & Sons..

Course Outcomes:

- 1 Understand the concept of conducting Surveys.
2. Evaluate the measure of dispersion method in real life and research.
3. Apply correlation analysis in real-life business applications.
4. Analyse the probability and index method Analyse the report written in significance and layout of the research s in real-life business application
5. Applying the rate of interest and its application in banking and finance

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PS01	PSO2	PSO3	PSO4
CO1	3	1	0	0	0	0	2	0	2	2	2
CO2	2	1	0	0	0	0	2	0	2	2	2
CO3	2	1	0	0	0	0	2	1	2	2	2
CO4	2	1	1	0	0	0	2	1	2	2	2
CO5	2	1	1	0	0	0	2	1	2	2	2

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:
BOS : 1-02-2022

ACADEMIC COUNCIL: 01-04-2022

SDG No. & Statement:

SDG Justification:

IENT2001	ENTREPRENEURSHIP	L	T	P	S	J	C
		2	0	0	0	0	2
Pre-requisite	NONE						
Co-requisite	NONE						
Preferable exposure	NONE						

Course Description:

Entrepreneurship is an essential element for economic progress as it manifests its fundamental importance in different ways: a) by identifying, assessing, and exploiting business opportunities; b) by creating new firms and/or renewing existing ones by making them more dynamic; and c) by driving the economy forward – through innovation, competence, job creation- and by generally improving the well-being of society.

Course Educational Objectives:

This course intends the students to

1. Describe the characteristics of an entrepreneur and the types of entrepreneurs.
2. Understand the entrepreneurial Process and Government Support to Entrepreneurs.
3. Discuss the sources of business ideas and evaluate the business opportunity.
4. Explain the formation of a business and different sourcing of funds.
5. To know business plan preparation and business model development.

UNIT 1 Entrepreneur and Entrepreneurship 8 hours

Description of Entrepreneur and Entrepreneurship, Evolution of Entrepreneurship, Characteristics of Entrepreneur, Functions of an Entrepreneur, Types of Entrepreneurs, Growth of Entrepreneurship in other countries and in India, Barriers of Entrepreneurship, and Role of Entrepreneurship in economic development.

UNIT 2 Nature and Nurture of Entrepreneurs 8 hours

Entrepreneurial Motives, Motivating factors of Entrepreneurship, Theories of Entrepreneurship, Entrepreneurial culture, Entrepreneurial Knowledge and Skills, Entrepreneurial Competencies, Entrepreneurial Process, Entrepreneurship Development Programs and Government Support to Entrepreneurs.

UNIT 3 Business Incubation and Start-up 8 hours

Invention, Innovation and Imitation, Sources of Business Ideas, Opportunity Recognition, Brain Storming, Idea Possibility, Scanning the Environment, Gaps for new business and new ways of business, Evaluating Business Opportunity, Feasibility Study, Start-up/Entrepreneurial Ecosystem, Understanding the Market and the Customer Needs, Framing Unique Selling Proposition (USP), Risk and Return Assessment and Prototype Development.

UNIT 4 Formation of Business and Sourcing of Funds 8 hours

Trademark/Patent/Business Name Registration Process-Sole Proprietorship, Partnership, Limited Liability Partnership (LLP), Private Limited Company and Public Limited Company Registration process, Sourcing of Funds- Cost of the project, Own Funds, Seed Capital, Angel Investment, Crowd Funding, Venture Capital, Private Placement, Term Loans, and Capital Market Funds (Equity and Debt Funds).

UNIT 5 Business Plan and Business Model 8 hours

Conceptual framework of Business Plan- need and importance, Process of Business Plan and Minimum Viable Product (MVP): Business Model Development - Value Proposition, Generic and Specific Business Models, Business Model Innovation, Competitive Advantage and Sustenance of the Business.

TextBooks:

1. Donald F. Kuratko (2014), *Entrepreneurship: Theory, Process, Practice* New Delhi: Cengage Learning.
2. Robert D. Hishrich, Mathew J Manimala, *Entrepreneurship*, Mc Grah Hill Education, New Delhi.

References:

1. Arya Kumar, *Entrepreneurship: Creating and Leading an entrepreneurial organization*, Pearson Publications, New Delhi
2. Raj Shankar (2012), *Entrepreneurship Theory and Practice*, New Delhi: Tata Mc Graw Hill.
3. S.ANone Kumar &S.C Purnima, *Entrepreneurship Development*, New Delhi: New Age Publishers.
4. A Shay and V Sharma, *Entrepreneurship and New Venture Creation*, New Delhi: Excel Books.
5. Vasant Desai, *Dynamics of Entrepreneurial Development and Management*, New Delhi: Himalaya Publishing House.
6. Madhurima Lall and ShikhaSahai, *Entrepreneurship*, New Delhi: Excel Books
7. Bruce R. Barringer and R. Duane Ireland, *Entrepreneurship: Successfully Launching New Ventures*, 3rd Edition, Pearson Prentice Hall (2009).
8. Poornima M. Charantimath (2012), *Entrepreneurship Development – Small Business Enterprises*, New Delhi, Pearson

Course Outcomes:

1. Understand the skills/talents required to become a successful entrepreneur.
2. Able to identify real-time problems and find solutions to create and design new with acceptable solutions.
3. Able to identify the sources of new business ideas and business opportunities.
4. Know the different sources of funds to start a new business.
5. Understand the steps to be taken to prepare a business plan and develop a suitable business model.

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PS01	PSO2	PSO3	PSO4
CO1	1	1	1	2	3	1	2	1	1	2	3
CO2	1	1	1	2	3	1	2	2	2	2	1
CO3	2	1	1	2	3	3	2	2	3	2	2
CO4	1	2	3	3	3	2	3	1	1	1	2
CO5	1	2	3	3	2	3	1	3	2	2	2

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:
BOS : 16-08-2021

ACADEMIC COUNCIL: 18-10-2021

SDG No. & Statement:08

Decent Work and Economic Growth

SDG Justification:

The course aims to articulate learners with a mindset to align themselves towards inclusive and sustainable economic growth, productive employment generation and decent work for all.

FINA2071	INDIAN FINANCIAL SYSTEM	L	T	P	S	J	C
		3	0	0	0	0	3
Pre-requisite	NONE						
Co-requisite	NONE						
Preferable exposure	NONE						

Course Description:

This course aims at providing the students the intricacies of Indian financial system for better financial decision making.

Course Educational Objectives:

1. To understand the Functions of Financial System, Financial Assets, Intermediaries and Markets towards economic development.
2. To understand the financial instruments available in the financial markets and their working in the financial system.
3. To understand the role played by financial institutions.
4. To Understand the importance and role of regulatory bodies in the financial system and
5. Finally, to explore the nature and importance of financial services within the financial system.

UNIT 1 Introduction 8 hours

Financial System and the Economy – Role of Financial System in Economic Development, Economic Growth and Capital Formation – Financial Deepening and Financial Widening - Structure of Indian Financial System - Reforms in Indian Financial Sector

UNIT 2 Financial Markets 8 hours

Money Market and Capital Market – Primary Market and Secondary Market – Constituents of Money market and Capital Market - New Financial Instruments.

UNIT 3 Regulators of Financial Markets 8 hours

Role of Financial regulators – SEBI – Functions, Objectives and Regulatory approach - RBI – Organization and Management, Functions of RBI, Roles of RBI, Monetary policy of RBI – Regulatory framework of IRDA – Regulatory framework of PFRDA.

UNIT 4 **Financial Institutions** **8 hours**

Intermediaries and non-intermediaries; the role of Banking – Commercial banks, RRBs, Co-operative banks, Development banks, LIC, NBFCs and Investment banking.

UNIT 5 **Financial Services** **8 hours**

Nature and Importance of Financial Services – Fee Based Financial Services and Asset Based Financial Services

TextBooks:

1. T1. Bharti (2018), Indian Financial System, Noida: Pearson.
2. T2. M.Y.Khan (2019), Indian Financial System: *Financial Markets, Institution and Services*, New Delhi: McGraw Hill Education (India) Private Limited.
3. T3.L M Bhole and JitendraMahakud (2013), *Financial Institutions and Markets*, New Delhi: McGraw Hill Education (India) Private Limited.

References:

1. R1. Gordon and Natarajan (2012),*Financial Institutions and Markets*,New Delhi: Himalaya Publishing House.
2. R2. Jeff Madura (2011),*Financial Institutions and Markets*, New Delhi: Cengage Learning.
3. R3. Anthony Saunders and M M Cornett (2010),*Financial Markets and Institutions*, New Delhi: Tata McGraw Hill

Course Outcomes:

1. Be aware of the structure and components of the Indian Financial System.
2. Comprehend the need, definition, functions and economic significance of financial institutions and markets.
3. Understand the functions and working of the components and intermediaries of the financial system and how they are linked to each other.
4. Be aware of the Indian Capital Market & Money Markets and the various Market Instruments introduced by the system for investment and tax savings.
5. Have an overview of the Nature and Importance of Financial Services

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	2	2	1	2	2	2	2	2
CO2	2	3	3	3	3	1	3	3	3	3	3
CO3	2	3	3	3	3	1	3	3	3	3	3
CO4	2	3	3	3	3	1	3	3	3	3	3
CO5	2	3	3	3	3	1	3	3	3	3	3

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:
BOS : 1-02-2022

ACADEMIC COUNCIL: 01-04-2022

SDG No. & Statement:

Goal 4: Quality Education

Goal 16: Peace Justice and Strong Institutions.

SDG Justification:

This course exposes the students to qualitative education and promotes lifelong learning and career opportunities.

This course enables the students to develop skills with which they would be able to promote peaceful and inclusive societies for sustainable development.

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PS01	PSO2	PSO3	PSO4
CO1	1	0	0	0	0	0	0	1	0		
CO2	1	2	0	1	0	0	0	1	1		
CO3	2	2	3	2	1	0	0	2	1		
CO4	3	2	2	1	1	0	0	2	1		
CO5	3	2	2	1	1	0	0	2	1		

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:
BOS : 1-02-2022

ACADEMIC COUNCIL: 01-04-2022

SDG No. & Statement:

GOAL 4: Quality Education

GOAL 16: Peace and Justice Strong Institutions

SDG Justification:

Quality Education: Students will be learning about the recent updates of Accounting & Finance with special reference to Performance Management Concepts Strategic Level papers.

Peace and Justice Strong Institutions: Students are enabled to learn about the growth and performance of a company based on all perspectives, both quantitative and qualitative factors. This leads to build strong institutions.

ACCN2051	INCOME TAX LAW AND PRACTICE	L	T	P	S	J	C
		4	0	0	0	0	4
Pre-requisite	Financial accounting						
Co-requisite	None						
Preferable exposure	None						

Course Description:

The course aims to develop knowledge and skills relating to the Indian tax system as applicable to individuals, single companies and groups of companies

Course Educational Objectives:

1. Explain and compute the total income of individuals under five heads of income
2. Calculation of Income tax using various deductions and exemptions
3. Filing of returns, payment of taxes and understanding of due dates for payments and filing.

UNIT 1 Introduction 8 hours

Preliminary Concepts, Definitions, Basis of Charge, Residential Status and Exemption u/s 10. Income from Salaries: Salaries, Deduction from Salaries, Perquisites and Profits in Lieu of Salaries

UNIT 2 Income From House Properties 10 hours

Annual Value Determination, Deductions from House Property, Unrealized Rent, Arrears of Rent, Co-ownership; Profits and Gains from Business and Profession: Computation, Deductions allowed with respect to building, machinery, plant and furniture, Depreciation, Investment in new Plant and Machinery.

UNIT 3 Capital Gains 12 hours

Capital Assets, Transactions not regarded as Transfer, Computation of Capital Gains, Cost for certain specified modes of acquisition, Capital gains and cost of acquisition for Depreciable and Non-Depreciable assets, Guideline value v/s full value of consideration, forfeiture of advance received, Exemptions u/s 54, Cost of Improvement, Reference to Valuation Officer; Income From Other Sources: Sources, Deductions, amounts not deductible.

UNIT 4 Basics of Set-Off and Carry Forward 8 hours

Clubbing of Income of another person in assesses Total Income; Deductions under Chapter VI-A (Only Payment based deductions i.e. 80C to 80GGC); Comprehensive problem on computing an assesses total income

UNIT 5

Advance tax:

8 hours

Computation of interest u/s 234A,B and C, Tax Deducted at Source – payments on which TDS is warranted, Rates of Deduction of TDS, Filing of Return – PAN, Tax Returns Prepares, Who should sign the return, due date for filing ITR

TextBooks:

1. Manoharan and G.R. Hari (2015), Direct Taxation, New Delhi: Snow White Publication

References:

1. Dr. Vinod K. Singhania, Dr. KapilSinghania (2015), Direct Taxes Law and Practice, New Delhi: Taxmann’s Publications.
2. CA Vinod Gupta (2015), Direct Tax Modules, New Delhi: VG Learning Destination

Course Outcomes:

On completing this course, the student will be able to:

- Students will be able to file income tax returns.
- Students will enhance their learning in all sources of income in the assessment year.
- Students will enhance their learning in all deductions in the assessment year.
- Students will enhance their knowledge in capital gains and capital assets.
- Students will enhance their learning in advance tax in the assessment year.

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PS01	PSO2	PSO3	PSO4
CO1	1	0	0	0	0	0	0	1	0		
CO2	1	2	0	1	0	0	0	1	1		
CO3	2	2	3	2	1	0	0	2	1		
CO4	3	2	2	1	1	0	0	2	1		
CO5	3	2	2	1	1	0	0	2	1		

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS : 1-02-2022

ACADEMIC COUNCIL: 01-04-2022

SDG No. & Statement:

GOAL 4: Quality Education

SDG Justification:

Quality Education: Students will be learning about the recent updates of Accounting & Finance with special reference to Performance Management Concepts Strategic Level papers.

FINA3101	STOCK MARKET OPERATIONS	L	T	P	S	J	C
		4	0	0	0	0	4
Pre-requisite	Essentials of financial management						
Co-requisite	Trading basics						
Preferable exposure	None						

Course Description:

The course is designed to impart the knowledge on basic aspects of stock markets and their operations

Course Educational Objectives:

1. To make the student understand the significance of stock markets
2. To make the student understand the nature of stock markets

UNIT 1 Structured Markets 8 hours

Stock Exchange – Introduction – History of BSE, NSE – SCRA, 1957 – SEBI Act – Guidelines – Functions – Emerging role of SEBI Departments and Amendments – Dhanuka Committee Report – Recent amendments in the Capital market.

UNIT 2 Investors 10 hours

Types – Interests – QFI – NRI Investment – Speculative traders Vs. Genuine Investors – Types of Speculators – OTCEI – IPF-Specified Groups

UNIT 3 Listing on a Stock Exchange 10 hours

Introduction – Listing requirements – Eligibility – Listing agreements – SEBI guidelines on listing Department

UNIT 4 Stock Market Operations & Functions 6 hours

NSE Operations – Trading & Settlement – Brokers Charges – delivery/payment – Customers' Orders – J.S.Varma Report.

UNIT 5 Trading ring 8 hours

Contract Note – National trade comparison and reporting system – Central Depository System – NSDL – Depository Participants.

TextBooks:

1. Punithavathy Pandian, Security Analysis and Portfolio Management, Vikas Publishing House, New Delhi, 2010

References:

1. Dr. V.A. Avadhani, Security Analysis and Portfolio Management, Himalaya Publishing House, Mumbai, 2010

Course Outcomes:

On completing this course, the student will be able to:

- Students will enhance their knowledge in the structured secondary markets
- Students will analyze various types of investors and their approach
- Students will enhance their knowledge in the listing criteria and requirements of the companies
- Students will enhance their knowledge in various National level and regional level stock exchanges
- Students will enhance their knowledge in the regulations over the Capital market and various departments of SEBI

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PS01	PSO2	PSO3	PSO4
CO1	1	0	0	0	0	0	0	1	0		
CO2	1	2	0	1	0	0	0	1	1		
CO3	2	2	3	2	1	0	0	2	1		
CO4	3	2	2	1	1	0	0	2	1		
CO5	3	2	2	1	1	0	0	2	1		

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS : 1-02-2022

ACADEMIC COUNCIL: 01-04-2022

SDG No. & Statement:

GOAL 4: Quality Education

SDG Justification:

Quality Education: Students will be learning about the recent updates of Accounting & Finance with special reference to Performance Management Concepts Strategic Level papers.

LANG1081	SPECIAL ENGLISH	L	T	P	S	J	C
		3	0	0	0	0	3
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

COURSE OBJECTIVES

- Understand and appreciate different literary genres.
- Recognize and analyse the main elements of different literary genres particularly short stories, essays, and poetry.
- Demonstrate in written and oral form both the comprehension and the analysis of literary texts (poetry, prose, short stories and essays)
- Appreciate and apply stylistic differences while communicating in a contemporary context for different purposes
- Create reasonably professional scripts with correct and varied usage of grammatical structures and punctuation for accurate communication of ideas

UNIT -I

Poetry

1. The Road Not Taken by Robert Frost
2. The Walrus and the Carpenter by Lewis Carroll
3. Captain! My Captain! by Walt Whitman
4. Sonnet 'No-60'-William Shakespeare
5. "The Sun Rising" by John Donne

UNIT-II

Short Stories

1. My Financial Career -Stephen Leacock
2. A Story from Confucius- Confucius
3. The Barber's Trade Union-Mulk Raj Anand
4. An Occurrence at Owl Creek Bridge by Ambrose Bierce
5. The Story of an Hour by Kate Chopin

UNIT-III

Essays

1. "A Hanging" – George Orwell
2. "Self-Reliance"-Ralph Waldo Emerson
3. "Attitude"- Margaret Atwood
4. "The Responsibility of Intellectuals"- Noam Chomsky
5. "Letter To His 10-Year-Old Daughter- Richard Dawkins

UNIT-IV:

Contemporary Issues

1. "The Globalization of Inequality"- P. Sainath
2. "Words from an Open Mind to a Closed or Sealed One"- Ramachandra Guha
3. "The idea of India" - Aruna Roy
4. "Why not a separate UN Charter on Casteism?"- K. Balagopal
5. "The root cause of corruption" -Tabish Khair

UNIT-V:

Coursera Courses:

- Advanced Grammar & Punctuation Project (UCI Division of Continuing Education) 20 hours
- Advanced Writing (UCI Division of Continuing Education) 26 hours

COURSE OUTCOMES

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

1. Recognize and incorporate proper grammar and other mechanics of language in one's communication acts.(L1, L3)
2. Demonstrate an understanding of the distinct literary characteristics of poetry, short story and essay as literary genres (L2)
3. Analyze and effectively communicate ideas related to the prescribed literary genres for their structure and meaning, using correct terminology. (L3,L4)
4. Write paragraphs, essays and reviews with the complexity considered appropriate for the undergraduate level (L3,L5)
5. Analyze, describe, and debate the complexities of globalization, situating own reading in terms of society, religion, caste, region, gender, and politics (L3, L4)

LANG1091	HINDI	L	T	P	S	J	C
		3	0	0	0	0	0
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description: This course contains a rich selection from Hindi poetry and prose. Grammar and translations from official language are also included.

COURSEOBJECTIVES

- 1) To enlighten students about the richness and value of the national language
- 2) To offer working knowledge of Hindi to the students.

SYLLABUS

गद्यविभाग (Prose Detailed Text)

- | | |
|-----------------------------|---------------------------------|
| 1. बाजारदर्शन | - श्रीजैनेंद्रकुमार |
| 2. ईर्ष्या, तूनगई मेरे मनसे | - रामधारीसिंह दिनकर |
| 3. आपने मेरी रचना पढ़ी? | - हज़ारी प्रसाद द्विवेदी |
| 4. भारतीय साहित्य की एकता | - नन्ददुलारे वाजपेयी |
| 5. अतिथि | - रामविलास शर्मा |
| 6. मेरी रुमाल खो गई | - विद्यानिवास मिश्र |
| 7. कवि और कविता | - आचार्य महावीर प्रसाद द्विवेदी |
| 8. सोनाहिरनी | - महादेवी वर्मा |
| 9. कफ़न | - मुंशी प्रेमचन्द |

उपवाचकविभाग (Non Detailed Text)

- | | |
|--------------------|------------------------|
| 1. पुरस्कार | - जयशंकर प्रसाद |
| 2. हार | - मन्नू भंडारी |
| 3. सदाचार का तावीज | - हरिशंकर परसाई |
| 4. आदमी का बच्चा | - यशपाल |
| 5. हार की जीत | - सुदर्शन |
| 6. ठाकुर का कुआँ | - मुंशी प्रेमचन्द |
| 7. उसने कहा था | - चंद्रधर शर्मा गुलेरी |
| 8. रोज | - अज्ञेय |
| 9. चीफ की दावत | - भीष्म साहनी |

व्याकरणविभाग

I. निर्देशके अनुसार वाक्यों को बदल कर लिखिए (Rewriting of sentences as directed)

1. कारक (case)
2. लिंग (gender)
3. वचन (number)
4. वाच्य (voice)

II. शुद्ध कीजिए (correction of sentences)

1. चाहिए प्रयोग
2. लिंग और वचन संबंधी

III. वाक्यप्रयोग (make your own sentences)

IV. कार्यालयहिंदी: प्रशासनिक

शब्दबली / परनाम (karyalay Hindi : Administrative terminology)

1. कार्यालयो केनाम

2. पदनाम

V. संधिविच्छेद

VI. विलोमशब्द

VII. पत्रलेखन

VIII. गंधाशके आधारपरदिणयेप्रश्नोकाउत्तरदेनाचाहिए

VIII. निबंध

COURSE OUTCOMES

- 1) The student learns reading and writing Hindi
- 2) Understands and learns proper use of Grammar
- 3) Develops communication Skills.

TEXTBOOK

1. Prose Text: Dr. Ajaya Kumar Patnaik, **Gadya Gaurav**, Sonam Prakashan, Badamdadi, Cuttack.
2. Non-Detailed Text: Dr. Gulam Moinuddin Khan, **Charchit Kahaniyan**, Shabnam Pustak Mahal, Badamdadi, Cuttack. Text: Dr. T. Nirmala & Dr. S. Mohan, Padya Manjari, Rajkamal Prakashan, New Delhi. * Latest Editions

LANG1101	SANSKRIT	L	T	P	S	J	C
		3	0	0	0	0	3
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

This course contains a rich selection from Sanskrit language and literature.

COURSE OBJECTIVES

1. To enlighten students about the richness and value of the classical language
2. To offer working knowledge of Sanskrit to the students.

SYLLABUS

POETRY:

Lesson No. 1 Saranagathi

From Valmiki Ramayanam
Yuddhakanda 17th Canto
Slokas 11 – 68

Lesson No. 2 Ahimsa Paramodharmah

From Srimadbharatam,
Adiparva 8th chapter Sloka 10
– to the end of 11 Chapter

Lesson No. 3 Raghoh Audaryam

From Raghuvamsa 5th Canto 1 – 35 Slokas

PROSE :

Lesson No. 4 Mitrasampraptih

From Pancatantra – 1st Story (Abridged)

Lesson No. 5 Modern prose Chikroda katha

Andhra Kavya Kathah

By Sannidhanam Suryanarayana Sastry

Lesson No. 6 Computer Yanthram

By Prof. K.V. Ramakrishnamacharyulu

GRAMMAR

DECLENSIONS:

Nouns ending in Vowels:

Deva, Kavi, Bhanu Dhatr, Pitr, Go, Rama, Mati, Nadee,
Tanu, Vadhoo, Matr, Phala, Vari & Madhu

SANDHI:

Swara Sandhi : Savarnadeergha, Ayavayava, Guna, Vrddhi, Yanadesa

Vyanjana Sandhi : Scutva, Stutva, Anunasikadvitva, Anunasika, Latva,
Jastva

Visarga Sandhi: Visarga Utva Sandhi, Visargalopa Sandhi, Visarga
Repha Sandhi, Ooshma Sandhi

SAMASA :

1. Dwandwa
2. Tatpurusha (Common)
 - (2a) Karmadharaya
 - (2b) Dwigu
 - (2c) Paradi Tatpurusha
 - (2d) Gatitaturusha
 - (2e) Upapada Tatpurusha
3. Bahuvrihi
4. Avyayibhava

CONJUGATIONS

Ist Conjugations – Bhoo, Gam, Shtha, Drhs Labh, Mud,

IIInd Conjugation – As ()

IIIrd Conjugation – Yudh,

IV th Conjugation – Ish

VIII Conjugation – Likh, Kri ()

IXth Conjugation – Kreen ()

Xth Conjugation – Kath, Bhash, Ram, Vand,

COURSE OUTCOMES

1. The student learns reading and writing Sanskrit
2. Understands and learns proper use of Grammar
3. Develops communication Skills.

LANG1111	TELUGU	L	T	P	S	J	C
		3	0	0	0	0	3
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

INTRODUCTION

This course contains a rich selection from Telugu language and literature.

COURSE OBJECTIVES

- 1) To enlighten students about the richness and value of the regional language
- 2) To offer working knowledge of Telugu to the students.

Syllabus

పాఠ్యాంశ వివరణ:

1. నన్నయ - గవంగాళవంతులకథ
ఆవంధ్రమహాభారతవం- ఆదిపర్వం- నాల్గవఅశ్వాసం(120-165) "నరనరుడగుశవంతునకు" వండి
"దివ్యభూషణాలవంకృత" వరకు
2. తిక్కన - మూషికమార్గాలవృత్తవంతులవంతుల
ఆవంధ్రమహాభారతవం- శ్వంతిపర్వం - డవఅశ్వాసం(202 - 242) అడవిలనొకమట్టి నువండిసౌఖ్యము బవందెన్.
3. అల్లసానిపెద్దన - హవంసీచక్రవాకసవంతులవంతుల
మనుచరిత్రము- ఆరవఅశ్వాసం(62-68) "గవంగాతరవంగిణి"
నువండి"జవంభారిభిదురసవంతులవంతుల" వరకు
4. తరిగవండవవంగమావంబ - ఎఱుకతశీవవంతులచలమాహాత్మ్యంఅశ్వాసం(4-51)
"వకుళనునేనావివాహప్రయత్నవంబు" వండి"అనియిట్ల" వరకు ఆధునికకవిత్వం
5. గరిమెళ్ళసత్యనార్యణ - మాకొదోదతెల్లదొరతనము
6. శ్రీశ్రీ - మహాప్రసాధానవం
7. జాషువ - ముసాపరులు
8. పుట్టపరీతనార్యణాచార్యులు - మేఘదూతముకథానికలు
9. పాలగుమ్మపద్మర్థు - గాలివాన
10. కొలకటూరిజనాక్ - ఆకలి
11. కేతువిశ్వాధరెడిడి - నమ్మకున్ననేల
12. పాల్లపల్లెలర్మారు - జైలువయకరణవం
13. సవంతులు - సవర్ణద్వ, గుణ, యణాదేశ, వృద్ధి, త్రిక, గ, స, డ, దవాదేశ, రుగాగమ, ధ్వాగమ, ఆమరేడిత, ఆత్మవంధిమొదలైనవి.
14. సమాసాలు - తత్పురుష, కర్మధారయ, ద్వంధ, దేగు, బహువ్రీహి. మొదలైనవి

COURSE OUTCOMES

- 1) The student learns reading and writing Telugu
- 2) Understands and learns proper use of Grammar
- 3) Develops communication Skills.

Programme Core

FINA1021	INTRODUCTION TO FINANCIAL MARKETS	L	T	P	S	J	C
		4	0	0	0	0	4
Pre-requisite	Introduction to Mutual funds						
Co-requisite	Fundamentals of Equities						
Preferable exposure	None						

Course Description:

A financial system plays a vital role in the economic growth of a country. It intermediates between the flow of funds belonging to those who save a part of their income and those who invest in productive assets. It mobilizes and usefully allocates scarce resources of a country. The existence of an efficient financial system facilitates economic activity and growth. The growth of financial structure is a precondition to economic growth. In other words, markets, institutions and instruments are the prime movers of economic growth. The financial system of a country diverts its savings towards more productive uses, so it helps to increase the economy's output.

The objective of this course is to make the students aware of the Indian Financial System and shed light on the role of financial markets in economic development. This course aims to develop students understanding of the basic principles of financial markets and introduces how financial assets are traded in those markets; this course allows the students to gather the key concepts on financial markets, their products, market participants, pricing risk. Analytical skills to understand the concepts related to the money market, stock market, derivatives market, financial statement analysis.

Course Educational Objectives:

- Describe constituents of the financial system and its role in economic growth
- Explain the operations and functioning of the primary market
- Explain the operations and functioning of secondary markets and clearing and settlement procedures
- To enable the student, understand the derivatives markets and their application
- Understand the quantitative and qualitative source of financial information's and apply various tools to analyze it

UNIT 1

Financial Markets and Instruments

10 hours

Financial Markets and Instruments: Types of Markets - Equity, Debt, Derivatives Commodities; Meaning and Features of Private and Public companies; Types of investment avenues.

UNIT 2 **Primary Market** **12 hours**

Primary Market: Initial Public Offer (IPO); Book Building through Online IPO; Eligibility to issue securities; Pricing of Issues; Fixed versus Book Building issues; allotment of Shares; Basis of Allotment, Private Placement.

UNIT 3 **Secondary Market** **12 hours**

Secondary Market: Role and functions Securities and Exchange Board of India (SEBI); Depositories; Stock exchanges;
Intermediaries in the Indian stock market Listing; Membership; Trading Clearing and settlement and risk management; Investor protection fund (IPF); and Do's and Don'ts for investors, Equity and debt investment

UNIT 4 **Derivative** **12 hours**

Derivatives –Types of derivatives; Commodity and commodity exchanges; Commodity versus financial derivatives. Learning Outcomes

UNIT 5 **Financial Statement Analysis** **14hours**

Financial Statement Analysis - Balance sheet; Profit & loss account; Stock market related ratios; Simple analysis before investing in the shares; understanding annual report; Director's report.

TextBooks:

1. Financial Markets and services by Gordon & Natarajan latest edition

References:

1. One up on Wall Street –Peter Lynch
2. The Intelligent Investor- Benjamin Graham
3. Rich Dad and Poor DAD- T. Kiyosaki

Course Outcomes:

On completing this course, the student will be able to:

- Demonstrate an understanding of financial markets and their role in economic development
- Describe equity raising terms, practices and intermediaries involved
- Understand the Role and functions of securities and Exchange Board of India (SEBI), depositories
- Demonstrate an understanding of Derivatives markets and their instruments
- Analyze the Financial statements such as Balance sheet and Profit and Loss account

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4
CO1	1	0	0	0	0	0	0	1	0	1	0
CO2	1	2	0	1	0	0	0	1	1	1	2
CO3	2	2	3	2	1	0	0	2	1	2	2
CO4	3	2	2	1	1	0	0	2	1	3	2
CO5	3	2	2	1	1	0	0	2	1	3	2

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :28-04-21

ACADEMIC COUNCIL: 01-04-22

SDG No. & Statement:4

GOAL 4: Quality Education

SDG Justification:

Quality Education: Students will be learning about the recent updates of Accounting & Finance with special reference to Performance Management Concepts Strategic Level papers.

UNIT 3

Clearing and Settlement

12 hours

Introduction, Key terminologies used in clearing and settlement process, Transaction cycle, Settlement agencies, Clearing and settlement process, Securities and funds settlement, Shortages handling, Risks in settlement, Risk management, International securities identification number, Data and report downloads

UNIT 4

Legal Framework Introduction

8 hours

Introduction to various legal framework such as SEBI (intermediaries) regulations, 2008, SEBI (prohibition of insider trading) regulations, 1992, SEBI (prohibition of fraudulent and unfair trade practices relating to, Securities market) regulations, 2003.

UNIT 5

Fundamental Valuation Concepts

8 hours

Time value of money

- Future Value of Single Cash Flow
- Future Value of Annuity
- Present Value of Single Cash Flow
- Present Value of Annuity
- Ratio Analysis (Basic)
- Current Ratio
- Acid Test Ratio
- Earnings Per Share (EPS)

TextBooks:

Capital Market Dealers Module – NSE India Ltd (NCFM Module)

References:

Capital Market Dealers Module – NSE India Ltd (NCFM Module)

Course Outcomes:

On completing this course, the student will be able to:

- Understand Indian Securities market
- Understand trading memberships
- Understand the concept of clearing and settlements
- Differentiate different legal frameworks
- Understand different fundamental valuation concepts

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PS01	PSO 2	PSO 3	PSO4
CO1	1	0	0	0	0	0	0	1	0	1	0
CO2	1	2	0	1	0	0	0	1	1	1	2
CO3	2	2	3	2	1	0	0	2	1	2	2
CO4	3	2	2	1	1	0	0	2	1	3	2
CO5	3	2	2	1	1	0	0	2	1	3	2

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:
BOS :28-04-21

ACADEMIC COUNCIL: 01-04-22

SDG No. & Statement:4

GOAL 4: Quality Education

SDG Justification:

Quality Education: Students will be learning about the recent updates of Accounting & Finance with special reference to Performance Management Concepts Strategic Level papers.

FINA3161	DERIVATIVE MARKET OPERATIONS	L	T	P	S	J	C
		4	0	0	0	0	4
Pre-requisite	capital market operations						
Co-requisite	None						
Preferable exposure	None						

Course Description:

The course is designed to impart the knowledge on derivate market operations, different types of derivative contracts etc.,

Course Educational Objectives:

make the students understand significance of derivatives and derivative market operations.

UNIT 1 Understanding Interest Rates and Stock Indices 8 hours

Types of Derivative Contracts, History of Financial Derivatives Markets, Participants in the Derivative Market, Economic Function of the Derivative Market.

UNIT 2 Trading Membership and Trading 12 hours

Understanding Interest rates, Understanding the Stock Index, Economic Significance of Index Movements Index Construction Issues, Desirable Attributes of an Index, Applications of Index.

UNIT 3 Futures Contracts 12 hours

Mechanism and Pricing Forward Contracts, Limitations of forward markets, Introduction to Futures, Distinction between Futures and Forwards Contracts, Futures Terminology, Trading Underling vs. Trading Single Stock Futures , Futures Payoffs, Pricing Futures, Pricing Stock Futures. Application of Futures Contracts, Understanding Beta, Numerical illustration of Applications of Stock Futures Options Contracts, Mechanism and Applications, Option Terminology, Comparison between Futures and Options, Options Payoffs, Application of Options.

UNIT 4 Pricing of Options 8 hours

Contracts and Greek Letters, Variables affecting Option Pricing, The Black- Scholes, Merton Model for Option Pricing (BSO), The Greeks, Trading of Derivatives Contracts. Futures and Options Trading System, The Trader Workstation, Futures and Options Market Instruments, Criteria for Stocks and Index Eligibility for Trading, Charges, Clearing and Settlement, Clearing Entities, Clearing Mechanism, Settlement Procedure, Risk Management, Margining System.

UNIT 5

Regulatory Framework

8 hours

Securities Contracts (Regulation) Act, 1956, Securities and Exchange Board of India Act, 1992, Regulation for Derivatives Trading, Adjustments for Corporate Actions. Accounting for Derivatives, Accounting for futures, Accounting for options, Taxation of Derivative Transaction in securities.

TextBooks:

1. C Hull and Sankarshan Basu , Options, Futures, and other Derivatives 9/e, Pearson.

References:

1. Sundaram Das, Derivatives Principles and Practice, 2017, McGraw Hill.

Course Outcomes:

On completing this course, the student will be able to:

1. Understand the derivative markets and different derivative contracts.
2. To analyze various types of derivative contracts.
3. Understand the trading of derivative contracts.
4. Understand the clearing and regulatory framework of derivative markets.

CO-PO Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS 01	PS 02	PS 03	PS 04
CO1	1	0	0	0	0	0	0	1	0	1	0
CO2	1	2	0	1	0	0	0	1	1	1	2
CO3	2	2	3	2	1	0	0	2	1	2	2
CO4	3	2	2	1	1	0	0	2	1	3	2
CO5	3	2	2	1	1	0	0	2	1	3	2

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :28-04-21

SDG No. & Statement:4

ACADEMIC COUNCIL: 01-04-22

GOAL 4: Quality Education

SDG Justification:

Quality Education: Students will be learning about the recent updates of Accounting & Finance with special reference to Performance Management Concepts Strategic Level papers.

FINA1051	INTRODUCTION TO MUTUAL FUNDS	L	T	P	S	J	C
		3	0	0	0	0	3
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

The course is designed to understand the fundamental features of mutual funds, their role and structure, various kinds of mutual fund schemes, and their characteristics. Students need to understand the nuances of mutual funds, the working of various schemes before they invest, get oriented to the legalities, accounting, valuation, and taxation aspects underlying mutual funds and their distribution. The students will be equipped with the required knowledge and skill to face the NCFM certification examination is intending to take.

Course Educational Objectives:

- Learn the concept, structure, advantages, and disadvantages of Mutual funds and know the role of AMC, the procedure for investing in New fund offering(NFO).
- Identify the various mutual fund schemes and schemes related information documents(SID) and evaluate NAV.
- Learn the features of debt funds and assess the risk related to various debt funds schemes.
- Understand the features of ETF, sovereign gold bonds and learn to analyze the concept of valuation of securities(very basic)
- Learn and understand the regulations, taxation, and KYC norms related to mutual fund investments.

UNIT 1 Introduction and Structure of Mutual Funds 7 hours

Concept, Advantages, Disadvantages and Structure of MF. Role of AMC, NFO and procedure for investing in NFO. Rights and Obligation of investor.

UNIT 2 Equity Funds 7 hours

Open ended and close ended Funds, Equity funds

- Equity funds introduction
- Index Funds – Introduction
- Large , Mid and Small CAP Funds Understanding
- Sectorial Funds
- ELSS – Equity linked saving schemes and other tax saving mutual fund
- Other Equity Funds

Scheme related and Information documents (SID and SAI)
NAV (concept), Expenses in relation to scheme, Expense ratio and Exit loads

UNIT 3 **Debt Funds** **10 hours**

Features, Credit and Interest Risk, Various Schemes Fixed Maturity Plans Capital Protection Funds
Funds Balanced Funds

UNIT 4 **ETF and Liquid Funds** **10 hours**

- Introduction and features of ETF, Introduction to Gold ETF, Sovereign Gold Bonds Liq Schemes
- Features
- Valuation of Securities (very basic)
- Floating rate scheme

UNIT 5 **Taxation, Regulations and others Taxation** **11 hours**

- Indexation – Capital gain tax (Concept)
- Indexation benefits
- Dividend Distribution Tax (Basic)

Regulations and others

- Objectives of AMFI
- What is
 - Systematic Investment Plan (SIP)
 - Systematic Transfer Plan (STP)
 - Systematic Withdrawal Plan (SWP)
- Choosing an Option
 - Growth Option
 - Dividend payout option
 - Dividend reinvestment option
- KYC requirements (Basic)
- NAV applicability

TextBooks:

1. NSE Study material – NCFM Mutual funds- A Beginner’s Module
2. Financial Markets and services by Gordon & Natarajan latest edition

References:

1. Financial institutions &markets by L.M.Bhole &Jitendra Mahakud latest edition
2. One up on Wall street –Peter Lynch
3. The Intelligent Investor- Benjamin Graham

Course Outcomes:

On completing this course, the student will be able to:

- Understand the concept of Mutual Funds
- Understand the different schemes offered by mutual funds.
- Understand various debt mutual fund schemes - Fixed maturity plans, capital protection funds, Gilt funds, balanced fund and others
- Analyze the concept of valuation of securities
- Understand Growth and Dividend options

CO-PO Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS 01	PS 02	PS 03	PS 04
CO1	1	0	0	0	0	0	0	1	0	1	0
CO2	1	2	0	1	0	0	0	1	1	1	2
CO3	2	2	3	2	1	0	0	2	1	2	2
CO4	3	2	2	1	1	0	0	2	1	3	2
CO5	3	2	2	1	1	0	0	2	1	3	2

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :28-04-21

ACADEMIC COUNCIL: 01-04-22

SDG No. & Statement:4

GOAL 4: Quality Education

SDG Justification:

Quality Education: Students will be learning about the recent updates of Accounting & Finance with special reference to Performance Management Concepts Strategic Level papers.

HRMG3041	EMPLOYMENT LAWS	L	T	P	S	J	C
		3	0	0	0	0	3
Pre-requisite	None						
Co-requisite	None						
Preferable exposure	None						

Course Description:

To promote Industrial Harmony and better Employment relations between Employer and Employees, the government always updates the rules and regulations for various organizations from time to time as it helps every community grow together. Accordingly, it is essential to know about modernized governmental policies and rules. Therefore, if any business wants to work without hurdles, an entrepreneur, Human Resource Department should be up to date with employment laws. The first thing to know about employment law is which laws apply to a particular business. Not all laws apply to all employers. Therefore, HR managers need to understand applicable employment laws to protect the rights of their employees. In the process, HR managers can help their companies avoid lawsuits, fines, and legal expenses. It is not uncommon for Human Resource management trainees to ignore the importance of learning about employment laws during their training. As a result, they enter the corporate world without having a thorough understanding of the various employment laws and the role of legal professionals in establishing and running harmonious relations and ventures.

Course Educational Objectives:

- To provide an understanding of the concepts of employment Laws
- To impart knowledge to analyse the various employment Laws in India.
- To evaluate the function of employment laws in Industrial Organizations.
- To analyse the Cases and the Judgments of Supreme Court and High court
- To apply the various sections of the Acts to solve case discussions.

UNIT 1 7 hours

Labour Legislation: Principles of Labour Legislation, role of ILO and Indian Constitution.

UNIT 2 10 hours

The Factories Act, 1948.

UNIT 3 9 hours

The Industrial Disputes Act, 1947, The Industrial Employment (Standing Orders) Act, 1946.

UNIT 4 10 hours

The Payment of Bonus Act, 1965, The Minimum Wages Act, 1948

UNIT 5 9 hours

The Employees State Insurance Act, 1948, The Employees Compensation Act, 1923, The Payment of Gratuity Act, 1976

TextBooks:

- 1-Singh B.D (2014), *Labour Laws for Managers*, New Delhi: Excel Books.
- 2- Padhi, P.K., "Labor and Industrial Laws", Prentice Hall of India, New Delhi, 2018

References:

- 1-Singh B.D., "Labor Laws for Managers", Excel Books, New Delhi, 2014
- Malik P. L., "Industrial and Labor Laws", Eastern Book Company, 2013
- Mishra S.N., "Labor and Industrial Laws", Central Law Publication, 2012

Course Outcomes:

1. Understand the evolution of Cases and Sections.
2. Understand the Judgments of High courts and the Supreme Court.
3. Understand the role and Mechanism of Regulatory Bodies.
4. Understand the Applicability of the Act in Industrial Organizations.
5. Understand and Apply the Legal Case Studies.

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PS01	PSO 2	PSO 3	PSO 4
CO1	1	1	1	2	1	0	2	3	1	0	0
CO2	1	2	1	3	1	1	1	2	1	1	0
CO3	2	1	2	2	1	0	1	0	1	1	0
CO4	2	1	2	1	1	1	3	2	0	1	0
CO5	1	2	1	3	1	1	1	2	1	1	0

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :28-04-21

ACADEMIC COUNCIL: 01-04-22

SDG No. & Statement:

8 Decent Work and Economic Growth

SDG Justification:

FINA3121	COMMODITIES MARKET ANALYSIS	L	T	P	S	J	C
		4	0	0	0	0	4
Pre-requisite	Derivative market analysis						
Co-requisite	None						
Preferable exposure	None						

Course Description:

The course is designed to impart the knowledge on derivate market operations, different types of derivative contracts etc.,

Course Educational Objectives:

make the students understand significance of derivatives and derivative market operations.

UNIT 1 Introduction to Derivatives 9 hours

Introduction to Derivatives; types, Products, participants and functions; Exchange–traded versus OTC derivatives

UNIT 2 Application of Futures & Options 9 hours

Types of instruments (future, options)-Basics and Payoffs; Pricing commodity derivatives; Hedging, Speculation and Arbitrage

UNIT 3 Commodity Derivatives 9 hours

Difference between commodity and financial derivatives; Global and Indian commodities exchanges; Evolution of commodity market in India.

UNIT 4 NCDEX Platform, Structure of NCDEX 9 hours

Exchange membership; Capital requirements; Commodities traded on NCDEX platform; Instruments available for trading; Pricing of commodity futures; Trading; Clearing, Settlement and Risk Management; Use of commodity futures in hedging, speculation and arbitrage.

UNIT 5 Regulatory Framework 9 hours

Taxation aspect, Rules governing commodity derivatives exchanges; Intermediaries, Investor grievances and arbitration, Implications of sales tax

TextBooks:

1. S. L. Gupta, Financial Derivatives : Theory, Concepts And Problems, 2017, Prentice Hall

References:

1. Rajeev Srivastava (2014), Derivatives and Risk Management, New Delhi, Oxford Publishing.
2. Jayanth Varma (2008), Derivatives and Risk Management, New Delhi: The Mc-Graw Hill Publishing Co. Ltd.

Course Outcomes:

On completing this course, the student will be able to:

1. Understand the commodities derivative markets,
2. Understand different commodity derivative contracts.
3. To analyze various types of commodity derivative contracts.
4. Understand the trading of commodity derivative contracts.
5. Understand the clearing and regulatory framework of commodity derivative markets.

CO-PO Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS 01	PS 02	PS 03	PS 04
CO1	1	0	0	0	0	0	0	1	0	1	0
CO2	1	2	0	1	0	0	0	1	1	1	2
CO3	2	2	3	2	1	0	0	2	1	2	2
CO4	3	2	2	1	1	0	0	2	1	3	2
CO5	3	2	2	1	1	0	0	2	1	3	2

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :28-04-21

ACADEMIC COUNCIL: 01-04-22

SDG No. & Statement:4, 16

GOAL 4: Quality Education

GOAL 16: Peace and Justice Strong Institutions

SDG Justification:

Quality Education: Students will be learning about the recent updates of Accounting & Finance with special reference to Performance Management Concepts Strategic Level papers.

TextBooks:

1. Gupta, Financial Analysis: Theory, Concepts and Problems, 2017, Prentice Hall India.

References:

1. Rajeev Srivastava (2014), Market analysis, New Delhi, Oxford Publishing.
2. Jayanth Varma (2008), Derivatives and Risk Management, New Delhi: The Mc-Graw Hill Publishing Co. Ltd.

Course Outcomes:

On completing this course, the student will be able to:

1. Understand the fundamental analysis,
2. Understand financial statement analysis.
3. To analyze financial information various ratios.

CO-PO Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS 01	PS 02	PS 03	PS 04
CO1	3		1	1			0	0	0	3	
CO2	3		2				0	0	1	3	
CO3	3		2				0	1	1	3	
CO4	2			2		3	0	0	1	2	
CO5		3			2	2	0	1	1		3

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :28-04-21

ACADEMIC COUNCIL: 01-04-22

SDG No. & Statement:4

GOAL 4: Quality Education

SDG Justification:

Quality Education: Students will be learning about the recent updates of Accounting & Finance with special reference to fundamental analysis

FINA2101	Introduction to Currency Derivatives	L	T	P	S	J	C
		4	0	0	0	0	4
Pre-requisite	Introduction to mutual funds						
Co-requisite	Global Financial Markets and Instruments						
Preferable exposure	None						

Course Description:

Currency derivatives are contracts to buy or sell currencies at a future date. The major types of currency derivatives are forward contracts, futures contracts, options and swaps

Course Educational Objectives:

- create a common minimum knowledge benchmark for persons working in the currency derivative segment
- to enable a better understanding of currency markets and exchange traded currency derivatives products, better quality investor service, operational process efficiency and risk controls.

UNIT 1 Derivatives as a Risk Management Tool 8 hours

Concept of risk; Risk management; Types of traders in the derivatives markets

UNIT 2 Currency Markets Exchange rate 10 hours

Fixed and floating exchange rate regime; Factors affecting Concept of quotes; Tick-size Spreads; Spot transaction and forward transaction. Currency Futures Forward contracts; Futures contracts; Pricing of futures contracts.

UNIT 3 Strategies 8 hours

Strategies using Currency Futures Hedging, speculation, and arbitrage in currency futures

UNIT 4 NSE's Currency Derivatives 8 hours

Segment Product definition; Trading underlying versus trading futures; Uses of currency futures at NSE

UNIT 5 Trading, Clearing, 6 hours

Settlement and Risk Management Membership; Future contract specifications; Trading system; The trader workstation; Basis of trading; Client-Broker relationship in derivatives segment; Clearing entities; Position limits; Margins; Settlement of contracts.

Textbook:

1. Currency Derivatives: Pricing Theory Exotic Options and Hedging Applications by Edited by David F. Derosa, John Wiley & Sons Inc
2. An Introduction to Derivative Securities, Financial Markets by Robert A. Jarrow Arkadev Chatterjea

Course Outcomes:

On completing this course, the student will be able to:

- Know the basics of currency markets and specifically Exchange Traded Currency Derivatives markets.
- Understand the trading, clearing and settlement mechanisms related to Exchange Traded
- Currency Derivatives markets and basic investment strategies that use currency futures and options products.
- know the regulatory environment in which the Exchange Traded Currency Derivatives markets operate in India.

CO-PO Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS 01	PS 02	PS 03	PS 04
CO1	1	0	0	0	0	0	0	1	0	1	0
CO2	1	2	0	1	0	0	0	1	1	1	2
CO3	2	2	3	2	1	0	0	2	1	2	2
CO4	3	2	2	1	1	0	0	2	1	3	2
CO5	3	2	2	1	1	0	0	2	1	3	2

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :28-04-21

ACADEMIC COUNCIL: 01-04-22

SDG No. & Statement:4

[GOAL 4: Quality Education](#)

SDG Justification:

Quality Education: Students will be learning about the recent updates of Accounting & Finance with special reference to Performance Management Concepts Strategic Level papers.

FINA3151	TECHNICAL ANALYSIS	L	T	P	S	J	C
		4	0	0	0	0	4
Pre-requisite	Fundamental Valuation						
Co-requisite	None						
Preferable exposure	None						

Course Description:

Technical analysis is a trading discipline employed to evaluate investments and identify trading opportunities by analyzing statistical trends gathered from trading activity, such as price movement and volume. Unlike fundamental analysis, which attempts to evaluate a security's value based on business results such as sales and earnings, technical analysis focuses on the study of price and volume

Course Educational Objectives:

- This course is designed to equip the students about fundamentals of technical analysis.

UNIT 1 INTRODUCTION TO TECHNICAL ANALYSIS 8 hours

What is technical analysis? Price discounts everything, Price movements are not totally random
 Technical Analysis: the basic assumption Strengths and weakness of technical analysis,
 Importance of technical analysis Weaknesses of technical analysis

UNIT 2 CANDLE CHARTS 10 hours

, The charts Candlestick analysis, One candle pattern, Hammer Hanging man, Shooting star and inverted hammer Two candle pattern, Bullish engulfing Bearish engulfing Piercing, Bearish Harami Bullish Harami, Three candle pattern, Evening star Morning star, Doji, PATTERN STUDY-What are support and resistance lines Support Resistance, Why do support and resistance lines occur? Support and resistance zone, Change of support to resistance and vice versa Why are support and resistance lines important?, Head and shoulders Head and shoulders top reversal Inverted head and shoulders Head and shoulders bottom Double top and double bottom, Double top Double bottom, Rounded top and bottom, Gap theory Common gaps, Breakaway gaps Runaway/continuation gap Exhaustion gap, Island cluster

UNIT 3 MAJOR INDICATORS & OSCILLATORS 10 hours

What does a technical indicator offer?
 Why use indicator?, Tips for using indicators Types of indicator Simple moving average, Exponential moving average Which is better?, Trend following indicator When to use?, Moving average settings, Uses of moving average, Signals - moving average price crossover Signals - multiple moving averages Oscillators, Relative strength index, What is momentum? Applications of RSI Overbought and oversold Divergence, Stochastic William %R, Real life problems in use of RSI Advanced concepts, Moving average convergence/ divergence(MACD), What is the MACD and how is it calculated MACD Benefits, uses of MACD, Money Flow Index Bollinger Bands, Using

multiple indicators for trading signals Price sensitive technique, Volume sensitive techniques Composite methods, How to use tool kit of trading techniques Trading market tool kit applications, Bull market tool kit application Bear market tool kit application, Trading market changing to bull market tool kit application Trading market changing to bear market tool kit application Bull market changing to trading market tool kit application Bear market changing to trading market tool kit application

UNIT 4

TRADING STRATEGIES

8 hours

Day trading, Advantages of day trading, Risks associated with risk day trading Strategies, Strategies for day trading Momentum trading strategies.

DOW THEORY AND ELLIOT WAVE THEORY- Introduction-Principles of Dow Theory Significance of Dow Theory Problems with Dow Theory Elliot Wave, Introduction Fundamental Concept After Elliott

UNIT 5

TRADING PSYCHOLOGY AND RISK MANAGEMENT

6 hours

Introduction, Risk Management, Components of risk management Stop loss, Analyze reward risk ratio Trail stop loss, Booking Profit Uses of stop loss, Qualities of successful trader Golden rules of traders, Do's and don'ts in trading, Rules to stop losing money Choosing the right market to trade, Importance of discipline in trading.

TextBooks:

1. John J. Murphy, Technical Analysis of the Financial Markets
2. Adam Germins, The Art and Science of Technical Analysis
3. Martin J. Pring Technical Analysis Explained

References:

1. Shabbir Bhimami Right –Stock Price Time

Course Outcomes:

On completing this course, the student will be able to:

1. Understand the concept of technical analysis
2. Prepare Candle Charts
3. Differentiate major indicators and oscillators
4. Explain trading strategies
5. Understand trading psychology

CO-PO Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS 01	PS 02	PS 03	PS 04
CO1	1	0	0	0	0	0	0	1	0	1	0
CO2	1	2	0	1	0	0	0	1	1	1	2
CO3	2	2	3	2	1	0	0	2	1	2	2
CO4	3	2	2	1	1	0	0	2	1	3	2
CO5	3	2	2	1	1	0	0	2	1	3	2

Note: 1 - Low Correlation 2 - Medium Correlation 3 - High Correlation

APPROVED IN:

BOS :28-04-21

ACADEMIC COUNCIL: 01-04-22

SDG No. & Statement:4

[GOAL 4: Quality Education](#)

SDG Justification:

Quality Education: Students will be learning about the recent updates of Accounting & Finance with special reference to Performance Management Concepts Strategic Level papers.