22UHS124C		CREDIT-01
HRS/WEEK: 1:0:0	**COMMUNICATIVE ENGLISH**	**CIE MARKS:50**
TOTAL HOURS: 15HRS		**SEE MARKS:50**

Course Objectives:

1. To know about Fundamentals of Communicative English and Communication Skills in general.
2. To train the students and identify the nuances of phonetics, intonation and enhance pronunciation skills for better Communication skills.
3. To impart basic English grammar and essentials language skills.
4. To enhance with English vocabulary and language proficiency for better communication skills.
5. To learn about Techniques of Information Transfer through presentation.

UNIT-I	3Hrs

Introduction to Communication Skills: Fundamentals of Communicative English, Process of Communication, Barriers to Effective Communicative English, Different styles and levels in Communicative English. Interpersonal and Intrapersonal Communication Skills.

UNIT–II	4Hrs

Introduction to Phonetics: Phonetics & its importance, Phonetic Transcription, Pronunciation Guidelines Related to consonants and vowels, Sounds Mispronounced, Silent and Non silent Letters, Syllables & Structure, Word Accent and Stress Shift, Intonation, Spelling Rules & Words often Missspelt. Common Errors in Pronunciation.

Basic English Grammar and Vocabulary PART-I: Introduction to English Grammar, Parts of Speech.

UNIT-III	4Hrs

Basic English Grammar and Vocabulary PART - II: Articles & Preposition, kinds of Preposition and Prepositions often Confused. Articles: Use of Articles – Indefinite and Definite Articles, Verbs & Tenses, Types of tenses, Question Tags, Question Tags for Assertive Sentences (Statements)–Some Exceptions in Question Tags. One Word Substitutes. Strong and Weak forms of words, Word formation- Prefixes and Suffixes, Contractions and Abbreviations.

UNIT- IV	4Hrs

Communication Skills for Employment: Information Transfer & Its types: Oral Presentation & Extempore/Public Speaking, Difference between Extempore/Public Speaking, Communication Guidelines for Practice. Mother Tongue Influence (MTI)–South Indian Speakers, Various Techniques for Neutralization of Mother Tongue Influence.

ReferenceBooks

1. Infinite Learning Solutions "A Text book of English Language Communication Skills" (RevisedEdition) 2021.
2. Sanjay Kumar and Pushpalata "Communication Skills", Oxford University Press- 2019.
3. N.P. Sudharshana and C.Savitha, "English for Engineers", Cambridge University Press-2018.
4. DPraveen Sam, KN Shoba, "A Course in Technical English", Cambridge University Press-2020.
5. Gajendra Singh Chauhan and Etal, "Technical Communication",Cengage learning India Pvt Limited-2019.
6. English Language Communication Skills– Lab Manual cum Workbook, Cengage learning India Pvt.Limited -2019.

Course Outcomes

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

CO1: Apply the Fundamentals of Communicative English in their communication skills.

CO2: Identify the nuances of phonetics, intonation and enhance pronunciation skills.

CO3: Practice Basic English grammar skills and utilize essential language skills as per requirement.

CO4: Build and use all types of English vocabulary and language proficiency.

CO5: Solve the hindrances faced by (MTI) - Mother Tongue Influence.

Course Outcomes	ProgrammeOutcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
CO1	-	-	-	-	-	-	-	-	-	3	-	-
CO2	-	-	-	-	-	-	-	-	-	3	-	-
CO3	-	-	-	-	-	-	-	-	-	3	-	-
CO4	-	-	-	-	-	-	-	-	-	3	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	3

22UHS125C/22UHS225C	CONSTITUTION OF INDIA	CREDIT-01
HRS/WEEK: 1:0:0		CIE MARKS:50
TOTAL HOURS: 15HRS		SEE MARKS:50

Course Objectives:

1. To realize the significance of constitution of India to students from all walks of life and help them to understand the basic concepts of Indian constitution.
2. To identify the importance of fundamental rights as well as fundamental duties.
3. To understand the functioning of Union and State Governments in Indian federal system.
4. To review procedure and effects of emergency, composition and activities of election commission.

UNIT–I	04Hrs

Introduction to Indian constitution: The Salient Features of the Indian Constitution. Preamble to the Constitution of India. Fundamental Rights, Directive Principles of State policy and Fundamental Duties**.**

UNIT–II	04Hrs

The Union Government: The Union Executive, The Union Legislature and The Union Judiciary-The Supreme Court of India.

UNIT–III	04Hrs

The State Government: The State Executive, The State legislature and The State Judiciary

UNIT–IV	03Hrs

 Election provisions, Emergency provisions and Amendment of the constitution**.**

Reference Books

1. M.V.Pylee, "Introduction to the Constitution of India",Vikas publication,4thEdition2005.
2. Durga Das   Basu (D.D.Basu),"Introduction to the constitution of India", (Student Edition), Prentice-Hall EEE,19th edition,2008.
3. Venkatesh B.R.and Merunandan K.B,'An introduction to the constitution of India and Profession Ethics', Idea International Publication, Bangalore,2010.
4. K.R.Phaneesh, 'The Constitution of India and Profession of Ethics', Sudha Publication, Bangalore, 2010.

CourseOutcomes

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

CO1: Analyse the significance of Indian Constitution as the fundamental law of the land.

CO2: Exercise his/her fundamental rights in proper sense at the same time identifies his/her responsibilities in national building.

CO3: Asses the Indian political system, the powers and functions of the Union and StateGovernments.

CO4: Elaborate Electoral Process, Emergency provisions and Amendment procedure.

CourseOutcomes	Programme Outcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
CO1	-	-	-	-	-	1	1	-	-	-	-	1
CO2	-	-	-	-	-	3	1	-	-	-	-	2
CO3	-	-	-	-	-	1	1	-	-	-	-	1
CO4	-	-	-	-	-	-	-	-	-	-	-	1

22UHS128C/22UHS228C	SCIENTIFIC FOUNDATIONS OF HEALTH	CREDIT-01
HRS/WEEK: 1:0:0		**CIE MARKS:50**
TOTAL HOURS:15HRS		**SEE MARKS:50**

Course Objectives:
1. To know about Health and wellness (and its Beliefs) & It's balance for positive mindset.
2. To build the healthy life styles for good health for their better future.
3. To Create a Healthy and caring relationships to meet the requirements of good/social/positive life.
4. To learn about avoiding risks and harmful habits in their campus and outside the campus for their bright future.
5. To Prevent and fight against harmful diseases for good health through positive mindset.

UNIT–I	4Hrs

Good Health and Its balance for positive mindset: What is Health? Health and Behaviour.
Health and Personality- Profession: Disparities of health in different vulnerable groups. Stress and Health-Stress management.

UNIT–II	4Hrs

Building of healthy lifestyles for better future: Developing a healthy diet for good health, Fitness components for health, Wellness and physical function, How to avoid exercise injuries?
Creation of Healthy and caring relationships: Building communication skills (Listening and speaking), Changing health behaviours through social engineering.

UNIT–III	4Hrs

Avoiding risks and harmful habits: Characteristics of health compromising behaviors, Recognizing and avoiding of addictions, Effects and health hazards from addictions Such
As how to recovery from addictions.

UNIT–IV	3Hrs

Preventing and fighting against diseases for good health: Process of infections and reasons for it, Management of chronicillness for Quality of life, Health and Wellness of youth.

Reference Books

1. Charles Abraham, Mark Conner, Fiona Jones and Dary lO'Connor, Health Psychology (2ndedition) Published by Routledge 711ThirdAvenue,NewYork,NY10017.
2. Health Psychology - A Textbook, 4th edition by Jane Ogden McGraw Hill Education (India) Pvt.Ltd.- Open University Press
3. Scientific Foundations of Health (Health & Wellness)-General Books published for university and colleges references by popular authors and published by the reputed publisher.
4. Shelley E. Taylor, Health Psychology (Ninth Edition),University of California, Los Angeles, McGraw Hill Education (India) Private Limited- Open University Press
5. **SWAYAM / NPTL/ MOOCS/ We blinks/ Internet sources/ YouTube videos** and other materials/ notes

Course Outcomes

At the end of the course student will be able to,
CO1: Understand concepts of Good Health and wellness (and its Beliefs).
CO2: Demonstrate the abilities to build healthy, caring relationships and lifestyle.
CO3: Adopt the innovative & positive methods to avoid risks from harmful habits in their campus &outside the campus.
CO4: Exhibit the abilities to fight against harmful diseases.

Course Outcomes	Programme Outcomes											
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
CO1	-	-	-	-	-	1	-	-	-	-	-	-
CO2	-	-	-	-	-	2	-	-	-	-	-	-
CO3	-	-	-	-	-	3	-	-	-	-	-	-
CO4	-	-	-	-	-	3	-	-	-	-	-	-

22UHS129C/22UHS229C HRS/WEEK:1:0:0 TOTALHOURS:15HRS	INNOVATION AND DESIGN THINKING	CREDIT-01 CIE MARKS:50 SEE MARKS:50

Course Objectives:
1. To explain the concept of design thinking for product and service development.
2. To explain the fundamental concept of innovation and design thinking.
3. To discuss the methods of implementing design thinking in the real world.

UNIT-I	3Hrs

Understanding Design thinking:
Introduction about the design thinking, steps in Design Thinking Empathize, Design, Ideate, Prototype and Test, Explore presentation signers across globe–MV Por Prototyping.

UNIT–II	4Hrs

Tools for Design Thinking: Importance of tools for design thinking, Visualization, Journey mapping, Value chain analysis, Mind mapping, Rapid concept development, Assumption testing,
  Prototyping, Customer co-creation, Learning launches, Storytelling.

UNIT–III	4Hrs

Design Thinkingin IT:
Agile inVirtual collaboration environment– Scenario based Prototyping.
DT For strategic innovations: Growth–Story telling representation, predictability –Strategic Foresight, Change–Sense Making,

UNIT–IV	4Hrs

Design Thinkingin IT:
Agile in Virtual collaboration environment–Scenario based Prototyping.
DT For strategic innovations: Growth–Story telling representation, predictability- Strategic Foresight, Change–Sense Making,

Reference Books

1. JohnR.Karsnitz, Stephen O'Brien and JohnP. Hutchinson, "Engineering Design", Cengage learning (International edition) 2nd edition,2013.
2. RogerMartin, "The Design of Business: Why Design Thinking is the Next Competitive Advantage", Harvard Business Press,2009.
3. Hasso Plattner,Christoph Meine land Larry Leifer (eds),"Design Thinking: Understand– Improve–Apply", Springer,2011
4. IdrisMootee, "Design Thinking for Strategic Innovation: What They Can't Teach You at Business or Design School", JohnWiley & Sons2013.
5. YousefHaik and Tamer M.Shahin, "Engineering Design Process", Cengage Learning, 2nd edition,2011.

Course Outcomes

At the end of the course student will be able to,
CO1: Demonstrate the knowledge and concepts of design thinking.
CO2: Analyze various tools of design thinking and use an appropriate tool for design thinking.
CO3: Describe the role of design thinking in IT industry.
CO4: Demonstrate design thinking solutions to business challenges.

Course Outcomes	Programme Outcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
CO1	-	3	3	2	-	-	-	-	-	-	-	-
CO2	-	2	3	2	3	-	-	-	-	-	-	-
CO3	-	-	1	1	3	-	-	-	-	-	-	-
CO4	-	3	2	1	-	-	-	-	-	-	-	-

22UHS224C	PROFESSIONAL WRITING SKILLS IN ENGLISH	CREDIT-01
HRS/WEEK: 1:0:0		**CIEMARKS:50**
TOTALHOURS:15HRS		**SEEMARKS:50**

Course Objectives:

1. To identify the Common Errors in Writing and Speaking of English.
2. To achieve better Technical writing and Presentation skills for employment.
3. To read and write Technical proposals properly and make them able to write good technical reports.
4. To Acquire Employment and Work place communication skills.
5. To learn about Techniques of Information Transfer through presentation indifferent level.

UNIT-I	3Hrs

Identifying Common Errors in Writing and Speaking of English: Common error identification inparts of speech, Use of verbs and Phrasal verbs, Auxiliary verbs and their forms, Subject Verb Agreement. Noun-pronoun agreement, Sequence of Tenses and errors identification in Tenses.
Advanced English Vocabulary and its types–Words often Confused, Misplaced modifiers, Contractions, Collocations, Word Order.

UNIT–II	4Hrs

Nature and Style of sensible writing: Organizing Principles of Paragraphs in Documents, Writing Introduction and Conclusion in a paragraph, Importance of Proper Punctuation, The Art of Condensation (Precise writing) and Techniques in Essay writing, Common Errors due to Indianism in English Communication, Creating Coherence and Cohesion, Sentence arrangements exercises. Importance of Summarizing and Paraphrasing.
Grammar – Voice and Speech (Active and Passive Voices) and Reported Speech, Spotting Error Exercises, Sentence Improvement Exercises.

UNIT-III	4Hrs

Technical Reading and Writing Practices: Introduction ,Effective Technical Reading and Writing, Technical report and proposal writing, Types of report.
Types of Technical Proposals. Scientific Writing & it's Process. Effective techniques for reading and writing of technical proposals.

The Listening Comprehension,Types of Listening, Barriers of listening, Improving Listening Skills.
Attribute of a good and poor listener. Reading Skills and Reading Comprehension, Active and Passive Reading.

UNIT- IV	4Hrs

Professional Communication for Employment: Preparation of Job Application, Components of
Letter Writing, Formats and Types of official, employment, Business Letters, Resume, types of resume, Resume vs Bio Data, Profile & CV. Writing types of resume, Writing effective resume for employment, Model Application letter, Cover Letter with Resume, Emails, Blog Writing, Memos. Presentation skills and Formal Presentations by Students.
Professional Communication at Workplace: Group Discussion – Importance, Characteristics, Strategies of Group Discussions. Employment/ JobInterviews. Non-Verbal Communication Skills.

Reference Books

1. Professional Writing Skills in English, Infinite Learning Solutions -2022.
2. Functional English (As per AICTE 2018 Model Curriculum) Cengage learning India Pvt.Ltd.-2020.
3. A Course in Technical English, Cambridge UniversityPress–2020.
4. Sanjay Kumar and Pushplata, 'Communication Skills', Oxford University Press – 2018.
5. Sanjay Kumar and Pushplata,"CommunicationSkills–I(AWorkbook)" Oxford UniversityPress–2018.
6. Meenakshi Raman and Sangeetha Sharma, 'Technical Communication– Principles and Practice',by, Oxford University Press, 3rdedition2017.

CourseOutcomes

At the end of the course the student should be able to,
CO1: Identify the Common Errors in Writing and Speaking
CO2: Present technical proposals properly and write good technical reports.
CO3: Build Professional and Workplace communication skills.
CO4: Apply Techniques of Information Transfer through presentation in different levels.
CO5: Utilize basic Professional English writing, reading and speaking with fluency.

Course Outcomes	Programme Outcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
CO1	-	-	-	-	-	-	-	-	-	3	-	-
CO2	-	-	-	-	-	-	-	-	-	3	-	-
CO3	-	-	-	-	-	-	-	-	-	3	-	-
CO4	-	-	-	-	-	-	-	-	-	3	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	3